

Becky Bennett

From: Adrienne DeFord
Sent: Wednesday, February 03, 2021 9:24 AM
To: Zekiye Salman;Adenike Shoyinka
Subject: FW: Death data

Just FYI

From: Adrienne DeFord
Sent: Wednesday, February 3, 2021 9:23 AM
To: Jonas Ndeke <JNdeke@ingham.org>
Subject: RE: Death data

Fantastic, thank you!

From: Jonas Ndeke <JNdeke@ingham.org>
Sent: Wednesday, February 3, 2021 9:22 AM
To: Adrienne DeFord <ADeFord@ingham.org>
Subject: RE: Death data

Sure, I can calculate the death rate, as long as we have at least 20 deaths in that group (non-LTCF deaths within the zip code). I will also send you a different graph that shows the two categories within each zip code to help visualize. Just question of time.

Thanks,

Jonas


Ingham County
Health Department
Jonas M. Ndeke
Community Epidemiologist
5303 S. Cedar Street • Lansing, MI 48911
P: (517) 887-4565 • F: 517-887-4310

Pronouns: He/Him/His



From: Adrienne DeFord <ADeFord@ingham.org>
Sent: Wednesday, February 3, 2021 9:15 AM
To: Jonas Ndeke <JNdeke@ingham.org>
Subject: RE: Death data

Thanks – Jonas I also have a follow up question. I know zip codes vary in population also, so it's probably better to look at rate, right? If yes, can you calculate a rate for COVID deaths outside of LTCF by zip code when you have time? If no, let me know your thoughts on this.

Thanks!

From: Jonas Ndeke <JNdeke@ingham.org>
Sent: Wednesday, February 3, 2021 9:06 AM
To: Adrienne DeFord <ADeFord@ingham.org>
Subject: RE: Death data

Good morning Adrienne,

Thank you for your detailed and very helpful feedback.

I agree with your interpretation of the distribution of deaths between LTCF and the community. However, for accuracy purpose, I am sending this graph and the LTCF one to Sumeer and CD investigators to ascertain these numbers. I do this because sometimes, people forget to update some of the items in MDSS, in which case my graph would be underreporting deaths for these LTCF. Otherwise, I will confirm both graphs to you.

Something I am looking at is zip codes with fast increase in cases. However, I never finished it any time I started due to time. And when I resume, I need start over to include updates. My sense is to pay attention to such zip codes because they are candidates to be the next hotspot, if the trend is not contained. I hope I will get that work done.

For the meeting, I understand. Please take your time.

Thank you and I look forward to following up this email.

Best,

Jonas


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From: Adrienne DeFord <ADeFord@ingham.org>
Sent: Tuesday, February 2, 2021 5:53 PM

To: Jonas Ndeke <JNdeke@ingham.org>

Subject: RE: Death data

Yes, thank you! So I pasted the Deaths by Zip Code table from the regular report below – and I want to make sure I have this correct:

In 48823, although there were 53 deaths, 40 of those were people who lived in a long term care facility (13 lived in community).
In the next highest zip code for COVID deaths, 48911, only 7 of the 39 deaths were in long term care facilities (32 lived in community)
And in the 3rd highest, 48910, 13 of the 38 deaths were in long term care facilities (25 in community)

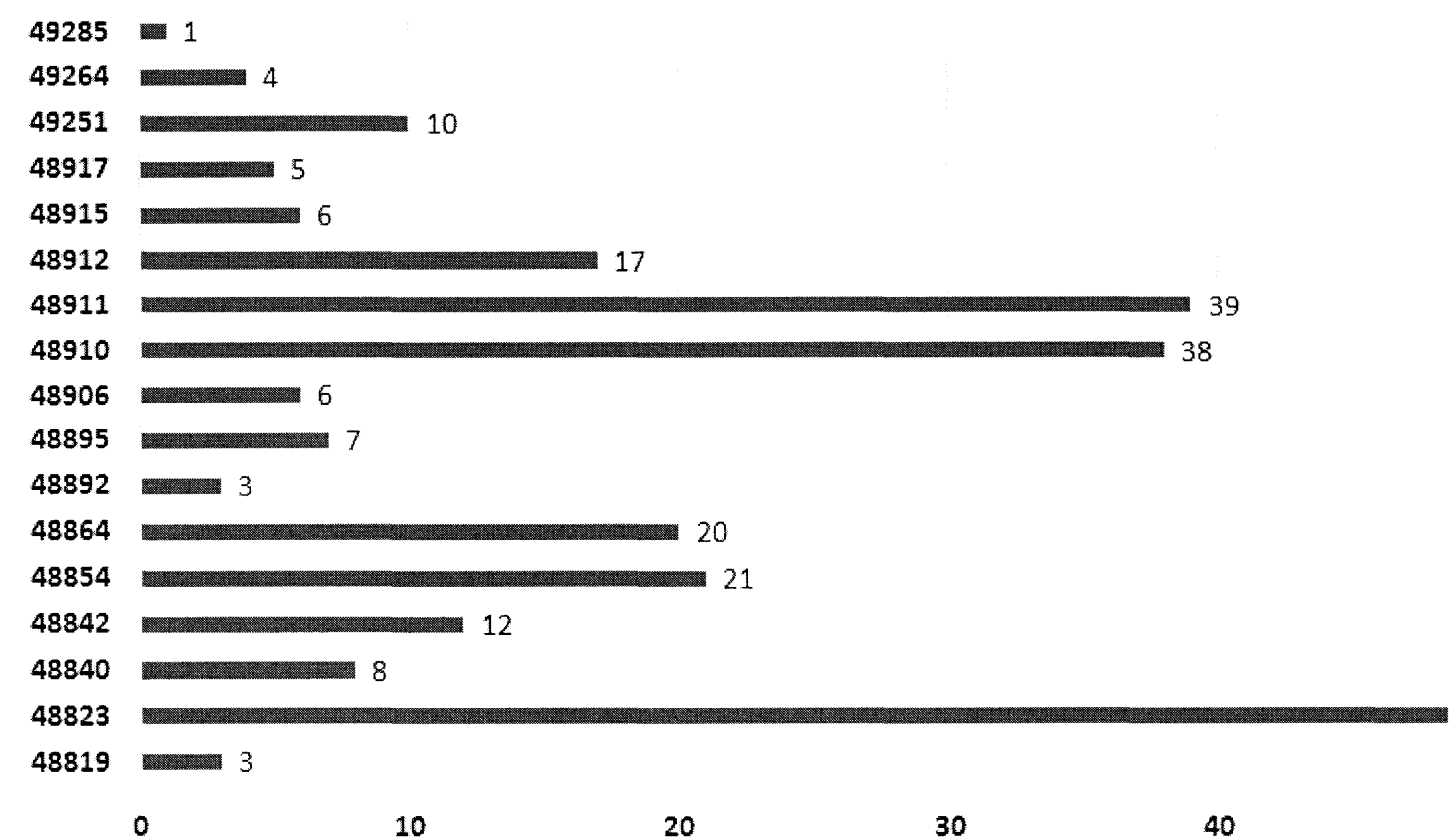
Is that accurate? I know there is variation in population size by zip code also but I’m trying to make sure our vaccination efforts are focused where the community has been hardest hit, and it looks like 48911 has had the most deaths outside of long term care facilities. We’re currently working to set up a community vaccination site at a school/polling place in this zip code so it is really helpful to see that this is supported by the data we have.

Let me know if you have any other thoughts on this or how our MDSS data can help inform our vaccination efforts.

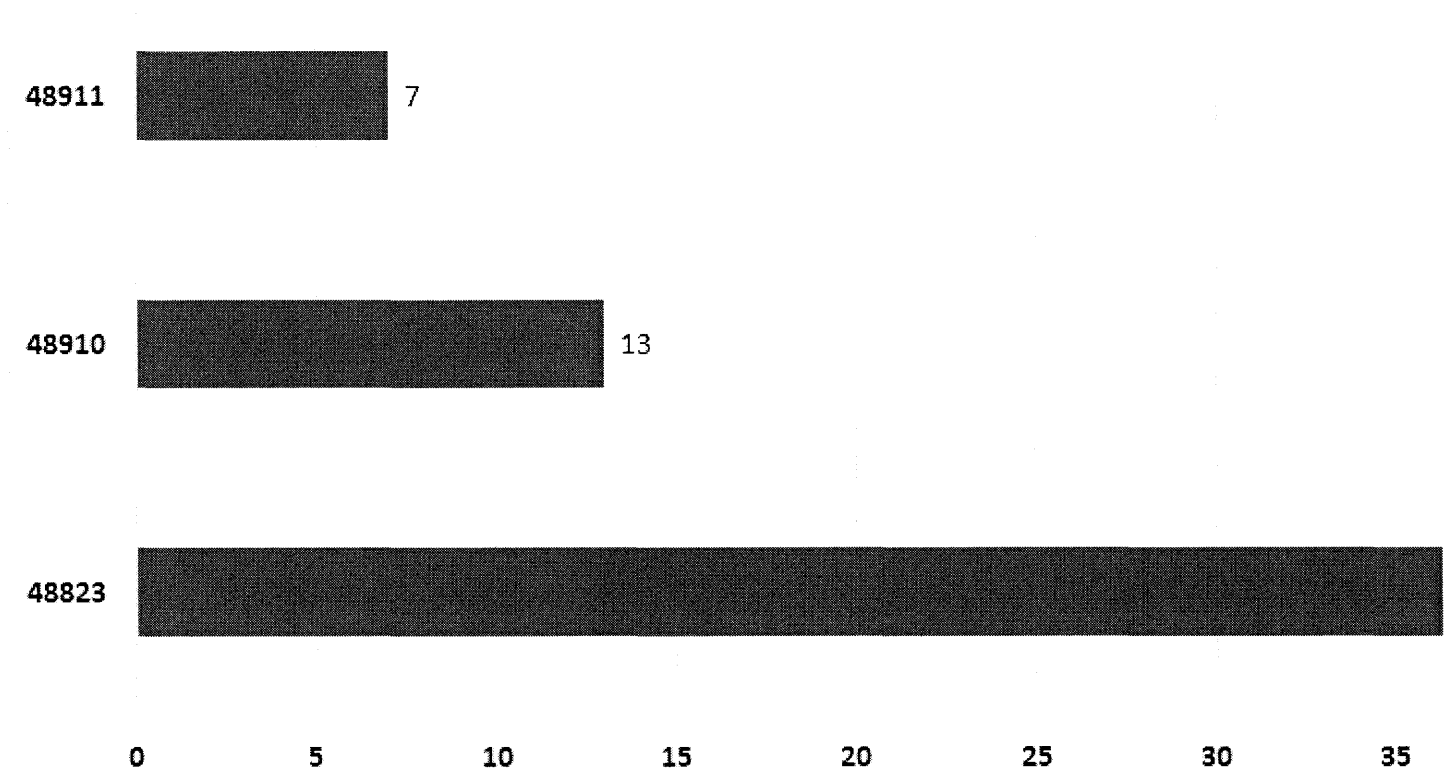
I know I said I would meet with you about vaccination data, and I think we will have something concrete about that soon, I haven’t forgotten, thanks!

Adrienne

Ingham County COVID-19 Deaths by Zip Code



Ingham County COVID-19 LTCF Deaths by Zip (



From: Jonas Ndeke <JNdeke@ingham.org>
Sent: Tuesday, February 2, 2021 4:49 PM
To: Adrienne DeFord <ADeFord@ingham.org>
Subject: RE: Death data

Please take a look and let me know.

Thanks,

Jonas



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Subject: RE: Death data

Thanks,
Adrienne

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Jonas

LTC Facility Name	Death Count
Bellamy Creek Correctional Facility	1
	5



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From: Jonas Ndeke

Sent: Monday, February 1, 2021 8:55 AM

To: Adrienne DeFord <ADeFord@ingham.org>

Subject: RE: Death data

Hi Adrienne,

Thank you for bringing this to my Attention. Yes, I will do it and get back to you today, with updated information.

Best,

Jonas



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From: Adrienne DeFord <ADeFord@ingham.org>

Sent: Sunday, January 31, 2021 2:46 PM

To: Jonas Ndeke <JNdeke@ingham.org>

Subject: Death data

<https://eastlansinginfo.news/seeing-rapid-positivity-increase-msu-orders-students-to-stay-in-their-dorm-rooms/>

Hi Jonas, I was looking at this article and I'm wondering if, when you get a chance, you could look at the deaths in 48823 and tell me how many were people living in a long term care facility. I'm also wondering this for 48911 and 48910, but particularly curious about the 48823 numbers to start, because I suspect many are from [REDACTED] but I would like to know for sure.

Can you take a look and let me know as soon as you have the time?

Thanks,

Adrienne

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Becky Bennett

From: Brittany Moore
Sent: Thursday, February 04, 2021 10:29 AM
To: Adenike Shoyinka;Joel Murr;Zekiye Salman
Subject: FW: Contact Tracing

Please see email below.

Thank you.

Brittany Moore, RN
Clinical Services Manager
Ingham Community Health Centers
Office: (517) 887-4346 • Fax: (517) 244-7172
Cell: (517) 331-5649

From: Wright, Tomeka (MDOC) <WrightT8@michigan.gov>
Sent: Thursday, February 4, 2021 9:35 AM
To: Brittany Moore <BMoore@ingham.org>
Subject: Contact Tracing

Hello Brittany

My name is Tomeka. I work for the state . I read an article about recruiting state employees for contact tracing. Do you have the information on who I can contact to volunteer for this?

Becky Bennett

From: Michigan Health Alert Network <b5034845-0005-3000-80c0-fceb55463ffe@notify.michiganhan.org>
Sent: Thursday, February 04, 2021 1:50 PM
To: Adenike Shoyinka
Subject: Population Adjustments and SVI Adjustment Tables
Attachments: Population Estimates for Allocation .pdf; Social Vulnerability and COVID-19-v4.pdf; Social Vulnerability and COVID-19-v4.png

Nike Shoyinka,

Please review attached population estimates and Social Vulnerability Index (SVI) multiplier tables used to determine and adjust vaccine allocations. Additionally, an infographic to share basic information about the SVI is attached to distribute as necessary.

This information will be posted to the website later today.

--This message was sent to LPH EPC, HO, MD, LHD CD and Imms Roles, MDHHS CHECC staff, mailboxes and Leadership roles.--

You may respond by doing one of the following:

- Click the appropriate response in the following list of response options,
- Or, reply via email with your response option. Please note that you must include the number of your response option, such as **1**, in the body of your email in order for your response to be recorded.

Option# Response:

1. Message Received.

Thank you,
Michigan Health Alert Network

Population Estimates for Allocation Planning

County level population estimates for Phase 1B Group A and B and Phase 1C Group A: 65 years and older, frontline essential workers, school and child care staff, and corrections staff. These are estimates and will change as additional information becomes available.

County	70% ^a of People 65 Years & Older ^b	Frontline Essential Workers ^b	School & Child Care Staff ^b	Current Target Population	Corrections Staff ^c
Michigan	1,199,349	67,604	415,187	1,682,140	9,647
Alcona	2,601	65	304	2,970	
Alger	1,648	52	385	2,085	254
Allegan	13,545	486	3,718	17,749	
Alpena	4,605	175	822	5,602	
Antrim	4,448	108	746	5,302	
Arenac	2,619	79	419	3,117	
Baraga	1,301	56	401	1,758	289
Barry	7,900	420	2,108	10,428	
Bay	14,732	767	4,083	19,582	
Benzie	3,258	99	748	4,105	
Berrien	21,279	1,157	7,067	29,503	
Branch	5,538	277	1,377	7,192	294
Calhoun	16,662	966	4,851	22,479	
Cass	7,585	295	2,182	10,062	
Charlevoix	4,472	118	821	5,411	
Cheboygan	4,873	155	727	5,755	
Chippewa	4,757	209	1,546	6,512	784
Clare	5,105	147	1,592	6,844	
Clinton	9,351	497	3,567	13,415	
Crawford	2,484	83	391	2,958	
Delta	6,042	201	1,487	7,730	
Dickinson	3,943	167	1,185	5,295	
Eaton	14,235	711	5,100	20,046	
Emmet	5,223	149	1,034	6,406	
Genesee	49,685	2,551	14,627	66,863	
Gladwin	4,745	128	678	5,551	
Gogebic	2,749	105	744	3,598	
Grand Traverse	12,884	493	3,713	17,090	
Gratiot	4,974	202	2,187	7,363	762
Hillsdale	6,248	231	1,967	8,446	
Houghton	4,420	233	1,659	6,312	
Huron	5,490	137	987	6,614	
Ingham	27,609	1,702	19,704	49,015	
Ionia	6,655	339	2,336	9,330	1,341
Iosco	5,209	129	683	6,021	
Iron	2,387	75	535	2,997	
Isabella	6,227	334	3,620	10,181	
Jackson	19,677	656	5,341	25,674	1,527
Kalamazoo	27,747	1,603	14,281	43,631	
Kalkaska	2,524	78	543	3,145	

County	70% ^a of People 65 Years & Older ^b	Frontline Essential Workers ^b	School & Child Care Staff ^b	Current Target Population	Corrections Staff ^c
Kent	62,427	3,413	27,536	93,376	
Keweenaw	538	14	98	650	
Lake	2,387	47	414	2,848	
Lapeer	11,149	468	4,183	15,800	317
Leelanau	4,700	123	927	5,750	
Lenawee	13,049	495	4,210	17,754	478
Livingston	22,997	1,509	8,256	32,762	
Luce	918	36	266	1,220	218
Mackinac	2,095	60	446	2,601	
Macomb	103,542	6,761	28,267	138,570	334
Manistee	4,400	140	1,056	5,596	303
Marquette	8,883	427	3,038	12,348	338
Mason	4,789	118	1,030	5,937	
Mecosta	5,549	227	1,565	7,341	
Menominee	3,926	130	964	5,020	
Midland	10,686	595	3,168	14,449	
Missaukee	2,168	68	470	2,706	
Monroe	19,029	1,200	6,105	26,334	
Montcalm	7,853	336	2,316	10,505	454
Montmorency	2,103	58	271	2,432	
Muskegon	20,662	1,103	5,756	27,521	454
Newaygo	6,539	199	1,739	8,477	
Oakland	147,957	6,660	57,823	212,440	
Oceana	3,837	109	954	4,900	
Ogemaw	3,781	108	572	4,461	
Ontonagon	1,481	43	307	1,831	
Osceola	3,465	125	860	4,450	
Oscoda	1,572	51	240	1,863	
Otsego	3,662	143	671	4,476	
Ottawa	30,390	1,901	13,939	46,230	
Presque Isle	2,800	79	372	3,251	
Roscommon	5,405	122	645	6,172	
Saginaw	25,698	1,249	6,950	33,897	310
St. Clair	20,916	179	1,284	22,379	
St. Joseph	7,632	46	340	8,018	
Sanilac	6,163	395	2,915	9,473	
Schoolcraft	1,504	1,471	5,582	8,557	
Shiawassee	8,775	375	1,865	11,015	
Tuscola	7,491	231	1,660	9,382	
Van Buren	9,539	429	3,182	13,150	
Washtenaw	35,946	1,803	31,701	69,450	892
Wayne	189,067	17,974	59,942	266,983	298
Wexford	4,448	149	1,036	5,633	
City of Detroit	72,415	6,884	22,958	102,257	114
Wayne LHD ^d	116,651	11,090	36,983	164,723	184

a 70% aligns with the goal of vaccinating 70% of Michiganders over age 16 by the end of 2021.

b American Communities Survey estimates from CDC Tiberius system.

c Michigan Department of Corrections (MDOC) data on number of staff. Allocations for MDOC are allocated directly.

d Wayne County LHD includes residents of Wayne County, who are not also residents of the City of Detroit.

Allocation Adjustments Based on Vulnerability

The CDC Social Vulnerability Index (SVI) is used to adjust population-based allocation of vaccinations to increase supplies to communities at greater risk for adverse outcomes from COVID-19.

The SVI Multiplier is based on the Social Vulnerability Index (SVI) which identifies places where a community may have more difficulty preventing human suffering and financial loss in a disaster. The SVI assesses the extent that 15 known vulnerabilities (indicators) are present within a community. The SVI multiplier increases every jurisdiction's estimated population, but by differing amounts, meaning that the vaccine allocation increases or decreases for jurisdictions.

When SVI is used to adjust vaccine allocations, the population is multiplied by the SVI Multiplier. The adjusted population distribution is then used to allocate the number of doses to each jurisdiction. Areas with higher SVI values will see an increase in vaccine allocation, areas with lower SVI values will see a decrease.

Formula when not using SVI Multiplier:

Step 1	Jurisdiction Population	÷	Sum of Jurisdiction Populations	=	Jurisdiction Proportion
Step 2	Jurisdiction Proportion	×	State Supply of Doses	=	Doses Allocated to Jurisdiction

Formula when using SVI Multiplier:

Step 1	Jurisdiction Population	×	SVI Multiplier	=	Adjusted Jurisdiction Population
Step 2	Adjusted Jurisdiction Population	÷	Sum of Adjusted Jurisdiction Populations	=	Adjusted Jurisdiction Proportion
Step 3	Adjusted Jurisdiction Proportion	×	State Supply of Doses	=	Doses Allocated to Jurisdiction

Comparison of two local health jurisdictions:

Without applying the SVI Multiplier, Michigan's eligible population in this phase is estimated at 1,682,138.

- Detroit's eligible population is estimated at 102,257 or 6.08% of the state's total population. If the state got 10,000 doses of vaccine, Detroit's allocation would be 608 doses.
- Shiawassee's eligible population is estimated at 11,015, which is 0.65% of state's total eligible population. If the state got 10,000 doses, Shiawassee's share would be 65 doses.

Detroit's SVI Multiplier is 2. That doubles Detroit's eligible population estimate to 204,412.

Shiawassee's SVI Multiplier is 1.20 which increases their eligible population by 20% to 13,217.

The sum of all SVI adjusted jurisdiction's populations is 3,197,939.

- Detroit's SVI adjusted proportion is 6.4% of the state's SVI adjusted population. If the state got 10,000 doses, Detroit's SVI adjusted share would be 639 doses, instead of 608 doses without the SVI adjustment.
- Shiawassee's SVI adjusted proportion is 0.41% of the state's SVI adjusted population. Shiawassee would get 41 doses of state vaccine, instead of 65 without the SVI adjustment.

Local Health Department	>64 Years & Frontline Workers	SVI Multiplier
Allegan	17,749	1.29
Bay	19,581.5	1.60
Barry-Eaton	30,473.7	1.33
Berrien	29,502.6	1.64
Branch-Hillsdale-St. Joseph	23,655.3	1.84
Benzie-Leelanau	9,854.6	1.11
Calhoun	22,479.1	1.91
Chippewa	6,512.2	1.82
Central Michigan	36,315	1.93
Detroit	102,257.23	2.00
District Health Department #10	49,539.7	1.89
District Health Department #2	15,314.8	1.87
District Health Department #4	17,039.8	1.58
Dickinson-Iron	8,292.1	1.42
Delta-Menominee	12,750	1.49
Genesee	66,863.3	1.73
Grand Traverse	17,090.2	1.13
Huron	6,614.1	1.53
Ingham	49,015.4	1.56
Ionia	9,329.9	1.71
Jackson	2,5674	1.67
Kalamazoo	43,630.6	1.44
Kent	93,375.7	1.51
Lapeer	15,799.9	1.31
Lenawee	17,754.4	1.47
Livingston	32,762.1	1.02
Luce, Mackinac, Alger and Schoolcraft	14,462.9	1.98
Macomb	138,569.9	1.40
Marquette	1,2348	1.22
Midland	14,448.5	1.16
Mid Michigan	31,283.1	1.38
Monroe	26,333.8	1.18
Muskegon	27,520.9	1.76
Northwest Michigan	21,594.5	1.24
Oakland	212,439.9	1.04
Ottawa	46,229.8	1.09
Saginaw	33,897.4	1.78
Sanilac	9,472.8	1.80
Shiawassee	11,014.5	1.20
St. Clair	2,2379	1.27
Tuscola	9,382.4	1.69
Van Buren-Cass	23,211.4	1.96
Washtenaw	69,450.4	1.07
Wayne	164,723.29	1.42
Western Upper Peninsula	14,148.8	1.62
Michigan	168,2137.53	

SOCIAL VULNERABILITY & COVID-19

The Social Vulnerability Index (SVI) is a tool that uses census data to identify and map places where a community may have more difficulty preventing human suffering and financial loss in a disaster. This is important in responding to incidents in an equitable way.

Not all populations are equally at-risk for acquiring COVID-19 or suffering adverse outcomes from it. During the spring surge, places in Michigan that were most impacted by COVID-19, also had the highest value on the SVI. This demonstrates the need to prioritize support to the most vulnerable communities for COVID-19 testing and vaccination.



Socioeconomic Status

- Below poverty
- Unemployed
- Income
- No high school diploma



Family Composition & Disability

- Aged 65 years or older
- Aged 17 years or younger
- Older than age 5 with a disability
- Single parent household



Minority Status & Language Minority

- Minority
- Speak English "less than well"



Housing Type & Transportation

- Multi-unit structures
- Mobile homes
- Crowding
- No vehicle
- Group quarters

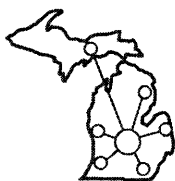


How is social vulnerability determined?

The SVI assesses the extent that 15 known vulnerabilities (indicators) are present within a community and categorizes them into four themes: socioeconomic status, household composition and disability, minority status and language minority and housing type and transportation.

How is the SVI used?

The SVI indicators help to prioritize distribution of scarce resources such as COVID-19 testing sites and vaccinations to ensure effectiveness and equity for all Michiganders.



Indicators like poverty and transportation can highlight places where people may have difficulty accessing COVID-19 testing, treatment and vaccination. While supplies are low, outreach efforts must be concentrated in areas with higher social vulnerabilities, where people may face more difficulty accessing vaccine.

Vaccine administrators should use the SVI to develop targeted outreach strategies while planning vaccine clinics to ensure protection of people who are the most vulnerable.

SOCIAL VULNERABILITY & COVID-19

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Mason	4,789	118	1,030	5,937	
Mecosta	5,549	227	1,565	7,341	
Menominee	3,926	130	964	5,020	
Midland	10,686	595	3,168	14,449	
Missaukee	2,168	68	470	2,706	
Monroe	19,029	1,200	6,105	26,334	
Montcalm	7,853	336	2,316	10,505	454
Montmorency	2,103	58	271	2,432	
Muskegon	20,662	1,103	5,756	27,521	454
Newaygo	6,539	199	1,739	8,477	
Oakland	147,957	6,660	57,823	212,440	
Oceana	3,837	109	954	4,900	
Ogemaw	3,781	108	572	4,461	
Ontonagon	1,481	43	307	1,831	
Osceola	3,465	125	860	4,450	
Oscoda	1,572	51	240	1,863	
Otsego	3,662	143	671	4,476	
Ottawa	30,390	1,901	13,939	46,230	
Presque Isle	2,800	79	372	3,251	
Roscommon	5,405	122	645	6,172	
Saginaw	25,698	1,249	6,950	33,897	310
St. Clair	20,916	1,471	5,582	27,969	
St. Joseph	7,632	375	1,865	9,872	
Sanilac	6,163	179	1,284	7,626	
Schoolcraft	1,504	46	340	1,890	
Shiawassee	8,775	395	2,915	12,084	
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The CDC Social Vulnerability Index (SVI) is used to adjust population-based allocation of vaccinations to increase supplies to communities at greater risk for adverse outcomes from COVID-19.

The SVI Multiplier is based on the Social Vulnerability Index (SVI) which identifies places where a community may have more difficulty preventing human suffering and financial loss in a disaster. The SVI assesses the extent that 15 known vulnerabilities (indicators) are present within a community. The SVI multiplier increases every jurisdiction's estimated population, but by differing amounts, meaning that the vaccine allocation increases or decreases for jurisdictions.

When SVI is used to adjust vaccine allocations, the population is multiplied by the SVI Multiplier (calculated by the 2018 SVI data set RPL_THEMES and average census tracts for the jurisdiction). The adjusted population distribution is then used to allocate the number of doses to each jurisdiction. Areas with higher SVI values will see an increase in vaccine allocation, areas with lower SVI values will see a decrease.

Formula when not using SVI Multiplier:

Step 1	Jurisdiction Population	÷	Sum of Jurisdiction Populations	=	Jurisdiction Proportion
Step 2	Jurisdiction Proportion	×	State Supply of Doses	=	Doses Allocated to Jurisdiction

Formula when using SVI Multiplier:

Step 1	Jurisdiction Population	×	SVI Multiplier	=	Adjusted Jurisdiction Population
Step 2	Adjusted Jurisdiction Population	÷	Sum of Adjusted Jurisdiction Populations	=	Adjusted Jurisdiction Proportion
Step 3	Adjusted Jurisdiction Proportion	×	State Supply of Doses	=	Doses Allocated to Jurisdiction

Comparison of two local health jurisdictions:

Without applying the SVI Multiplier, Michigan's eligible population in this phase is estimated at 1,682,138.

- Detroit's eligible population is estimated at 102,257 or 6.08% of the state's total population. If the state got 10,000 doses of vaccine, Detroit's allocation would be 608 doses.
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Detroit's SVI Multiplier is 2. That doubles Detroit's eligible population estimate to 204,412.

Shiawassee's SVI Multiplier is 1.20 which increases their eligible population by 20% to 13,217.

The sum of all SVI adjusted jurisdiction's populations is 3,197,939.

- Detroit's SVI adjusted proportion is 6.4% of the state's SVI adjusted population. If the state got 10,000 doses, Detroit's SVI adjusted share would be 639 doses, instead of 608 doses without the SVI adjustment.
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Local Health Department	>64 years & Frontline Workers	SVI Multiplier
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Central Michigan	36,315	1.93
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District Health Department #2	15,315	1.87
District Health Department #4	17,040	1.58
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Delta-Menominee	12,750	1.49
Genesee	66,863	1.73
Grand Traverse	17,090	1.13
Huron	6,614	1.53
Ingham	49,015	1.56
Ionia	9,330	1.71
Jackson	25,674	1.67
Kalamazoo	43,631	1.44
Kent	93,376	1.51
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Michigan	1,682,138	

SOCIAL VULNERABILITY & COVID-19

The Social Vulnerability Index (SVI) is a tool that uses census data to identify and map places where a community may have more difficulty preventing human suffering and financial loss in a disaster. This is important in responding to incidents in an equitable way.

Not all populations are equally at-risk for acquiring COVID-19 or suffering adverse outcomes from it. During the spring surge, places in Michigan that were most impacted by COVID-19, also had the highest value on the SVI. This demonstrates the need to prioritize support to the most vulnerable communities for COVID-19 testing and vaccination.



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- Below poverty
- Unemployed
- Income
- No high school diploma



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- Aged 65 years or older
- Aged 17 years or younger
- Older than age 5 with a disability
- Single parent household



Minority Status & Language Minority

- Minority
- Speak English "less than well"



Housing Type & Transportation

- Multi-unit structures
- Mobile homes
- Crowding
- No vehicle
- Group quarters



How is social vulnerability determined?

The SVI assesses the extent that 15 known vulnerabilities (indicators) are present within a community and categorizes them into four themes: socioeconomic status, household composition and disability, minority status and language minority and housing type and transportation.

How is the SVI used?

The SVI indicators help to prioritize distribution of scarce resources such as COVID-19 testing sites and vaccinations to ensure effectiveness and equity for all Michiganders.



Indicators like poverty and transportation can highlight places where people may have difficulty accessing COVID-19 testing, treatment and vaccination. While supplies are low, outreach efforts must be concentrated in areas with higher social vulnerabilities, where people may face more difficulty accessing vaccine.

Vaccine administrators should use the SVI to develop targeted outreach strategies while planning vaccine clinics to ensure protection of people who are the most vulnerable.

SVI Multiplier Calculation Guide

Here is a step-by-step guide of how to calculate the Social Vulnerability Index (SVI) multiplier for each Local Health Department (LHD). Please note, the multiplier is based on the LHD's percentile, so calculations must be made for every single LHD.

STEP 1: OBTAIN THE DATA

- 1) CDC SVI dataset for Michigan
 - a. Go to CDC's Social Vulnerability Index page:
<https://www.atsdr.cdc.gov/placeandhealth/svi/index.html>
 - i. Data & Documentation Download
 - ii. Select Year: 2018, Geography: Michigan, Geography Type: Census Tract, File Type: CSV File
 - iii. Click Go to download the file. The file will be called "Michigan.csv"
- 2) Census tracts by cities
 - a. Go to Data Driven Detroit: <https://portal.datadrivendetroit.org/>
 - i. Under explore data search census
 - ii. Click on "Census Tracts, Census 2010, Michigan" (it should be the first link). These data are only released with the Decennial Census TIGER data.
 - iii. Click the Data tab
 - iv. Click Download, the file will be called "Census_Tracts,_Census_2010,_Michigan.csv"
 - v. From this file you will need the variables City and GEOID10, the others may be removed

STEP 2: COMBINE DATA AND INDICATE LHD JURISDICTION FOR EACH CENSUS TRACT

- 1) Indicate which Wayne Co. census tracts are within the City of Detroit. Match the variable FIPS from "Michigan.csv" with the variable GEOID10 from "Census_Tracts,_Census_2010,_Michigan.csv". This step must be done because the city of Detroit and the rest of Wayne County fall under two, independent LHD jurisdictions.
- 2) Assign LHD's to each census tract in the combined dataset. Attached is a list of LHD's and the counties within their jurisdictions. Variables used to identify LHD are City (when city = Detroit) and County.

STEP 3: AVERAGE SVI INDICATOR BY LHD AND CALCULATE THE SVI MULTIPLIER

See the CDC documentation and FAQs for additional explanation of the following steps:

<https://www.atsdr.cdc.gov/placeandhealth/svi/index.html>

- 1) The SVI indicator at the tract level is RPL_THEMES
- 2) Delete tracts where RPL_THEMES = -999 (see documentation for more detail)
- 3) Average the RPL_THEMES for each LHD
- 4) Rank all 45 health departments by average RPL_THEMES with 1 being the lowest average RPL_THEMES (Livingston) and 45 being the highest (Detroit)
- 5) Calculate the percentile of each LHD (rank/45)
- 6) Add 1, and that is the SVI multiplier

Becky Bennett

From: Adenike Shoyinka
Sent: Monday, February 08, 2021 2:41 PM
To: Joel Murr;Christine Hendrickson;Zekiye Salman;Adrienne DeFord;Jessica Yorko
Subject: FW: SVI Multiplier Calculation Guide and Information
Attachments: Pop Estimates for Alloc Plan 2-5-21.pdf; Social Vulnerability and COVID-19-v4.png; SVI Multiplier Calculation Guide.pdf

Not sure if you all got this. I'm Christine would have received it.

From: Michigan Health Alert Network <b523d07a-0005-3000-80c0-fceb55463ffe@notify.michiganhan.org>
Sent: Monday, February 8, 2021 1:59 PM
To: Adenike Shoyinka <AShoyinka@ingham.org>
Subject: SVI Multiplier Calculation Guide and Information

Nike Shoyinka,

The new SVI multiplier step-by-step instructions are provided in the attached SVI Multiplier Calculation Guide. Please note, the multiplier is based on the LHD's percentile, so calculations must be made for every single LHD. This guide has **only** been provided to the LHDs.

The latest version of Population Estimates for Allocation Planning (posted the evening of 2/5) is attached for your convenience. The most recent version is always available on the Michigan.gov/COVIDVaccine webpage and through this link:
https://www.michigan.gov/documents/coronavirus/Population_Estimates_for_Allocation_Planning_020521_715523_7.pdf

Please continue to share messaging about the role of the SVI in allocation planning. The generic SVI and COVID-19 flyer (v4) is also attached for your convenience.

--This message was sent to LPH EPC, HO, MD, LHD CD and Imms Roles, MDHHS CHECC staff, mailboxes and Leadership roles.--

You may respond by doing one of the following:

- Click the appropriate response in the following list of response options,
- Or, reply via email with your response option. Please note that you must include the number of your response option, such as **1**, in the body of your email in order for your response to be recorded.

Option# Response:

1. Message Received.

Thank you,
Michigan Health Alert Network

Population Estimates for Allocation Planning

County level population estimates for Phase 1B Group A and B and Phase 1C Group A: 65 years and older, frontline essential workers, school and child care staff, and corrections staff. These are estimates and will change as additional information becomes available.

County	70% ^a of People 65 Years & Older ^b	Frontline Essential Workers ^b	School & Child Care Staff ^b	Current Target Population	Corrections Staff ^c
Michigan	1,199,349	67,604	415,187	1,682,140	9,647
Alcona	2,601	65	304	2,970	
Alger	1,648	52	385	2,085	254
Allegan	13,545	486	3,718	17,749	
Alpena	4,605	175	822	5,602	
Antrim	4,448	108	746	5,302	
Arenac	2,619	79	419	3,117	
Baraga	1,301	56	401	1,758	289
Barry	7,900	420	2,108	10,428	
Bay	14,732	767	4,083	19,582	
Benzie	3,258	99	748	4,105	
Berrien	21,279	1,157	7,067	29,503	
Branch	5,538	277	1,377	7,192	294
Calhoun	16,662	966	4,851	22,479	
Cass	7,585	295	2,182	10,062	
Charlevoix	4,472	118	821	5,411	
Cheboygan	4,873	155	727	5,755	
Chippewa	4,757	209	1,546	6,512	784
Clare	5,105	147	1,592	6,844	
Clinton	9,351	497	3,567	13,415	
Crawford	2,484	83	391	2,958	
Delta	6,042	201	1,487	7,730	
Dickinson	3,943	167	1,185	5,295	
Eaton	14,235	711	5,100	20,046	
Emmet	5,223	149	1,034	6,406	
Genesee	49,685	2,551	14,627	66,863	
Gladwin	4,745	128	678	5,551	
Gogebic	2,749	105	744	3,598	
Grand Traverse	12,884	493	3,713	17,090	
Gratiot	4,974	202	2,187	7,363	762
Hillsdale	6,248	231	1,967	8,446	
Houghton	4,420	233	1,659	6,312	
Huron	5,490	137	987	6,614	
Ingham	27,609	1,702	19,704	49,015	
Ionia	6,655	339	2,336	9,330	1,341
Iosco	5,209	129	683	6,021	
Iron	2,387	75	535	2,997	
Isabella	6,227	334	3,620	10,181	
Jackson	19,677	656	5,341	25,674	1,527
Kalamazoo	27,747	1,603	14,281	43,631	
Kalkaska	2,524	78	543	3,145	
Kent	62,427	3,413	27,536	93,376	

County	70%^a of People 65 Years & Older^b	Frontline Essential Workers^b	School & Child Care Staff^b	Current Target Population	Corrections Staff^c
Keweenaw	538	14	98	650	
Lake	2,387	47	414	2,848	
Lapeer	11,149	468	4,183	15,800	317
Leelanau	4,700	123	927	5,750	
Lenawee	13,049	495	4,210	17,754	478
Livingston	22,997	1,509	8,256	32,762	
Luce	918	36	266	1,220	218
Mackinac	2,095	60	446	2,601	
Macomb	103,542	6,761	28,267	138,570	334
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- 1) Indicate which Wayne Co. census tracts are within the City of Detroit. Match the variable FIPS from "Michigan.csv" with the variable GEOID10 from "Census_Tracts,_Census_2010,_Michigan.csv". This step must be done because the city of Detroit and the rest of Wayne County fall under two, independent LHD jurisdictions.
- 2) Assign LHD's to each census tract in the combined dataset. Attached is a list of LHD's and the counties within their jurisdictions. Variables used to identify LHD are City (when city = Detroit) and County.

STEP 3: AVERAGE SVI INDICATOR BY LHD AND CALCULATE THE SVI MULTIPLIER

See the CDC documentation and FAQs for additional explanation of the following steps:
<https://www.atsdr.cdc.gov/placeandhealth/svi/index.html>

- 1) The SVI indicator at the tract level is RPL_THEMES
- 2) Delete tracts where RPL_THEMES = -999 (see documentation for more detail)
- 3) Average the RPL_THEMES for each LHD
- 4) Rank all 45 health departments by average RPL_THEMES with 1 being the lowest average RPL_THEMES (Livingston) and 45 being the highest (Detroit)
- 5) Calculate the percentile of each LHD (rank/45)
- 6) Add 1, and that is the SVI multiplier

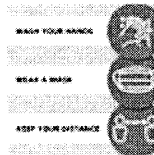
Becky Bennett

From: Linda Vail
Sent: Monday, February 08, 2021 4:32 PM
To: Adenike Shoyinka
Subject: FW: 2nd dose needs
Attachments: orders_by_week_-_pfizer_715297_7 (1).xlsx; Pfizer Orders Allocation-Shipment Week 1-3-21.xlsx; Pfizer Doses Ordered for Alloc Week 1-10-21.xlsx; Pfizer- Allocation Week 1-17-21.xlsx; Moderna Orders - Allocation Week 1-17-21.xlsx; Pfizer Orders for Allocation-Shipment Week 1-24-21 .xlsx; Pfizer Orders for Allocation-Shipment Week 1-31-21 (1).xlsx; Moderna Orders for Allocation - Shipment Week 1-31-21.xlsx; Pfizer Orders 2-5-21.xlsx; Moderna Orders 2-5-21.xlsx

Linda S. Vail, MPA
Health Officer

5303 S. Cedar Street • Lansing, MI 48909
P: 517-887-4311

Pronouns: She/Her/Hers



From: Linda Vail
Sent: Monday, February 8, 2021 9:26 AM
To: checcimms@michigan.gov
Cc: Fiedler, Jay (DHHS) <FiedlerJ@michigan.gov>; Swanson, Robert (DHHS) <swansonr@michigan.gov>; LyonCallo, Sarah (DHHS) <lyoncallos@michigan.gov>
Subject: RE: 2nd dose needs

After carefully looking at the spreadsheets online, I cannot confirm that we do not have a shortfall. The total column in the vaccine dashboard do not match the first and second doses. Ingham County numbers on the 1/3 tab are dated 12/27. If we have a shortfall, it would be related to allocations, not ICHD using 2nd doses are 1st doses. I can assure you we have NEVER done that.

I have attached the Pfizer orders by week spreadsheet with a tab added that aligns with the emails we received 12/18 (your 12/15 date) and 12/28 (see below) and the subsequent spreadsheets (I have included Moderna orders in my summary tab so that they are all in one place). We have spreadsheets for 1/3; 1/10; 1/17; 1/24; 1/31; and 2/5. All spreadsheets have Ingham County allocation highlighted in green so you can find them easily. The numbers in the orders by week Pfizer come directly from the emails (below) and the attached spreadsheets).

Please look at the Ingham Orders Checked by Ingham tab in the orders by week spreadsheet I downloaded from the dashboard. That tab has the numbers from the two emails below, as well as the weekly spreadsheets beginning 1/3 through 2/5 (both Pfizer and Moderna).

I placed the MDOC order that came out of sequence with normal allocation dates on a separate line so as not to confuse things further.

If someone would like to get on a zoom meeting with me today to help sort this out, I am available most of the day after the MALPH Board meeting.

From: Waterman, Autumn (DHHS) <WatermanA@michigan.gov>

Sent: Friday, December 18, 2020 5:47 PM

To: Wendy Ridenour <WRidenour@ingham.org>

Subject: Pfizer COVID-19 Vaccine

Hello,

MDHHS has submitted a Pfizer COVID-19 vaccine order request for Ingham County Health Department, **anticipated to be delivered either Monday December 21st or Tuesday December 22nd**. Your facility will be receiving 975 Pfizer doses. Vaccine will be shipped directly from Pfizer and delivery facilitated by UPS. Ancillary supplies including diluent should arrive before, or on the same date, as your vaccine delivery. Please note that because Pfizer doses are being sent to locations with ultracold freezers, dry ice (for thermal shipper storage) will not be shipped to your site.

Linda S. Vail, MPA
Health Officer

5303 S. Cedar Street • Lansing, MI 48909
P: 517-887-4311

Pronouns: She/Her/Hers



From: Linda Vail

Sent: Sunday, February 7, 2021 1:26 PM

To: checcimms@michigan.gov

Subject: 2nd dose needs

To my knowledge we do not have a shortfall in 2nd doses this week. That said, when allocations are determined for next week, we should be receiving 1700 2nd doses of Moderna and 2925 second doses of Pfizer. That would be ship date 2/14 allocations. If second dose allocations are not matching these numbers, then we will have a shortfall. We do not have a shortfall to date.

I must also add, allocations in Ingham County did not occur 60:40 for the shipment going out today, however.

ICHD

1950 Pfizer and 500 Moderna first doses; **Total first dose to LHD 2,450**

Sparrow main and McLaren Greater Lansing

1950 Pfizer (975 each) and 700 Moderna (300 to one health system and 400 to the other). **Total first dose health systems 2,650**

Hospitals actually received slightly more than 50% first doses compared to ICHD though fairly negligible so 50:50 is about what happened.

Partners working closely with us are starting to question the stated split which is part of strategy published in news outlets this week vs. what is really happening here.

Site Name	Pfizer TOTAL Doses Ordered	Pfizer FIRST Doses Ordered	Pfizer SECOND Doses Ordered	Moderna Total Doses Ordered	Moderna First Doses Ordered	Moderna SECOND Doses Ordered
Ingham County Health Department	975	975	0	0	0	0
Ingham County Health Department	975	975	0	0	0	0
Ingham County Health Department	2925	1950	975	0	0	0
Ingham County Health Department	2925	1950	975	0	0	0
Ingham County Health Department	975	0	975	1700	1700	0
Ingham County Health Department	3900	2925	975	0	0	0
Ingham County Health Department	4875	2925	1950	1000	1000	0
Ingham County Health Department	2925	1950	975	500	500	0
Ingham County Health Department						
Ingham County Health Department						
Ingham County Health Department						
Ingham County Health Department						
	20475	13650	6825	3200	3200	0

Ingham County Health Department	0	0	0	200	200	0
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All TOTAL Doses Ordered	All First Doses Ordered	All SECOND Doses Ordered	Date
975	975	0	12.15.20
975	975	0	12.27.20
2925	1950	975	1.3.21
2925	1950	975	1.10.21
2675	1700	975	1.17.21
3900	2925	975	1.24.21
5875	3925	1950	1.31.21
3425	2450	975	2.5.21

23675

16850

6825

email

email

spreadsheet attached

spreadsheet attached

spreadsheet attached

spreadsheet attached

spreadsheet attached

spreadsheet attached

200	200	0	2.2.21
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MDOC order

LHDs will be slated for Moderna vaccine to support additional first-dose vaccination efforts

Name of Health Department	VFC PIN	Region	Address	City
Calhoun County Public Health Department	130000	5	190 E Michigan Ave	Battle Cree
Grand Traverse County Health Department	280000	7	2600 Lafranier Road, Sui Traverse Ci	
Ingham County Health Department	330000	1	5303 S Cedar Street	Lansing
Kent County Health Department - Fuller	410000	6	700 Fuller NE	Grand Rapi
Macomb County Health Department	500000	2N	43525 Elizabeth Road	Mt. Clemer
Washtenaw County Health Department	810000	2S	555 Towner St.	Ypsilanti
Wayne County	820000	2S	33030 Van Born Rd	Wayne

County	Zip	Email 1	Email 2	Pfizer TOTAL	Pfizer FIRST
				Doses Ordered	Doses Ordered
Calhoun	49014	vholdcraft@calhounc	kgreen@calhouncountymi.gov	975	0
Grand Trav	46986	scorner@gtcountymi	mlehey@gtcountymi.gov	975	0
Ingham	48911	wridenour@ingham.	khebert@ingham.org	975	0
Kent	49503	mary.wisinski@kentc	michele.anderson@kentcounty	975	0
Macomb	48043	cheryl.woods@maco	faith.knoll@macombgov.org	975	0
Washtenaw	48198	longhanyr@washten	avedisianr@washtenaw.org	975	0
Wayne	48184	kfradene@waynecol	fporter@waynecounty.com	975	0

Pfizer SECOND Doses Ordered	1/18/21 MLK Delivery?
975	No
975	Yes
975	Yes
975	Yes
975	No
975	Yes
975	No

6825

Name of Health Department	Region	Address
Allegan County Health Department	5	3255 -- 122nd, Ste 200
Bay County Health Department	3	1200 Washington Avenue
Berrien County Health Department - Benton Harbor (MAI	5	2149 E NAPIER AVE
Branch-Hillsdale-St. Joseph Community Health Agency: TI	5	1110 Hill St
Calhoun County Public Health Department	5	190 E Michigan Ave
Central Michigan District Health Department - Isabella	6	2012 E Preston St.
Detroit Health Department	2S	100 Mack Ave
District Health Department #10 - MECOSTA	6	14485 Northland Dr
Grand Traverse County Health Department	7	2600 Lafranier Road, Suite A
Health Department of Northwest Michigan - OTSEGO	7	95 Livingston Blvd
Huron County Health Department	3	1142 S Van Dyke
Ingham County Health Department	1	5303 S Cedar Street
Jackson County	1	1715 Lansing Ave
Kalamazoo County Health and Community Services	5	311 East Alcott
Kent County Health Department - Fuller	6	700 Fuller NE
Lenawee County Health Dept	1	1040 South Winter Street
Macomb County Health Department	2N	43525 Elizabeth Road
Marquette County Health Department	8	184 US 41 East
Midland County Department of Public Health	3	220 W ELLSWORTH ST
Monroe County Health Department	2S	2353 S. Custer Rd.
Oakland County Health Division - North	2N	1200 North Telegraph Building 34E
Oakland County Health Division - South	2N	27725 Greenfield Rd
Ottawa County Department of Public Health	6	12251 James Street Suite 500
Public Health, Delta & Menominee - Delta	8	2920 College Ave
Saginaw County Health Department	3	1600 N. Michigan Ave.
Sanilac County Health Department	3	171 Dawson St
St. Clair County Health Department	2N	3415 28th Street
Tuscola county health department	3	1309 Cleaver Rd.
Washtenaw County Health Department	2S	555 Towner St.
Wayne County	2S	33030 Van Born Rd

City	County	Zip	VFC PIN	Email 1
Allegan	Allegan	49010	30000	lletts@allegancounty.org
Bay City	Bay	48708	90000	condonl@baycounty.net
Benton Harbor	Berrien	49022	110000	dpayne@bchdmi.org
Three Rivers	St. Joseph	49093	752000	fowlerd@bhsj.org
Battle Creek	Calhoun	49014	130000	vholdcraft@calhouncountymi.gov
Mt. Pleasant	Isabella	48858	370000	lmiiller@cmdhd.org
Detroit	Detroit	48201	840000	dalald@detroitmi.gov
Big Rapids	Mecosta	49307	540000	vmarshall@dhd10.org
Traverse City	Grand Traverse	46986	280000	scorner@gtcountymi.gov
Gaylord	Otsego	49735	690000	a.louiselle@nwhealth.org
Bad Axe	Huron	48413	320000	rochefort@hchd.us
Lansing	Ingham	48911	330000	wridenour@ingham.org
Jackson	Jackson	49202	380000	sbaker@mijackson.org
Kalamazoo	Kalamazoo	49001	390000	jafins@kalcounty.com
Grand Rapids	Kent	49503	410000	mary.wisinski@kentcountymi.gov
Adrian	Lenawee	49221	460000	marianne.reko@lenawee.mi.us
Mt. Clemens	Macomb	48043	500000	cheryl.woods@macombgov.org
Negaunee	Marquette	49866	520000	bmileski@mqtco.org
Midland	Midland	48640	560000	nswanton@co.midland.mi.us
Monroe	Monroe	48161	580000	robin_opfermann@monroemi.org
Pontiac	Oakland	48341	630000	highfieldi@oakgov.com
Southfield	Oakland	48076	631000	crotties@oakgov.com
Holland	Ottawa	49424	700000	tbulthuis@miottawa.org
Escanaba	Delta	49829	210000	jmiller@phdm.org
Saginaw	Saginaw	48602	730000	kparham@saginawcounty.com
Sandusky	Sanilac	48471	760000	covidvaccine@sanilachealth.com
Port Huron	St. Clair	48060	740000	btodaro@stclaircounty.org
Caro	Tuscola	48723	790000	bzagata@tchd.us
Ypsilanti	Washtenaw	48198	810000	longhanyr@washtenaw.org
Wayne	Wayne	48184	820000	kfradene@waynecounty.com

Email 2	1/31Pfizer		Total
	1/31 Pfizer FIRST Doses ORDERED	SECOND Doses ORDERED	
lvandezande@allegancounty.org		975	975
carmonaa@baycounty.net	975	1950	2925
kkortebe@bchdmi.org		975	975
mullendorea@bhsj.org		975	975
kgreen@calhouncountymi.gov	1950	975	2925
egee@cmdhd.org		975	975
clemonsmartez@detroitmi.gov		3900	3900
bdean@dhd10.org	975	975	1950
mlahey@gtcountymi.gov	975	5850	6825
v.mushlock@nwhealth.org	975	975	1950
mkoroleski@hchd.us		1950	1950
khebert@ingham.org	2925		2925
mbudd@mijackson.org		975	975
tdhaun@kalcounty.com	1950	975	2925
michele.anderson@kentcountymi.g	4875	1950	6825
theresa.enriquez@lenawee.mi.us		975	975
faith.knoll@macombgov.org	4875	3900	8775
kmell@mqtc.org		975	975
mmacinnnes@co.midland.mi.us		975	975
melissa_trouten@monroemi.org		975	975
krebaumd@oakgov.com	2925	975	3900
mccarthyma@oakgov.com	2925	975	3900
rschurman@miottawa.org	1950	975	2925
lmaulding@phdm.org		975	975
tsimon@saginawcounty.com	1950	975	2925
covidvaccine@sanilachealth.com		975	975
cvanconant@stclaircounty.org		975	975
jdickinson@tchd.us		975	975
avedisianr@washtenaw.org	1950	975	2925
fporter@waynecounty.com	4875	2925	7800

*2nd dose issue fixed/

1950 arrived later in week

Name of Health Department	VFC PIN	Region	Address
Bay County Health Department	90000	3	1200 Washington A
Calhoun County Public Health Department	130000	5	190 E Michigan Ave
District Health Department #10 - MECOSTA	540000	6	14485 Northland D
Health Department of Northwest Michigan - OTSEGO	690000	7	95 Livingston Blvd
Ingham County Health Department	330000	1	5303 S Cedar Stree
Kalamazoo County Health and Community Services	390000	5	311 East Alcott
Macomb County Health Department	500000	2N	43525 Elizabeth Ro
Oakland County Health Division - North	630000&631000	2N	1200 North Telegra
Ottawa County Department of Public Health	700000	6	12251 James Street
Washtenaw County Health Department	810000	2S	555 Towner St.

City	County	Zip	Email 1	Email 2	Total Doses Ordered	FIRST DOSE doses designated
Bay City	MI	48708	condonl@baycounty.n	carmonaa@baycounty.n	975	975
Battle Creek	Calhoun	49014	vholdcraft@calhounco	kgreen@calhouncountyr	975	975
Big Rapids	Mecosta	49307	vmarshall@dhd10.org	bdean@dhd10.org	1950	1950
Gaylord	Otsego	49735	a.louiselle@nwhealth.c	v.mushlock@nwhealth.c	1950	975
Lansing	Ingham	48911	wridenour@ingham.or	khebert@ingham.org	2925	1950
Kalamazoo	Kalamazoo	49001	jafins@kalcounty.com	tdhaun@kalcounty.com	1950	975
Mt. Clemens	Macomb	48043	cheryl.woods@macom	faith.knoll@macombgov	1950	975
Pontiac	Oakland	48341	highfieldi@oakgov.com	krebaumd@oakgov.com	1950	1950
Holland	MI	49424	tbulhuis@miottawa.o	rschurman@miottawa.o	1950	975
Ypsilanti	Washtenaw	48198	longhanyr@washtenaw	avedisianr@washtenaw.	1950	1180

SECOND DOSE doses designated	Doses Arriving Tues Jan 5th	Doses Arriving Wed Jan 6th
0	975	0
0	975	0
0	1950	0
975	1950	0
975	2925	0
975	1950	0
975	1950	0
0	1950	0
975	1950	0
770	1950	0

Name of Health Department	VFC PIN	Region	Address
Allegan County Health Department	30000	5	3255 -- 122nd, Ste 200
Barry Eaton Health Dept - Barry	80000	5	330 W WOODLAWN
Barry Eaton Health Dept - Eaton	230000	1	1033 HEALTH CARE DR
Bay County Health Department	90000	3	1200 Washington Ave
Benzie Leelanau District Health Department - Benzie	100000	7	6051 Frankfort Hwy
Benzie Leelanau District Health Department - Leelanau	450000	7	7401 E Duck Lake Rd
Berrien County Health Department - Benton Harbor (MAI	110000	5	2149 E NAPIER AVE
Branch-Hillsdale-St. Joseph Community Health Agency: C	120000	5	570 Marshall Rd
Branch-Hillsdale-St. Joseph Community Health Agency: H	300000	1	20 Care Dr
Branch-Hillsdale-St. Joseph Community Health Agency: St	752022	5	1555 E Chicago Rd
Branch-Hillsdale-St. Joseph Community Health Agency: Tl	752000	5	1110 Hill St
Calhoun County Public Health Department	130000	5	190 E Michigan Ave
Central Michigan District Health Department - Arenac	60000	3	4489 W M-61 Suite 3
Central Michigan District Health Department - Clare	180000	6	815 N Clare Ave
Central Michigan District Health Department - Gladwin	260000	3	103 N Bowery
Central Michigan District Health Department - Isabella	370000	6	2012 E Preston St.
Central Michigan District Health Department - Osceola	670000	6	22054 Profession Dr. S
Central Michigan District Health Department - Roscomm	720000	7	200 Grand Ave.
Chippewa County Heath Department	170000	8	508 Ashmun ST suite :
Detroit Health Department	840000	2S	100 Mack Ave
Dickinson-Iron District Health Department - Dickinson	220000	8	818 Pyle Dr
Dickinson-Iron District Health Department - Iron	360000	8	601 Washington Avenue
District Health Department #10 - CRAWFORD	20000	7	501 Norway St
District Health Department #10 - KALKASKA	400000	7	625 Courthouse Dr NW
District Health Department #10 - LAKE	430000	6	5681 S M-37
District Health Department #10 - MANISTEE	510000	7	385 3rd Street
District Health Department #10 - MASON	530000	6	916 Diana St
District Health Department #10 - MECOSTA	540000	6	14485 Northland Dr
District Health Department #10 - MISSAUKEE	570000	7	6180 W Sanborn Rd #1
District Health Department #10 - NEWAYGO	620000	6	1049 E Newell St
District Health Department #10 - OCEANA	640000	6	3986 N Oceana Dr
District Health Department #10 - WEXFORD	830000	7	521 Cobb St A
District Health Department No. 2 - Ogemaw	650000	3	630 Progress St.
District Health Department No. 2 - Oscoda	680000	3	393 S. Mt Tom Rd
District Health Department No.2 - ALCONA	10000	3	311 Lake St
District Health Department No.2 - IOSCO	350000	3	420 West Lake St
District Health Dept. No. 4 - Alpena	40000	7	100 Woods Circle
District Health Dept. No. 4 - Cheboygan	160000	7	825 S. Huron St.
District Health Dept. No. 4 - Montmorency	600000	7	12519 State Street
District Health Dept. No. 4 - Presque Isle	710000	7	106 E. Huron St.
Genesee County - Burton	250000	3	G-3373 S. Saginaw St
Grand Traverse County Health Department	280000	7	2600 Lafranier Road, S

Health Department of Northwest Michigan - OTSEGO	690000	7	95 Livingston Blvd
Health Department of Northwest Michigan - ANTRIM	50000	7	209 Portage Dr
Health Department of Northwest Michigan - CHARLEVOIX	150000	7	220 W. Garfield St.
Health Department of Northwest Michigan - EMMET	240000	7	3434 Harbor Petoskey
Health Department of Northwest Michigan - MANCERON	051000	7	205 Grove St.
Huron County Health Department	320000	3	1142 S Van Dyke
Ingham County Health Department	330000	1	5303 S Cedar Street
Ionia	340000	6	175 E. Adams St.
Jackson County	380000	1	1715 Lansing Ave
Kalamazoo County Health and Community Services	390000	5	311 East Alcott
Kent County Health Department - Fuller	410000	6	700 Fuller NE
Lapeer County Health Department	440000	3	1800 IMLAY CITY RD
Lenawee County Health Dept	460000	1	1040 South Winter Str
Livingston County Health Department	470000	1	2300 East Grand River
LMAS District Health Department - Alger	020000	8	E9526 Prospect St
LMAS District Health Department - Luce	480000	8	14150 County Road 42
LMAS District Health Department - Mackinac	490000	8	749 Hombach St
LMAS District Health Department - Schoolcraft	770000	8	300 Walnut St Rm 155
Macomb County Health Department	500000	2N	43525 Elizabeth Road
Marquette County Health Department	520000	8	184 US 41 East
Midland County Department of Public Health	560000	3	220 W ELLSWORTH ST
MidMichigan District Health Department - Clinton	190000	1	1307 E. Townsend Rd.
MidMichigan District Health Department - Gratiot	290000	1	151 Commerce Dr
MidMichigan District Health Department - Montcalm	590000	6	615 N. State Street
Monroe County Health Department	580000	2S	2353 S. Custer Rd.
Oakland County Health Division - North	630000	2N	1200 North Telegraph
Oakland County Health Division - South	631000	2N	27725 Greenfield Rd
Ottawa County Department of Public Health	700000	6	12251 James Street Su
Public Health Muskegon	610000	6	209 E. Apple Ave.
Public Health, Delta & Menominee - Delta	210000	8	2920 College Ave
Public Health, Delta & Menominee - Menominee	550000	8	909 10th Ave
Saginaw County Health Department	730000	3	1600 N. Michigan Ave.
Sanilac County Health Department	760000	3	171 Dawson St
Shiawassee County Health Department	780000	1	149 E. Corunna Ave
St. Clair County Health Department	740000	2N	3415 28th Street
Tuscola county health department	790000	3	1309 Cleaver Rd.
Van Buren Cass District Health Department - Cass	140000	5	302 S Front St
Van Buren Cass District Health Department - Van Buren	800000	5	57418 CR 681
Washtenaw County Health Department	810000	2S	555 Towner St.
Wayne County	820000	2S	33030 Van Born Rd
Western Upper Peninsula Health Department - Baraga	070000	8	
Western Upper Peninsula Health Department - Gogebic	270000	8	210 N Moore St
Western Upper Peninsula Health Department - Houghton	310000	8	540 Depot Street
Western Upper Peninsula Health Department - Ontonagon	660000	8	408 Copper St

City	County	Zip	Email 1
Allegan	Allegan	49010	lletts@allegancounty.org
HASTINGS	BARRY	49058	janderson@bedhd.org
CHARLOTTE	EATON	48813	janderson@bedhd.org
Bay City	Bay	48708	condonl@baycounty.net
Benzonia	Benzie	49616	ajurek@bldhd.org
Lake Leelanau	Leelanau	49653	ajurek@bldhd.org
Benton Harbor	Berrien	49022	dpayne@bchdmi.org
Coldwater	Branch	49036	fowlerd@bhsj.org
Hillsdale	Hillsdale	49242	fowlerd@bhsj.org
Sturgis	St. Joseph	Ste C	fowlerd@bhsj.org
Three Rivers	St. Joseph		49093 fowlerd@bhsj.org
Battle Creek	Calhoun		49014 vholdcraft@calhouncountyr
Standish	Arenac		48658 jview@cmdhd.org
Harrison	Clare		48625 wleiter@cmdhd.org
Gladwin	Gladwin		48624 blyons@cmdhd.org
Mt. Pleasant	Isabella		48858 lmiiller@cmdhd.org
Reed City	Osceola		48677 lking@cmdhd.org
Prudenville	Roscommo		48651 kcherven@cmdhd.org
Sault Ste Marie	Chippewa		49783 czimmerman@chippewahd.c
Detroit	Detroit		48201 dalald@detroitmi.gov
Kingsford	Dickinson		49802 dhorton@didhd.org
Iron River	Iron		49935 nmantsch@didhd.org
Grayling	Crawford		49738 jfultz@dhd10.org
Kalkaska	Kalkaska		49646 amarvin@dhd10.org
Baldwin	Lake		49304 chuthins@dhd10.org
Manistee	Manistee		49660 bdean@dhd10.org
Ludington	Mason		49431 sstickney@dhd10.org
Big Rapids	Mecosta		49307 vmarshall@dhd10.org
Lake City	Missaukee		49651 sparker@dhd10.org
White Cloud	Newaygo		49349 rrumsey@dhd10.org
Hart	Oceana		49420 cjansen@dhd10.org
Cadillac	Wexford		49601 hgeeseman@dhd10.org
West Branch	Ogemaw		48661 kmattson@dhd2.org
Mio	Oscoda		48647 kmattson@dhd2.org
Harrisville	Alcona		48740 kmattson@dhd2.org
Tawas City	Iosco		48764 kmattson@dhd2.org
Alpena	Alpena		49707 awysocki@dhd4.org
Cheboygan	Cheboygan		49721 awysocki@dhd4.org
Atlanta	Montmore		49709 awysocki@dhd4.org
Rogers City	Presque Isl		49779 awysocki@dhd4.org
Burton	Genesee		48503 thanson401@gchd.us
Traverse City	Grand Trav		46986 scorner@gtcountymi.gov

Gaylord	Otsego	49735 a.louiselle@nwhealth.org
Bellaire	Antrim	49615 r.miller@nwhealth.org
Charlevoix	Charlevoix	49720 m.smoot@nwhealth.org
Harbor Springs	Emmet	49740 t.major@nwhealth.org
Mancelona	Antrim	49659 c.squires@nwhealth.org
Bad Axe	Huron	48413 rochefort@hchd.us
Lansing	Ingham	48911 wridenour@ingham.org
Ionia	Ionia	48846 jbevington@ioniacounty.org
Jackson	Jackson	49202 sbaker@mijackson.org
Kalamazoo	Kalamazoo	49001 jafins@kalcounty.com
Grand Rapids	Kent	49503 mary.wisinski@kentcountyr
LAPEER	Lapeer	48446-3208 srager@lapeercounty.org
Adrian	Lenawee	49221 marianne.reko@lenawee.mi
Howell	Livingston	48843 nbaran@livgov.com
Munising	Alger	49862 tthomas@lmasdhd.org
Newberry	Luce	49868 sburton@lmasdhd.org
Saint Ignace	Mackinac	49781 tthomas@lmasdhd.org
Manistique	Schoolcraft	49854 rweber@lmasdhd.org
Mt. Clemens	Macomb	48043 cheryl.woods@macombgov.
Negaunee	Marquette	49866 bmileski@mqtco.org
Midland	Midland	48640 nswanton@co.midland.mi.u
St. Johns	Clinton	48879 dkent@mmdhd.org
Ithaca	Gratiot	48847 dkent@mmdhd.org
Stanton	Montcalm	48888 dkent@mmdhd.org
Monroe	Monroe	48161 robin_opfermann@monroer
Pontiac	Oakland	48341 highfieldi@oakgov.com
Southfield	Oakland	48076 crotties@oakgov.com
Holland	Ottawa	49424 tbulthuis@miottawa.org
Muskegon	Muskegon	49442 PublicHealth.COVID-19@co.
Escanaba	Delta	49829 jmiller@phdm.org
Menominee	Menomine	49858 jmiller@phdm.org
Saginaw	Saginaw	48602 kparham@saginawcounty.cc
Sandusky	Sanilac	48471 covidvaccine@sanilachealth.
Corunna	Shiawassee	48867 mnichols@shiawasseechd.ne
Port Huron	St. Clair	48060 btodaro@stclaircounty.org
Caro	Tuscola	48723 bzagata@tchd.us
Dowagiac	Cass	49047 jbeeching@vbcassdhd.org
Hartford	VanBuren	49057 francesr@vbcassdhd.org
Ypsilanti	Washtenaw	48198 longhanyr@washtenaw.org
Wayne	Wayne	48184 kfradene@waynecounty.con
	Baraga	tmagaraggia@wuphd.org
Bessemer	Gogebic	49911 dschwartz@wuphd.org
Hancock	Houghton	49930 mtindell@wuphd.org
Ontonagon	Ontonagon	49953 lpestka@wuphd.org

Email 2	Moderna TOTAL Doses Ordered	Moderna FIRST Doses Ordered	Moderna SECOND Doses Ordered	1/18 MLK Delivery?
lvandezande@allegancounty.org	1100	600	500	Yes
mnewton@bedhd.org	500	400	100	No
nkarazim@bedhd.org	700	600	100	No
carmonaa@baycounty.net	700	700	0	No
rpomeroy@bldhd.org	100	100	0	No
rpomeroy@bldhd.org	200	200	0	No
kkortebe@bchdmi.org	1000	1000	0	No
nicholsk@bhsj.org	300	200	100	No
atwoody@bhsj.org	400	300	100	No
mullendorea@bhsj.org	100	100	0	No
mullendorea@bhsj.org	300	200	100	No
kgreen@calhouncountymi.gov	800	800	0	No
tveltman@cmdhd.org	300	100	200	Yes
aderuiter@cmdhd.org	500	200	300	Yes
rgreaves@cmdhd.org	500	200	300	Yes
egee@cmdhd.org	900	300	600	Yes
cmaans@cmdhd.org	500	200	300	Yes
njarski@cmdhd.org	500	200	300	Yes
ockenfels@chippewahd.com	400	200	200	No
clemonsmartez@detroitmi.gov	5400	3400	2000	Yes
scudnohufsky@didhd.org	600	200	400	Yes
sjacobson@didhd.org	300	100	200	No
jbulmer@dhd10.org	200	100	100	No
astraughan@dhd10.org	200	100	100	No
klimoges@dhd10.org	200	100	100	No
jschwass@dhd10.org	300	200	100	No
ttreesch@dhd10.org	300	200	100	No
bdean@dhd10.org	300	200	100	No
strinklein@dhd10.org	200	100	100	No
tkakoczki@dhd10.org	400	300	100	No
lwiedman@dhd10.org	300	200	100	No
amollohan@dhd10.org	300	200	100	No
hleforce@dhd2.org	300	200	100	Yes
hleforce@dhd2.org	100	100	0	Yes
hleforce@dhd2.org	200	100	100	Yes
hleforce@dhd2.org	200	200	0	Yes
akrueger@dhd4.org	400	200	200	Yes
jtulgetska@dhd4.org	300	200	100	No
jtolan@dhd4.org	200	100	100	No
jtulgetske@dhd4.org	200	100	100	No
staylor@gchd.us	3500	2300	1200	No
mlahey@gtcountymi.gov	600	600	0	Yes

v.mushlock@nwhealth.org	200	200	0	No
r.decker@nwhealth.org	100	100	0	No
c.mullens@nwhealth.org	200	200	0	No
a.gray@nwhealth.org	200	200	0	No
c.thompson@nwhealth.org	100	100	0	No
mkoroleski@hchd.us	400	200	200	No
khebert@ingham.org	1700	1700	0	Yes
kbowen@ioniacounty.org	700	400	300	No
mbudd@mijackson.org	1100	900	200	No
tdhaun@kalcounty.com	1500	1500	0	No
michele.anderson@kentcountymi.gov	3200	3200	0	Yes
amontgomery@lapeercounty.org	900	500	400	No
theresa.enriquez@lenawee.mi.us	600	600	0	No
mpedigo@livgov.com	2300	1100	1200	No
jlipnitsuddon@lmasdhd.org	100	100	0	Yes
csmithson@lmasdhd.org	100	100	0	Yes
jlipnitsuddon@lmasdhd.org	100	100	0	Yes
kleckson@lmasdhd.org	200	200	0	Yes
faith.knoll@macombgov.org	4600	4600	0	No
kmell@mqtco.org	400	400	0	No
mmacinnis@co.midland.mi.us	900	500	400	No
lsimon@mmdhd.org	600	400	200	No
scorrigan@mmdhd.org	400	300	100	No
jsawdy@mmdhd.org	600	400	200	No
melissa_trouten@monroemi.org	1000	900	100	No
krebaumd@oakgov.com	3600	3600	0	Yes
mccarthy@oakgov.com	3600	3600	0	Yes
rschurman@miottawa.org	1600	1600	0	Yes
PublicHealth.COVID-19@co.muskegon.mi.us	1500	1000	500	No
lmaulding@phdm.org	400	200	200	Yes
lmaulding@phdm.org	300	200	100	Yes
tsimon@saginawcounty.com	1200	1200	0	No
covidvaccine@sanilachealth.com	500	300	200	No
hjancarik@shiawasseechd.net	800	400	400	No
cvanconant@stclaircounty.org	800	800	0	No
jdickinson@tchd.us	400	300	100	No
dbaker@vbcassdhd.org	800	400	400	No
jbeeching@vbcassdhd.org	500	400	100	No
avedisianr@washtenaw.org	2400	2400	0	Yes
fporter@waynecounty.com	5500	5500	0	No
kaho@wuphd.org	100	100	0	No
cdigiorgio@wuphd.org	400	100	300	No
Tkangas@wuphd.org	500	200	300	No
mblack@wuphd.org	300	100	200	No

72200

57400

14800

Name of Health Department	Region	Address	City	County	Zip
Allegan County Health Department	5	3255 -- 122	Allegan	Allegan	49010
Barry Eaton Health Dept - Barry	5	330 W WO	HASTINGS	BARRY	49058
Barry Eaton Health Dept - Eaton	1	1033 HEAL	CHARLOTT	EATON	48813
Bay County Health Department	3	1200 Wash	Bay City	Bay	48708
Benzie Leelanau District Health Departme	7	6051 Frank	Benzonia	Benzie	49616
Benzie Leelanau District Health Departme	7	7401 E Duc	Lake Leelar	Leelanau	49653
Berrien County Health Department - Bent	5	2149 E NAF	Benton Har	Berrien	49022
Branch-Hillsdale-St. Joseph Community Hi	5	570 Marsh.	Coldwater	Branch	49036
Branch-Hillsdale-St. Joseph Community Hi	1	20 Care Dr	Hillsdale	Hillsdale	49242
Branch-Hillsdale-St. Joseph Community Hi	5	1555 E Chic	Sturgis	St. Joseph	Ste C
Branch-Hillsdale-St. Joseph Community Hi	5	1110 Hill St	Three River	St. Joseph	49093
Calhoun County Public Health Departmen	5	190 E Mich	Battle Cree	Calhoun	49014
Central Michigan District Health Departm	3	4489 W M-	Standish	Arenac	48658
Central Michigan District Health Departm	6	815 N Clare	Harrison	Clare	48625
Central Michigan District Health Departm	3	103 N Bow	Gladwin	Gladwin	48624
Central Michigan District Health Departm	6	2012 E Pre	Mt. Pleasant	Isabella	48858
Central Michigan District Health Departm	6	22054 Prof	Reed City	Osceola	48677
Central Michigan District Health Departm	7	200 Grand	Prudenville	Roscommo	48651
Chippewa County Heath Department	8	508 Ashmu	Sault Ste M	Chippewa	49783
Detroit Health Department	25	100 Mack /	Detroit	Detroit	48201
Dickinson-Iron District Health Departmen	8	818 Pyle Dr	Kingsford	Dickinson	49802
Dickinson-Iron District Health Departmen	8	601 Washin	Iron River	Iron	49935
District Health Department #10 - CRAWF	7	501 Norwa	Grayling	Crawford	49738
District Health Department #10 - KALKASK	7	625 Courth	Kalkaska	Kalkaska	49646
District Health Department #10 - LAKE	6	5681 S M-3	Baldwin	Lake	49304
District Health Department #10 - MANIST	7	385 3rd Str	Manistee	Manistee	49660
District Health Department #10 - MASON	6	916 Diana	Ludington	Mason	49431
District Health Department #10 - MECOST	6	14485 Nori	Big Rapids	Mecosta	49307
District Health Department #10 - MISSAU	7	6180 W Sai	Lake City	Missaukee	49651
District Health Department #10 - NEWAYC	6	1049 E Nev	White Clou	Newaygo	49349
District Health Department #10 - OCEANA	6	3986 N Oce	Hart	Oceana	49420
District Health Department #10 - WEXFOF	7	521 Cobb S	Cadillac	Wexford	49601
District Health Department No. 2 - Ogemaw	3	630 Progre	West Branch	Ogemaw	48661
District Health Department No. 2 - Oscoda	3	393 S. Mt T	Mio	Oscoda	48647
District Health Department No.2 - ALCON	3	311 Lake St	Harrisville	Alcona	48740
District Health Department No.2 - IOSCO	3	420 West L	Tawas City	Iosco	48764
District Health Dept. No. 4 - Alpena	7	100 Wood	Alpena	Alpena	49707
Genesee County - Burton	3	G-3373 S. S	Burton	Genesee	48503
Huron County Health Department	3	1142 S Van	Bad Axe	Huron	48413
Ingham County Health Department	1	5303 S Ced	Lansing	Ingham	48911
Ionia	6	175 E. Ada	Ionia	Ionia	48846

Jackson County	1	1715 Lansie Jackson	Jackson	49202
Kalamazoo County Health and Communit	5	311 East Al Kalamazoo	Kalamazoo	49001
Kent County Health Department - Fuller	6	700 Fuller I Grand Rapi	Kent	49503
Lapeer County Health Department	3	1800 IMLA LAPEER	Lapeer	48446-320
Lenawee County Health Dept	1	1040 South Adrian	Lenawee	49221
Livingston County Health Department	1	2300 East C Howell	Livingston	48843
LMAS District Health Department - Alger	8	E9526 Pros Munising	Alger	49862
Macomb County Health Department	2N	43525 Elizab Mt. Clemer	Macomb	48043
Marquette County Health Department	8	184 US 41 I Negaunee	Marquette	49866
Midland County Department of Public He.	3	220 W ELLS Midland	Midland	48640
MidMichigan District Health Department	1	1307 E. Toi St. Johns	Clinton	48879
MidMichigan District Health Department	1	151 Comm Ithaca	Gratiot	48847
MidMichigan District Health Department	6	615 N. Stat Stanton	Montcalm	48888
Monroe County Health Department	2S	2353 S. Cu Monroe	Monroe	48161
Oakland County Health Division - North	2N	1200 North Pontiac	Oakland	48341
Oakland County Health Division - South	2N	27725 Gre Southfield	Oakland	48076
Public Health Muskegon	6	209 E. Appl Muskegon	Muskegon	49442
Public Health, Delta & Menominee - Delta	8	2920 Colleg Escanaba	Delta	49829
Public Health, Delta & Menominee - Men	8	909 10th A Menomine	Menomine	49858
Saginaw County Health Department	3	1600 N. Mi Saginaw	Saginaw	48602
Sanilac County Health Department	3	171 Dawso Sandusky	Sanilac	48471
Shiawassee County Health Department	1	149 E. Corl Corunna	Shiawassee	48867
St. Clair County Health Department	2N	3415 28th Port Huron	St. Clair	48060
Tuscola county health department	3	1309 Cleav Caro	Tuscola	48723
Van Buren Cass District Health Departme	5	302 S Front Dowagiac	Cass	49047
Van Buren Cass District Health Departme	5	57418 CR E Hartford	VanBuren	49057
Washtenaw County Health Department	2S	555 Towne Ypsilanti	Washtenav	48198
Wayne County	2S	33030 Van Wayne	Wayne	48184
Western Upper Peninsula Health Departm	8	210 N Moo Bessemer	Gogebic	49911
Western Upper Peninsula Health Departm	8	540 Depot Hancock	Houghton	49930
Western Upper Peninsula Health Departm	8	408 Coppe Ontonagon	Ontonagon	49953

VFC PIN	Email 1	Email 2	Phone	1/31	1/31	Total
				Moderna	Moderna	
				FIRST	SECOND	
				Doses	Doses	
				Ordered	ORDERED	
30000	lletts@allej	lvandezanc	269-290-89	900	0	900
80000	janderson@	mnewton@	517-541-26	500	100	600
230000	janderson@	nkarazim@	517-541-26	1000	100	1100
90000	condonl@	carmonaa@	(989) 895-4	200	700	900
100000	ajurek@blc	rpomeroy@	231-383-08	200		200
450000	ajurek@blc	rpomeroy@	bldhd.org	200	300	500
110000	dpayne@b	kkortebe@	(269) 927-5	1900	400	2300
120000	fowlerd@b	nicholsk@	5.18E+09	500		500
300000	fowlerd@b	atwoody@	bhsj.org	400	100	500
752022	fowlerd@b	mullendorea@	bhsj.org		100	100
752000	fowlerd@b	mullendorea@	bhsj.org	700	100	800
130000	vholdcraft@	kgreen@ca	269-967-4996		800	800
60000	jview@cm	tveltman@	cmdhd.org	300	100	400
180000	wleiter@cr	aderuiter@	cmdhd.org	400	200	600
260000	blyons@cn	rgreaves@	989-889-49	500	200	700
370000	lmiiller@cr	eggee@	cmdhd.org	700	300	1000
670000	lking@cmd	cmaans@	cmdhd.org	400	200	600
720000	kcherven@	njarski@	cmdhd.org	300	200	500
170000	czimmerm	ockenfels@	chippewah	400		400
840000	dalald@de	clemonsm	2.48E+09	15000		15000
220000	dhorton@	scudnohuf	906-779-72	200		200
360000	nmantsch@	sjacobson@	didhd.org	200		200
20000	jfultz@dhd	jbulmer@d	231-309-89	200		200
400000	amarvin@	castraghan	231-309-89	200		200
430000	chuthins@	klimoges@	231-309-89	200		200
510000	bdean@dh	jschwass@	231-309-89	300		300
530000	sstickney@	ttreesch@	231-309-89	300		300
540000	vmarshall@	bdean@dh	231-309-89	300		300
570000	sparker@d	strinklein@	231-309-89	200		200
620000	rrumsey@	tkakoczki@	231-309-89	300		300
640000	cjansen@d	lwiedman@	231-309-89	300		300
830000	hgeesemar	amollohan	231-309-89	200		200
650000	kmattson@	hleforce@dhd2.org		300	100	400
680000	kmattson@	hleforce@dhd2.org		300	100	400
10000	kmattson@	hleforce@	989-345-50	300		300
350000	kmattson@	hleforce@dhd2.org		200	100	300
40000	awysocki@	akrueger@	9.89E+09	1000	200	1200
250000	thanson40	staylor@gchd.us		4300		4300
320000	rochefort@	mkoroleski	9.89E+09	400		400
330000	wridenour@	khebert@ii	517-887-43	1000		1000
340000	jbevington	kbowen@i	6.17E+09	600	300	900

380000	sbaker@m mbudd@m 517-206-59	1600	400	2000
390000	jafins@kal tdhaun@k 269-373-52	400		400
410000	mary.wisin michele.an 616 632-70	1400		1400
440000	srager@lap amontgom NO Respon	800		800
460000	marianne.r theresa.eni NO Respon	1000	1000	2000
470000	nbaran@liv mpedigo@ 5.18E+09	1300		1300
20000	ctebear@lr bharris@ln 906-322-98	1100	100	1200
500000	cheryl.woo faith.knoll@ 586-419-64	2400		2400
520000	bmileski@r kmell@mq 906-315-26	600		600
560000	nswanton@ mmacinne (989) 832-6	600	200	800
190000	dkent@mn lsimon@m 616-302-67	600	200	800
290000	dkent@mn scorriga@mmdhd.org	500	300	800
590000	dkent@mn jsawdy@mmdhd.org	500	200	700
580000	robin_opfe melissa_tr 7.34E+09	1200		1200
630000	highfieldi@ krebaumd 248-303-23	1800		1800
631000	crotties@o mccarthy@oakgov.	1700		1700
610000	PublicHealt PublicHealt NO Respon	1800	300	2100
210000	jmiller@ph lmaulding@ 906-399-45	400		400
550000	jmiller@ph lmaulding@phdm.org	300		300
730000	kparham@ tsimon@sa (989) 758-3	300		300
760000	covidvaccir covidvaccir 810-648-40	600	100	700
780000	mnichols@ hjancarik@ 9.9E+09	500		500
740000	btodaro@s cvanconan 810-987-53	1100	1000	2100
790000	bzagata@t jdickinson@ 989-673-81	600	300	900
140000	jbeeching@ dbaker@vbcassdhd.org	800	100	900
800000	francesr@ jbeeching@ 269-621-31	900	200	1100
810000	longhanyr@ avedisianr 7.34E+09	800		800
820000	kfradene@ fporter@w 734-727-70	3500		3500
270000	dschwartz@ cdigiorgio@wuphd.org	300		300
310000	mtindell@ Tkangas@ 906-370-86	400	1600	2000
660000	lpestka@w mblack@wuphd.org	200		200

Name of Health Department	VFC PIN	Region
Allegan County Health Department	30000	5
Bay County Health Department	90000	3
Berrien County Health Department - Benton Harbor (MAIN	110000	5
Branch-Hillsdale-St. Joseph Community Health Agency: Th	752000	5
Central Michigan District Health Department - Isabella	370000	6
Detroit Health Department	840000	2S
District Health Department #10 - MECOSTA	540000	6
Grand Traverse County Health Department	280000	7
Health Department of Northwest Michigan - OTSEGO	690000	7
Huron County Health Department	320000	3
Ingham County Health Department	330000	1
Jackson County	380000	1
Kalamazoo County Health and Community Services	390000	5
Kent County Health Department - Fuller	410000	6
Lenawee County Health Dept	460000	1
Macomb County Health Department	500000	2N
Marquette County Health Department	520000	8
Midland County Department of Public Health	560000	3
Monroe County Health Department	580000	2S
Oakland County Health Division - North	630000	2N
Oakland County Health Division - South	631000	2N
Ottawa County Department of Public Health	700000	6
Public Health, Delta & Menominee - Delta	210000	8
Saginaw County Health Department	730000	3
Sanilac County Health Department	760000	3
St. Clair County Health Department	740000	2N
tuscola county health department	790000	3
Washtenaw County Health Department	810000	2S
Wayne County	820000	2S

Address	City	County	Zip	Email 1
3255 -- 122nd, Ste 200	Allegan	Allegan	49010	lletts@allegancounty.c
1200 Washington Avenue	Bay City	MI	48708	condonl@baycounty.n
2149 E NAPIER AVE	Benton Harbor	Berrien	49022	dpayne@bchdmi.org
1110 Hill St	Three Rivers	St. Joseph	49093	fowlerd@bhsj.org
2012 E Preston St.	Mt. Pleasant	Isabella	48858	lmiiller@cmdhd.org
100 Mack Ave	Detroit	Wayne - Di	48201	dalald@detroitmi.gov
14485 Northland Dr	Big Rapids	Mecosta	49307	vmarshall@dhd10.org
2600 Lafranier Road, Suite A	Traverse City	Grand Trav	46986	scorner@gtcountymi.g
95 Livingston Blvd	Gaylord	Otsego	49735	a.louiselle@nwhealth.
1142 S Van Dyke	Bad Axe	MI	48413	rochefort@hchd.us
5303 S Cedar Street	Lansing	Ingham	48911	wridenour@ingham.or
1715 Lansing Ave	Jackson	Jackson	49202	sbaker@mijackson.org
311 East Alcott	Kalamazoo	Kalamazoo	49001	jafins@kalcounty.com
700 Fuller NE	Grand Rapids	Kent	49503	mary.wisinski@kentco
1040 South Winter Street	Adrian	Lenawee	49221	marianne.reko@lenaw
43525 Elizabeth Road	Mt. Clemens	Macomb	48043	cheryl.woods@macom
184 US 41 East	Negaunee	Marquette	49866	bmileski@mqtc.org
220 W ELLSWORTH ST	Midland	Midland	48640	nswanton@co.midland
2353 S. Custer Rd.	Monroe	Monroe	48161	robin_opfermann@mc
1200 North Telegraph Building	Pontiac	Oakland	48341	highfieldi@oakgov.cor
27725 Greenfield Rd	Southfield	Oakland	48076	crotties@oakgov.com
12251 James Street Suite 500	Holland	MI	49424	tbulhuis@miottawa.o
2920 College Ave	Escanaba	Delta	49829	jmiller@phdm.org
1600 N. Michigan Ave.	Saginaw	Saginaw	48602	kparham@saginawcou
171 Dawson St	Sandusky	Sanilac	48471	covidvaccine@sanilac
3415 28th Street	Port Huron	St. Clair	48060	btodaro@stclaircount
1309 Cleaver Rd.	Caro	Tuscola	48723	bzagata@tchd.us
555 Towner St.	Ypsilanti	Washtenaw	48198	longhanyr@washtenaw
33030 Van Born Rd	Wayne	Michigan	48184	kfradene@waynecoun

Email 2	Total Doses Ordered	First Doses Designated	Second Doses Designated
lvandezande@allegancoun	975	975	0
carmonaa@baycounty.net	975	0	975
kkortebe@bchdmi.org	975	975	0
mullendorea@bhsj.org	975	975	0
egee@cmdhd.org	975	975	0
clemonsmartez@detroitm	3900	3900	0
bdean@dhd10.org	975	975	0
mlahey@gtcountymi.gov	5850	5850	0
v.mushlock@nwhealth.org	2925	1950	975
mkoroleski@hchd.us	975	975	0
khebert@ingham.org	2925	1950	975
mbudd@mijackson.org	975	975	0
tdhaun@kalcounty.com	2925	1950	975
michele.anderson@kentcc	2925	1950	975
theresa.enriquez@lenawe	975	975	0
faith.knoll@macombgov.o	4875	3900	975
kmell@mqtc.org	975	975	0
mmacinnis@co.midland.n	975	975	0
melissa_trouten@monroe	975	975	0
krebaumd@oakgov.com	975	975	0
mccarthy@oakgov.com	975	975	0
rschurman@miottawa.org	975	975	0
lmaulding@phdm.org	975	975	0
tsimon@saginawcounty.cc	975	975	0
covidvaccine@sanilachealt	975	975	0
cvanconant@stclaircounty	975	975	0
jdickinson@tchd.us	975	975	0
avedisianr@washtenaw.or	1950	975	975
fporter@waynecounty.cor	2925	2925	0

50700

43875

6825

Name of Health Department	Region	Address	City	County	Zip	VFC PIN
Bay County Health Department	3	1200 Washi	Bay City	Bay	48708	90000
Calhoun County Public Health De	5	190 E Michi	Battle Cree	Calhoun	49014	130000
District Health Department #10 -	6	14485 Nortl	Big Rapids	Mecosta	49307	540000
Grand Traverse County Health De	7	2600 Lafran	Traverse C	Grand Trav	46986	280000
Health Department of Northwest	7	95 Livingsto	Gaylord	Otsego	49735	690000
Ingham County Health Departme	1	5303 S Cedar	Lansing	Ingham	48911	330000
Kalamazoo County Health and Co	5	311 East Alc	Kalamazoo	Kalamazoc	49001	390000
Kent County Health Department -	6	700 Fuller N	Grand Rapi	Kent	49503	410000
Macomb County Health Departm	2N	43525 Elizal	Mt. Cleme	Macomb	48043	500000
Oakland County Health Division -	2N	1200 North	Pontiac	Oakland	48341	630000
Oakland County Health Division -	2N	27725 Gree	Southfield	Oakland	48076	631000
Ottawa County Department of Pu	6	12251 Jame	Holland	Ottawa	49424	700000
Saginaw County Health Departme	3	1600 N. Mic	Saginaw	Saginaw	48602	730000
Washtenaw County Health Depar	2S	555 Towner	Ypsilanti	Washtena	48198	810000
Wayne County	2S	33030 Van I	Wayne	Wayne	48184	820000

Email 1	Email 2	TOTAL Pfizer Doses Ordered	Pfizer FIRST Doses Ordered	Pfizer SECOND Doses Ordered
condonl@baycounty.net	carmonaa@baycounty.net	1950	975	975
vholdcraft@calhouncount	kgreen@calhouncountymi.	1950	975	975
vmarshall@dhd10.org	bdean@dhd10.org	3900	975	2925
scorner@gtcountymi.gov	mlehey@gtcountymi.gov	975	975	0
a.louiselle@nwhealth.org	v.mushlock@nwhealth.org	1950	975	975
wridenour@ingham.org	khebert@ingham.org	3900	2925	975
jafins@kalcounty.com	tdhaun@kalcounty.com	2925	1950	975
mary.wisinski@kentcount	michele.anderson@kentco	4875	3900	975
cheryl.woods@macombgc	faith.knoll@macombgov.o	6825	5850	975
highfieldi@oakgov.com	krebaumd@oakgov.com	3900	2925	975
crotties@oakgov.com	mccarthyma@oakgov.com	2925	2925	0
tbulthuis@miottawa.org	rschurman@miottawa.org	1950	975	975
kparham@saginawcounty	tsimon@saginawcounty.co	1950	1950	0
longhanyr@washtenaw.or	avedisianr@washtenaw.or	2925	1950	975
kfradene@waynecounty.c	fporter@waynecounty.con	1950	1950	0
		44850	32175	12675

Name of Health Department	Region	Address	City	County	Zip
Bay County Health Department	3	1200 Wash	Bay City	Bay	48708
Calhoun County Public Health Department	5	190 E Mich	Battle Cree	Calhoun	49014
District Health Department #10 - MECOSTA	6	14485 Nor	Big Rapids	Mecosta	49307
Grand Traverse County Health Department	7	2600 Lafr	Traverse Ci	Grand Trav	46986
Health Department of Northwest Michigan - OT	7	95 Livingst	Gaylord	Otsego	49735
Ingham County Health Department	1	5303 S Ced	Lansing	Ingham	48911
Kalamazoo County Health and Community Servic	5	311 East Al	Kalamazoo	Kalamazoo	49001
Kent County Health Department - Fuller	6	700 Fuller I	Grand Rapi	Kent	49503
Macomb County Health Department	2N	43525 Eliza	Mt. Clemer	Macomb	48043
Oakland County Health Division - North	2N	1200 North	Pontiac	Oakland	48341
Oakland County Health Division - South	2N	27725 Gre	Southfield	Oakland	48076
Ottawa County Department of Public Health	6	12251 Jam	Holland	Ottawa	49424
Saginaw County Health Department	3	1600 N. Mi	Saginaw	Saginaw	48602
Washtenaw County Health Department	2S	555 Towne	Ypsilanti	Washtenav	48198
Wayne County	2S	33030 Van	Wayne	Wayne	48184

VFC PIN	Email 1	Email 2	FIRST Doses Ordered	SECOND Doses ORDERED
90000	condonl@baycounty.net	carmonaa@baycounty.net	975	
130000	vholdcraft@calhouncountymi.gov	kgreen@calhouncountymi.gov	975	
540000	vmarshall@dhd10.org	bdean@dhd10.org	975	
280000	scorner@gtcountymi.gov	mlahey@gtcountymi.gov	975	
690000	a.louiselle@nwhealth.org	v.mushlock@nwhealth.org	2925	
330000	wridenour@ingham.org	khebert@ingham.org	1950	975
390000	jafins@kalcounty.com	tdhaun@kalcounty.com	1950	975
410000	mary.wisinski@kentcountymi.gov	michele.anderson@kentcountymi.gov	3900	
500000	cheryl.woods@macombgov.org	faith.knoll@macombgov.org	5850	
630000	highfieldi@oakgov.com	krebaumd@oakgov.com	2925	
631000	crotties@oakgov.com	mccarthy@oakgov.com	2925	
700000	tbulhuis@miottawa.org	rschurman@miottawa.org	975	
730000	kparham@saginawcounty.com	tsimon@saginawcounty.com	1950	975
810000	longhanyr@washtenaw.org	avedisianr@washtenaw.org	1950	
820000	kfradene@waynecounty.com	fporter@waynecounty.com	4875	

Total

975

975

975

975

2925

2925

2925

3900

5850

2925

2925

975

2925

1950

4875

Becky Bennett

From: Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>
Sent: Tuesday, February 09, 2021 6:59 AM
To: Linda Vail; Adenike Shoyinka; Sumeer Qurashi; Deneen Gallagher; Colleen Harns; Wai Yi Leung; Amy Worges; Melissa Endres
Cc: Henderson, Tiffany (DHHS); Johnson, Shannon (DHHS); Collins, Jim (DHHS); Brousseau, Geoffrey (DHHS-Contractor)
Subject: Potential Ingham epi-link to B.1.1.7
Attachments: FW: Emerging SARS-CoV-2 Variants; COVID-Sequencing-MDHHS-5905.dotx; MDHHS-BOL request for SARS-CoV-2 seq.pdf

Hi ICHD,

There's the potential that an Ingham case (MDSS [REDACTED]) is epi-linked to a B.1.1.7 variant case in Eaton (MDSS [REDACTED]). The Eaton case had a presumptive positive PCR result collected on 1/4/21 and a second PCR positive result collected on 1/27/21. On Sunday, we learned the specimen collected 1/27/21 was the B.1.1.7 variant. BEDHD was unable to reach the client until yesterday. She reported yesterday that she works at MDOC IBC facility in Ionia and had an exposure to another MDOC IBC employee, Ingham case ([REDACTED]) on 1/26/21 and her onset on 1/27/21. The Ingham case's onset and positive PCR were on 1/25/21. It's unclear if the Eaton case exposed the Ingham case, vice versa, or if they are unrelated. However, given how transmissible B.1.1.7 is, we're recommending treating the Ingham case as a potential B.1.1.7 case in terms of control measures.

I've attached the MIHAN from 1/26 that describes recommendations in response to B.1.1.7 cases, which includes:

- Revisiting the case to make sure all close contacts were identified (which may include extending the communicable period from two days before onset to three days before onset).
- 14 day quarantine for close contacts (instead of 10 days)
- Testing of close contacts – specimens can be sent to BOL for PCR and sequencing (test req form attached)

It might also be wise to have the Ingham case re-swabbed and sent to BOL for PCR and sequencing to determine if it is the B.1.1.7 variant. It's possible that there won't be detectable virus because his onset was on 1/25/21, in which case we won't be able to obtain the sequence. But if he is still positive and it's not B.1.1.7, then we could walk back these enhanced control measures.

Thanks,
Meghan

Meghan Weinberg, PhD, MPH
Epidemiologist - Region 1
Surveillance and Infectious Disease Epidemiology Section
Michigan Department of Health and Human Services
Cell: (517) 749-2153

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Becky Bennett

From: Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>
Sent: Tuesday, January 26, 2021 11:42 AM
To: Alex Bergmooser; Amanda Rockol; Amber Irrer; Anne Hanis; April Williams; Ashleigh Kolski; bstoddard@mmdhd.org; Colleen Harns; Cynthia Tran; Dena Kent; Deneen Gallagher; Elaine Brown; Emma Harman; Hilary Pummill; Shelly Holtz; Jackie Anderson; Jamie Shepler; Jamie Wilkie; Jennifer Heslip; Jennifer J. Evans; Jennifer Johnson; Jennifer Mecomber; John Thottungal; Josi Rotunno; Kali Nichols; Karley McDonald; Kris Moyer; Wai Yi Leung; lharkness@shiawasseechd.net; Linda Weiman; lmikesell@mmdhd.org; Marji Nichols; Matthew Budd (mbudd@mijackson.org); Melissa Lautermilch; Mende Palmer; meredith.mackey@lenawee.mi.us; Melissa Endres; Natalie Johnson; Nicole Baran; Nicole Greenway (ngreenway@shiawasseechd.net); Nicole Moline; Nikki Karazim; Norm Keon; Patricia Raines; paula.ulrich; Rochelle Oshay; Samantha Soltis; Shajuana Tyson; Shymari Harris; Sierra Harns; Smoyer, Stephanie A. (MDOC); Sumeer Qurashi; Taylor Olsabeck; Teresa Spears; Theresa Enriquez; Tiffany Tyson; Tamara Jones; Tracy Payne (tpayne@mijackson.org); Wazhma Frotan; Whitnee Smith; Amy Worges; Wyki Pang; Yvonne Atwood; Matthew Price; Maureen Gibbons; D1MedDir; Hailey Brewer; Christine Hendrickson; Jennifer Casarez; Jim Cook; Jodi DeFrenn (jdefrenn@shiawasseechd.net); Lindsay Gestro; Stephanie Baker; Susie Dice (Susie.Dice@lenawee.mi.us); Colette Scrimger; Dennis Chernin; Dianne McCormick; Don Lawrenchuk; Hackert, Pamela B.; J. Daniel Woodall; Jennifer Morse; Juan Marquez; Larry Johnson (Ljohnson@shiawasseechd.net); Lauren Vogell; Linda Vail; Marcus Cheatham; Martha Hall (martha.hall@lenawee.mi.us); Michael Foust; Rashmi Travis; burns; Adenike Shoyinka
Subject: FW: Emerging SARS-CoV-2 Variants
Attachments: COVID-Sequencing-MDHHS-5905.dotx; MDHHS-BOL request for SARS-CoV-2 seq.pdf

Forwarding this MIHAN update on SARS-CoV-2 variants.

It contains helpful info on how to respond to new variant cases and how to submit specimens to the state lab for sequencing. MDHHS is interested in specimens from cases who've traveled out of Michigan in last 14 days, especially to areas where the new variants are widely circulating. Our lab is also really interested in clinical labs sending any residual specimens on a routine basis (i.e. 10 positive specimens/week). The attached letter with that request was sent to Clinical Lab Directors. Any help in re-iterating that request with your local connections to clinical labs would be appreciated. This routine surveillance allows for a broader, more diverse sampling to better detect the emergence of new variants (and better characterize transmission dynamics overall). This is all described below in more detail – just reiterating.

Thank you!
Meghan

Meghan Weinberg, PhD, MPH
Epidemiologist - Region 1
Surveillance and Infectious Disease Epidemiology Section
Michigan Department of Health and Human Services
Cell: (517) 749-2153

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From: Michigan Health Alert Network <b4831dbe-0005-3000-80c0-fceb55463ffe@notify.michiganhan.org>
Sent: Tuesday, January 26, 2021 11:19 AM
To: Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>
Subject: Emerging SARS-CoV-2 Variants

CAUTION: This is an External email. Please send suspicious emails to abuse@michigan.gov

Meghan Weinberg,

Subject: **SARS-CoV-2 B.1.1.7 Variant**

This message is being shared to call public health attention to the unique characteristics of the B.1.1.7 variant of the virus that causes COVID-19 infections (SARS-CoV-2). This variant has now been identified in multiple Michigan communities after having first been detected in an isolate from a Washtenaw County case on January 16, 2021. Also of note, another SARS-CoV-2 variant (P.1) that had previously been identified in Brazil was recently detected through sequencing of an isolate in Minnesota. More information about circulating variants can be found on the CD "[Emerging SARS-CoV-2 Variants](#)" page. This guidance will be updated as additional variants of concern are identified in Michigan and the United States.

The SARS-CoV-2 B.1.1.7 variant is thought to have emerged in the United Kingdom and has since been detected in many countries and states. This variant is concerning because it is associated with increased transmissibility. Compared to the wild-type virus, the B.1.1.7 variant is approximately 50 percent more transmissible, leading to faster spread of the virus and potentially increasing numbers of cases, hospitalizations, and deaths. Therefore, additional levels of public health intervention are required once the variant has been identified.

Fundamentally, this is a race for coverage of our population; a race that pits vaccination efforts against the transmission of infections. In this effort, public health is working to minimize both the known serious consequences of COVID-19 infections, as well as the over-all impacts on our limited healthcare resources. The B.1.1.7 variant offers the infection a speed boost in this race, which must be accounted for in our public health response. Efforts to slow transmission will allow for more of our population to be protected through vaccination.

Public health mitigation measures aimed to minimize the impact of this variant strain in our communities include the following recommendations.

When evaluating a confirmed or probable COVID-19 case or a contact with **any** possible epidemiologic links to a confirmed variant case, variant infection should be **assumed** -- an assumption that requires immediate and decisive action involving case isolation, identification of all possible contacts, and quarantine.

- The collection of all travel, exposure, and contact information during case investigations is critical in evaluating risk of variant infection.

Strictly enforce isolation and quarantine protocols

- During the isolation of B.1.1.7 variant infections and the quarantine of associated contacts, enhanced monitoring, including twice daily check-ins, is strongly recommended. Cases and close contacts should be educated about the increased risk of transmission with the variant strain.
- Strict enforcement and assurance of full 14-day quarantine period with monitoring, *regardless of the symptom status of any close contacts of possible variant infections.*

Employ active efforts to identify all possible contacts of cases with consideration to expanding the infectious period based on symptoms and testing. The inclusion of an extra day before onset may help identify additional persons infected with the variant virus.

Emphasize testing in affected areas

- Expand testing capacity in areas where the variant has been detected.
- Work closely with affected communities on messaging around testing.
- Actively work to obtain testing for exposed individuals, particularly those that are known to have been exposed to the variant strain.

Promote submission of isolates for genetic sequencing

- **Guidance and forms supporting specimen collection have been provided to Michigan Laboratory Directors and are attached to this communication.**
 - Appropriate Specimens for Sequencing
 - SARS-CoV-2 residual samples, at least 500 ul, to be frozen and sent to the state laboratory in the specimen tube on a weekly basis.
 - Acceptable specimens for the Novel 2019 Coronavirus (SARS-CoV-2) sequencing analysis are
 - Nasopharyngeal swabs in viral transport medium, Amies Transport Media, or PBS;
 - Nasal swabs in viral transport medium, Amies Transport Media, or PBS;
 - OP swabs in viral transport medium, Amies Transport Media, or PBS;
 - Nasal aspirates;
 - Mid-turbinate swabs in viral transport medium, Amies Transport Media, or PBS;
 - Sputum.

Promote testing of individuals who have traveled out of Michigan in last 14 days, especially to areas in which the new variants are widely circulating. This should be emphasized in all regions, even those in which the variant has not yet been identified.

MDHHS will share findings of variant sequences with local public health agencies as they become available to help define appropriate public health response.

You may respond by doing one of the following:

- Click the appropriate response in the following list of response options,
- Or, reply via email with your response option. Please note that you must include the number of your response option, such as **1**, in the body of your email in order for your response to be recorded.

Option# Response:

1. Message Received.

Thank you,
Michigan Health Alert Network

Date Received in Laboratory

COVID-19 (SARS-COV-2) SEQUENCING REQUISITION

Michigan Department of Health and Human Services

Bureau of Laboratories (BOL)

PO Box 30035 3350 North Martin Luther King Jr. Blvd. Lansing, MI 48909

Laboratory Records: 517-335-8059 Technical Information: 517-335-8067

Fax: 517-335-9871

Web: www.michigan.gov/mdhhs/lab

Print in UPPERCASE using dark pen

SUBMITTER INFORMATION

Submitter Information
(Printed, Typed or
Stamped)

Agency Code (If Known)

--	--	--	--	--	--

Telephone

--	--	--	--	--	--	--	--	--	--

Fax

--	--	--	--	--	--	--	--	--	--

PATIENT/SPECIMEN INFORMATION (COMPLETE ALL FIELDS)

MDHHS Specimen # 1	Date Collected	County
-----------------------	----------------	--------

Patient Name (Last, First)	Date of Birth	Sex <input type="checkbox"/> Male <input type="checkbox"/> Female
----------------------------	---------------	--

Race		
<input type="checkbox"/> American Indian or Alaskan Native	<input type="checkbox"/> Asian	<input type="checkbox"/> Black or African American
<input type="checkbox"/> Native Hawaiian or Other Pacific Islander	<input type="checkbox"/> White	<input type="checkbox"/> Other

MDHHS Specimen # 2	Date Collected	County
-----------------------	----------------	--------

Patient Name (Last, First)	Date of Birth	Sex <input type="checkbox"/> Male <input type="checkbox"/> Female
----------------------------	---------------	--

Race		
<input type="checkbox"/> American Indian or Alaskan Native	<input type="checkbox"/> Asian	<input type="checkbox"/> Black or African American
<input type="checkbox"/> Native Hawaiian or Other Pacific Islander	<input type="checkbox"/> White	<input type="checkbox"/> Other

MDHHS Specimen # 3	Date Collected	County
-----------------------	----------------	--------

Patient Name (Last, First)	Date of Birth	Sex <input type="checkbox"/> Male <input type="checkbox"/> Female
----------------------------	---------------	--

Race		
<input type="checkbox"/> American Indian or Alaskan Native	<input type="checkbox"/> Asian	<input type="checkbox"/> Black or African American
<input type="checkbox"/> Native Hawaiian or Other Pacific Islander	<input type="checkbox"/> White	<input type="checkbox"/> Other

MDHHS Specimen # 4	Date Collected	County
-----------------------	----------------	--------

Patient Name (Last, First)	Date of Birth	Sex <input type="checkbox"/> Male <input type="checkbox"/> Female
----------------------------	---------------	--

Race		
<input type="checkbox"/> American Indian or Alaskan Native	<input type="checkbox"/> Asian	<input type="checkbox"/> Black or African American
<input type="checkbox"/> Native Hawaiian or Other Pacific Islander	<input type="checkbox"/> White	<input type="checkbox"/> Other

MDHHS Specimen # 5	Date Collected	County	
Patient Name (Last, First)		Date of Birth	Sex <input type="checkbox"/> Male <input type="checkbox"/> Female
Race <input type="checkbox"/> American Indian or Alaskan Native <input type="checkbox"/> Asian <input type="checkbox"/> Black or African American <input type="checkbox"/> Native Hawaiian or Other Pacific Islander <input type="checkbox"/> White <input type="checkbox"/> Other			
MDHHS Specimen # 6	Date Collected	County	
Patient Name (Last, First)		Date of Birth	Sex <input type="checkbox"/> Male <input type="checkbox"/> Female
Race <input type="checkbox"/> American Indian or Alaskan Native <input type="checkbox"/> Asian <input type="checkbox"/> Black or African American <input type="checkbox"/> Native Hawaiian or Other Pacific Islander <input type="checkbox"/> White <input type="checkbox"/> Other			
MDHHS Specimen # 7	Date Collected	County	
Patient Name (Last, First)		Date of Birth	Sex <input type="checkbox"/> Male <input type="checkbox"/> Female
Race <input type="checkbox"/> American Indian or Alaskan Native <input type="checkbox"/> Asian <input type="checkbox"/> Black or African American <input type="checkbox"/> Native Hawaiian or Other Pacific Islander <input type="checkbox"/> White <input type="checkbox"/> Other			
MDHHS Specimen # 8	Date Collected	County	
Patient Name (Last, First)		Date of Birth	Sex <input type="checkbox"/> Male <input type="checkbox"/> Female
Race <input type="checkbox"/> American Indian or Alaskan Native <input type="checkbox"/> Asian <input type="checkbox"/> Black or African American <input type="checkbox"/> Native Hawaiian or Other Pacific Islander <input type="checkbox"/> White <input type="checkbox"/> Other			
MDHHS Specimen # 9	Date Collected	County	
Patient Name (Last, First)		Date of Birth	Sex <input type="checkbox"/> Male <input type="checkbox"/> Female
Race <input type="checkbox"/> American Indian or Alaskan Native <input type="checkbox"/> Asian <input type="checkbox"/> Black or African American <input type="checkbox"/> Native Hawaiian or Other Pacific Islander <input type="checkbox"/> White <input type="checkbox"/> Other			
MDHHS Specimen # 10	Date Collected	County	
Patient Name (Last, First)		Date of Birth	Sex <input type="checkbox"/> Male <input type="checkbox"/> Female
Race <input type="checkbox"/> American Indian or Alaskan Native <input type="checkbox"/> Asian <input type="checkbox"/> Black or African American <input type="checkbox"/> Native Hawaiian or Other Pacific Islander <input type="checkbox"/> White <input type="checkbox"/> Other			
The Michigan Department of Health and Human Services will not exclude from participation in, deny benefits of, or discriminate against any individual or group because of race, sex, religion, age, national origin, color, height, weight, marital status, gender, identification or expression, sexual orientation, partisan considerations, or a disability or genetic information that is unrelated to the person's eligibility.			
By Authority of Act 368, P.A. 1978			



STATE OF MICHIGAN

GRETCHEN WHITMER
GOVERNOR

DEPARTMENT OF HEALTH AND HUMAN SERVICES
LANSING

ROBERT GORDON
DIRECTOR

15 January 2021
RE: SARS-CoV-2 Sample Request

To whom this may concern,

The Michigan Department of Health and Human Services Bureau of Laboratories has been providing support for the SARS-CoV-2 response through performing whole genome sequencing. The ability to accurately examine outbreaks within facilities, community transmission dynamics, and the emergence of new variants requires a diversity of samples throughout the state.

We are requesting 10 positive SARS-CoV-2 residual samples, at least 500 ul, to be frozen and sent to the state laboratory in the specimen tube on a weekly basis.

Accepted Specimens for the Novel 2019 Coronavirus (SARS-CoV-2) sequencing analysis are:

- Nasopharyngeal swabs in viral transport medium, Amies Transport Media, or PBS;
- Nasal swabs in viral transport medium, Amies Transport Media, or PBS;
- OP swabs in viral transport medium, Amies Transport Media, or PBS;
- Nasal aspirates;
- Mid-turbinate swabs in viral transport medium, Amies Transport Media, or PBS;
- Sputum.

If your lab is running a molecular diagnostic test that reports Ct values, samples with Ct < 30 are acceptable with submission. Other diagnostic tests that do not report a Ct value are welcome for submission without any diagnostic cutoff. Additionally, if nucleic acid extractions are being performed within the laboratory and dry ice is accessible, we are requesting that residual RNA, at least 30 ul, be frozen and sent to the state laboratory in storage tubes with dry ice instead of the clinical specimens.

Submitted specimens should highlight a diverse geographic and demographic group to ensure that we are fully capturing the region that your laboratory is located. Any specimens that may have international travel, present with severe clinical outcomes, or are potential re-infection cases, should be submitted and flagged upon submission. This will help us to capture any emerging variants that may have an impact on public health action.

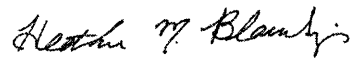
Shipping of samples should follow Category B regulations. Any shipping materials can be provided to labs that need assistance in procuring materials or shipping labels. Please email MDHHSlab@michigan.gov with your request. In the request, please include a note that the shipping materials will be used for sequencing surveillance and a point of contact with shipping address and phone number. Please be specific about the items that you are requesting and the quantity of specimens that you will be shipping. These items will only be sent out upon each request due to the number of resources available and ability to reutilize some of the materials upon receipt at BOL. Shipments should be planned out so that they arrive at BOL on Monday to Friday to ensure that samples are received.

The attached requisition form is to be used and returned with any sample submissions for SARS-CoV-2 sequencing. If you will be able to contribute more than 10 samples a week or have additional questions, please use my contact information below and we can discuss submission options.

Results obtained from whole genome sequencing of submitted samples are not meant for clinical care and will not be generated in a report format. Public facing analyses are still being developed to share information. As development nears completion, additional information will be shared on how to access data and the finalized format.

Thank you in advance for helping to contribute to the State of Michigan's response to SARS-CoV-2 through whole genome sequencing!

Sincerely,

A handwritten signature in black ink, reading "Heather M. Blankenship". The signature is written in a cursive, flowing style.

Heather Blankenship, PhD
Bioinformatics and Sequencing Section Manager
Department of Health and Human Services
Bureau of Laboratories
Division of Infectious Diseases
3350 N. Martin Luther King Jr. Blvd.
Lansing, MI 48906
Email: blankenshiph@michigan.gov
PHONE: 517-335-0095

Becky Bennett

From: Adenike Shoyinka
Sent: Tuesday, February 09, 2021 8:26 AM
To: Bowen, Ken
Subject: Fwd: Potential Ingham epi-link to B.1.1.7
Attachments: FW: Emerging SARS-CoV-2 Variants; COVID-Sequencing-MDHHS-5905.dotx; MDHHS-BOL request for SARS-CoV-2 seq.pdf

Just FYI...
[Get Outlook for iOS](#)

From: Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>
Sent: Tuesday, February 9, 2021 6:59:10 AM
To: Linda Vail <LVail@ingham.org>; Adenike Shoyinka <AShoyinka@ingham.org>; Sumeer Qurashi <SQurashi@ingham.org>; Deneen Gallagher <DGallagher@ingham.org>; Colleen Harns <CHarns@ingham.org>; Wai Yi Leung <WLeung@ingham.org>; Amy Worges <AWorges@ingham.org>; Melissa Endres <MEndres@ingham.org>
Cc: Henderson, Tiffany (DHHS) <HendersonT1@michigan.gov>; Johnson, Shannon (DHHS) <JohnsonS61@michigan.gov>; Collins, Jim (DHHS) <CollinsJ12@michigan.gov>; Brousseau, Geoffrey (DHHS-Contractor) <BrousseauG1@michigan.gov>
Subject: Potential Ingham epi-link to B.1.1.7

Hi ICHD,

There's the potential that an Ingham case (MDSS [REDACTED]) is epi-linked to a B.1.1.7 variant case in Eaton (MDSS [REDACTED]). The Eaton case had a presumptive positive PCR result collected on 1/4/21 and a second PCR positive result collected on 1/27/21. On Sunday, we learned the specimen collected 1/27/21 was the B.1.1.7 variant. BEDHD was unable to reach the client until yesterday. She reported yesterday that she works at MDOC IBC facility in Ionia and had an exposure to another MDOC IBC employee, Ingham case ([REDACTED]) on 1/26/21 and her onset on 1/27/21. The Ingham case's onset and positive PCR were on 1/25/21. It's unclear if the Eaton case exposed the Ingham case, vice versa, or if they are unrelated. However, given how transmissible B.1.1.7 is, we're recommending treating the Ingham case as a potential B.1.1.7 case in terms of control measures.

I've attached the MIHAN from 1/26 that describes recommendations in response to B.1.1.7 cases, which includes:

- Revisiting the case to make sure all close contacts were identified (which may include extending the communicable period from two days before onset to three days before onset).
- 14 day quarantine for close contacts (instead of 10 days)
- Testing of close contacts – specimens can be sent to BOL for PCR and sequencing (test req form attached)

It might also be wise to have the Ingham case re-swabbed and sent to BOL for PCR and sequencing to determine if it is the B.1.1.7 variant. It's possible that there won't be detectable virus because his onset was on 1/25/21, in which case we won't be able to obtain the sequence. But if he is still positive and it's not B.1.1.7, then we could walk back these enhanced control measures.

Thanks,
Meghan

Meghan Weinberg, PhD, MPH
Epidemiologist - Region 1
Surveillance and Infectious Disease Epidemiology Section
Michigan Department of Health and Human Services
Cell: (517) 749-2153

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Becky Bennett

From: Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>
Sent: Tuesday, January 26, 2021 11:42 AM
To: Alex Bergmooser; Amanda Rockol; Amber Irrer; Anne Hanis; April Williams; Ashleigh Kolski; bstoddard@mmdhd.org; Colleen Harns; Cynthia Tran; Dena Kent; Deneen Gallagher; Elaine Brown; Emma Harman; Hilary Pummill; Shelly Holtz; Jackie Anderson; Jamie Shepler; Jamie Wilkie; Jennifer Heslip; Jennifer J. Evans; Jennifer Johnson; Jennifer Mecomber; John Thottungal; Josi Rotunno; Kali Nichols; Karley McDonald; Kris Moyer; Wai Yi Leung; lharkness@shiawasseechd.net; Linda Weiman; lmikesell@mmdhd.org; Marji Nichols; Matthew Budd (mbudd@mijackson.org); Melissa Lautermilch; Mende Palmer; meredith.mackey@lenawee.mi.us; Melissa Endres; Natalie Johnson; Nicole Baran; Nicole Greenway (ngreenway@shiawasseechd.net); Nicole Moline; Nikki Karazim; Norm Keon; Patricia Raines; paula.ulrich; Rochelle Oshay; Samantha Soltis; Shajuana Tyson; Shymari Harris; Sierra Harns; Smoyer, Stephanie A. (MDOC); Sumeer Qurashi; Taylor Olsabeck; Teresa Spears; Theresa Enriquez; Tiffany Tyson; Tamara Jones; Tracy Payne (tpayne@mijackson.org); Wazhma Frotan; Whitnee Smith; Amy Worges; Wyki Pang; Yvonne Atwood; Matthew Price; Maureen Gibbons; D1MedDir; Hailey Brewer; Christine Hendrickson; Jennifer Casarez; Jim Cook; Jodi DeFrenn (jdefrenn@shiawasseechd.net); Lindsay Gestro; Stephanie Baker; Susie Dice (Susie.Dice@lenawee.mi.us); Colette Scrimger; Dennis Chernin; Dianne McCormick; Don Lawrenchuk; Hackert, Pamela B.; J. Daniel Woodall; Jennifer Morse; Juan Marquez; Larry Johnson (Ljohnson@shiawasseechd.net); Lauren Vogell; Linda Vail; Marcus Cheatham; Martha Hall (martha.hall@lenawee.mi.us); Michael Foust; Rashmi Travis; burns; Adenike Shoyinka
Subject: FW: Emerging SARS-CoV-2 Variants
Attachments: COVID-Sequencing-MDHHS-5905.dotx; MDHHS-BOL request for SARS-CoV-2 seq.pdf

Forwarding this MIHAN update on SARS-CoV-2 variants.

It contains helpful info on how to respond to new variant cases and how to submit specimens to the state lab for sequencing. MDHHS is interested in specimens from cases who've traveled out of Michigan in last 14 days, especially to areas where the new variants are widely circulating. Our lab is also really interested in clinical labs sending any residual specimens on a routine basis (i.e. 10 positive specimens/week). The attached letter with that request was sent to Clinical Lab Directors. Any help in re-iterating that request with your local connections to clinical labs would be appreciated. This routine surveillance allows for a broader, more diverse sampling to better detect the emergence of new variants (and better characterize transmission dynamics overall). This is all described below in more detail – just reiterating.

Thank you!
Meghan

Meghan Weinberg, PhD, MPH
Epidemiologist - Region 1
Surveillance and Infectious Disease Epidemiology Section
Michigan Department of Health and Human Services
Cell: (517) 749-2153

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From: Michigan Health Alert Network <b4831dbe-0005-3000-80c0-fceb55463ffe@notify.michiganhan.org>
Sent: Tuesday, January 26, 2021 11:19 AM
To: Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>
Subject: Emerging SARS-CoV-2 Variants

CAUTION: This is an External email. Please send suspicious emails to abuse@michigan.gov

Meghan Weinberg,

Subject: **SARS-CoV-2 B.1.1.7 Variant**

This message is being shared to call public health attention to the unique characteristics of the B.1.1.7 variant of the virus that causes COVID-19 infections (SARS-CoV-2). This variant has now been identified in multiple Michigan communities after having first been detected in an isolate from a Washtenaw County case on January 16, 2021. Also of note, another SARS-CoV-2 variant (P.1) that had previously been identified in Brazil was recently detected through sequencing of an isolate in Minnesota. More information about circulating variants can be found on the CD "[Emerging SARS-CoV-2 Variants](#)" page. This guidance will be updated as additional variants of concern are identified in Michigan and the United States.

The SARS-CoV-2 B.1.1.7 variant is thought to have emerged in the United Kingdom and has since been detected in many countries and states. This variant is concerning because it is associated with increased transmissibility. Compared to the wild-type virus, the B.1.1.7 variant is approximately 50 percent more transmissible, leading to faster spread of the virus and potentially increasing numbers of cases, hospitalizations, and deaths. Therefore, additional levels of public health intervention are required once the variant has been identified.

Fundamentally, this is a race for coverage of our population; a race that pits vaccination efforts against the transmission of infections. In this effort, public health is working to minimize both the known serious consequences of COVID-19 infections, as well as the over-all impacts on our limited healthcare resources. The B.1.1.7 variant offers the infection a speed boost in this race, which must be accounted for in our public health response. Efforts to slow transmission will allow for more of our population to be protected through vaccination.

Public health mitigation measures aimed to minimize the impact of this variant strain in our communities include the following recommendations.

When evaluating a confirmed or probable COVID-19 case or a contact with **any** possible epidemiologic links to a confirmed variant case, variant infection should be **assumed** -- an assumption that requires immediate and decisive action involving case isolation, identification of all possible contacts, and quarantine.

- The collection of all travel, exposure, and contact information during case investigations is critical in evaluating risk of variant infection.

Strictly enforce isolation and quarantine protocols

- During the isolation of B.1.1.7 variant infections and the quarantine of associated contacts, enhanced monitoring, including twice daily check-ins, is strongly recommended. Cases and close contacts should be educated about the increased risk of transmission with the variant strain.
- Strict enforcement and assurance of full 14-day quarantine period with monitoring, *regardless of the symptom status of any close contacts of possible variant infections.*

Employ active efforts to identify all possible contacts of cases with consideration to expanding the infectious period based on symptoms and testing. The inclusion of an extra day before onset may help identify additional persons infected with the variant virus.

Emphasize testing in affected areas

- Expand testing capacity in areas where the variant has been detected.
- Work closely with affected communities on messaging around testing.
- Actively work to obtain testing for exposed individuals, particularly those that are known to have been exposed to the variant strain.

Promote submission of isolates for genetic sequencing

- **Guidance and forms supporting specimen collection have been provided to Michigan Laboratory Directors and are attached to this communication.**
 - Appropriate Specimens for Sequencing
 - SARS-CoV-2 residual samples, at least 500 ul, to be frozen and sent to the state laboratory in the specimen tube on a weekly basis.
 - Acceptable specimens for the Novel 2019 Coronavirus (SARS-CoV-2) sequencing analysis are
 - Nasopharyngeal swabs in viral transport medium, Amies Transport Media, or PBS;
 - Nasal swabs in viral transport medium, Amies Transport Media, or PBS;
 - OP swabs in viral transport medium, Amies Transport Media, or PBS;
 - Nasal aspirates;
 - Mid-turbinate swabs in viral transport medium, Amies Transport Media, or PBS;
 - Sputum.

Promote testing of individuals who have traveled out of Michigan in last 14 days, especially to areas in which the new variants are widely circulating. This should be emphasized in all regions, even those in which the variant has not yet been identified.

MDHHS will share findings of variant sequences with local public health agencies as they become available to help define appropriate public health response.

You may respond by doing one of the following:

- Click the appropriate response in the following list of response options,
- Or, reply via email with your response option. Please note that you must include the number of your response option, such as **1**, in the body of your email in order for your response to be recorded.

Option# Response:

1. Message Received.

Thank you,
Michigan Health Alert Network

Date Received in Laboratory

COVID-19 (SARS-COV-2) SEQUENCING REQUISITION

Michigan Department of Health and Human Services

Bureau of Laboratories (BOL)

PO Box 30035 3350 North Martin Luther King Jr. Blvd. Lansing, MI 48909

Laboratory Records: 517-335-8059 Technical Information: 517-335-8067

Fax: 517-335-9871

Web: www.michigan.gov/mdhhs/lab

Print in UPPERCASE using dark pen

SUBMITTER INFORMATION

Submitter Information
(Printed, Typed or
Stamped)

Agency Code (If Known)

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Telephone

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Fax

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PATIENT/SPECIMEN INFORMATION (COMPLETE ALL FIELDS)

MDHHS Specimen # 1	Date Collected	County
-----------------------	----------------	--------

Patient Name (Last, First)	Date of Birth	Sex <input type="checkbox"/> Male <input type="checkbox"/> Female
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Race		
<input type="checkbox"/> American Indian or Alaskan Native	<input type="checkbox"/> Asian	<input type="checkbox"/> Black or African American
<input type="checkbox"/> Native Hawaiian or Other Pacific Islander	<input type="checkbox"/> White	<input type="checkbox"/> Other

MDHHS Specimen # 2	Date Collected	County
-----------------------	----------------	--------

Patient Name (Last, First)	Date of Birth	Sex <input type="checkbox"/> Male <input type="checkbox"/> Female
----------------------------	---------------	--

Race		
<input type="checkbox"/> American Indian or Alaskan Native	<input type="checkbox"/> Asian	<input type="checkbox"/> Black or African American
<input type="checkbox"/> Native Hawaiian or Other Pacific Islander	<input type="checkbox"/> White	<input type="checkbox"/> Other

MDHHS Specimen # 3	Date Collected	County
-----------------------	----------------	--------

Patient Name (Last, First)	Date of Birth	Sex <input type="checkbox"/> Male <input type="checkbox"/> Female
----------------------------	---------------	--

Race		
<input type="checkbox"/> American Indian or Alaskan Native	<input type="checkbox"/> Asian	<input type="checkbox"/> Black or African American
<input type="checkbox"/> Native Hawaiian or Other Pacific Islander	<input type="checkbox"/> White	<input type="checkbox"/> Other

MDHHS Specimen # 4	Date Collected	County
-----------------------	----------------	--------

Patient Name (Last, First)	Date of Birth	Sex <input type="checkbox"/> Male <input type="checkbox"/> Female
----------------------------	---------------	--

Race		
<input type="checkbox"/> American Indian or Alaskan Native	<input type="checkbox"/> Asian	<input type="checkbox"/> Black or African American
<input type="checkbox"/> Native Hawaiian or Other Pacific Islander	<input type="checkbox"/> White	<input type="checkbox"/> Other

MDHHS Specimen # 5	Date Collected	County	
Patient Name (Last, First)		Date of Birth	Sex <input type="checkbox"/> Male <input type="checkbox"/> Female
Race <input type="checkbox"/> American Indian or Alaskan Native <input type="checkbox"/> Asian <input type="checkbox"/> Black or African American <input type="checkbox"/> Native Hawaiian or Other Pacific Islander <input type="checkbox"/> White <input type="checkbox"/> Other			
MDHHS Specimen # 6	Date Collected	County	
Patient Name (Last, First)		Date of Birth	Sex <input type="checkbox"/> Male <input type="checkbox"/> Female
Race <input type="checkbox"/> American Indian or Alaskan Native <input type="checkbox"/> Asian <input type="checkbox"/> Black or African American <input type="checkbox"/> Native Hawaiian or Other Pacific Islander <input type="checkbox"/> White <input type="checkbox"/> Other			
MDHHS Specimen # 7	Date Collected	County	
Patient Name (Last, First)		Date of Birth	Sex <input type="checkbox"/> Male <input type="checkbox"/> Female
Race <input type="checkbox"/> American Indian or Alaskan Native <input type="checkbox"/> Asian <input type="checkbox"/> Black or African American <input type="checkbox"/> Native Hawaiian or Other Pacific Islander <input type="checkbox"/> White <input type="checkbox"/> Other			
MDHHS Specimen # 8	Date Collected	County	
Patient Name (Last, First)		Date of Birth	Sex <input type="checkbox"/> Male <input type="checkbox"/> Female
Race <input type="checkbox"/> American Indian or Alaskan Native <input type="checkbox"/> Asian <input type="checkbox"/> Black or African American <input type="checkbox"/> Native Hawaiian or Other Pacific Islander <input type="checkbox"/> White <input type="checkbox"/> Other			
MDHHS Specimen # 9	Date Collected	County	
Patient Name (Last, First)		Date of Birth	Sex <input type="checkbox"/> Male <input type="checkbox"/> Female
Race <input type="checkbox"/> American Indian or Alaskan Native <input type="checkbox"/> Asian <input type="checkbox"/> Black or African American <input type="checkbox"/> Native Hawaiian or Other Pacific Islander <input type="checkbox"/> White <input type="checkbox"/> Other			
MDHHS Specimen # 10	Date Collected	County	
Patient Name (Last, First)		Date of Birth	Sex <input type="checkbox"/> Male <input type="checkbox"/> Female
Race <input type="checkbox"/> American Indian or Alaskan Native <input type="checkbox"/> Asian <input type="checkbox"/> Black or African American <input type="checkbox"/> Native Hawaiian or Other Pacific Islander <input type="checkbox"/> White <input type="checkbox"/> Other			
The Michigan Department of Health and Human Services will not exclude from participation in, deny benefits of, or discriminate against any individual or group because of race, sex, religion, age, national origin, color, height, weight, marital status, gender, identification or expression, sexual orientation, partisan considerations, or a disability or genetic information that is unrelated to the person's eligibility.			
By Authority of Act 368, P.A. 1978			



GRETCHEN WHITMER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF HEALTH AND HUMAN SERVICES
LANSING

ROBERT GORDON
DIRECTOR

15 January 2021
RE: SARS-CoV-2 Sample Request

To whom this may concern,

The Michigan Department of Health and Human Services Bureau of Laboratories has been providing support for the SARS-CoV-2 response through performing whole genome sequencing. The ability to accurately examine outbreaks within facilities, community transmission dynamics, and the emergence of new variants requires a diversity of samples throughout the state.

We are requesting 10 positive SARS-CoV-2 residual samples, at least 500 ul, to be frozen and sent to the state laboratory in the specimen tube on a weekly basis.

Accepted Specimens for the Novel 2019 Coronavirus (SARS-CoV-2) sequencing analysis are:

- Nasopharyngeal swabs in viral transport medium, Amies Transport Media, or PBS;
- Nasal swabs in viral transport medium, Amies Transport Media, or PBS;
- OP swabs in viral transport medium, Amies Transport Media, or PBS;
- Nasal aspirates;
- Mid-turbinate swabs in viral transport medium, Amies Transport Media, or PBS;
- Sputum.

If your lab is running a molecular diagnostic test that reports Ct values, samples with Ct < 30 are acceptable with submission. Other diagnostic tests that do not report a Ct value are welcome for submission without any diagnostic cutoff. Additionally, if nucleic acid extractions are being performed within the laboratory and dry ice is accessible, we are requesting that residual RNA, at least 30 ul, be frozen and sent to the state laboratory in storage tubes with dry ice instead of the clinical specimens.

Submitted specimens should highlight a diverse geographic and demographic group to ensure that we are fully capturing the region that your laboratory is located. Any specimens that may have international travel, present with severe clinical outcomes, or are potential re-infection cases, should be submitted and flagged upon submission. This will help us to capture any emerging variants that may have an impact on public health action.

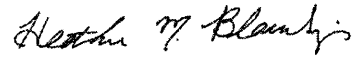
Shipping of samples should follow Category B regulations. Any shipping materials can be provided to labs that need assistance in procuring materials or shipping labels. Please email MDHHSlab@michigan.gov with your request. In the request, please include a note that the shipping materials will be used for sequencing surveillance and a point of contact with shipping address and phone number. Please be specific about the items that you are requesting and the quantity of specimens that you will be shipping. These items will only be sent out upon each request due to the number of resources available and ability to reutilize some of the materials upon receipt at BOL. Shipments should be planned out so that they arrive at BOL on Monday to Friday to ensure that samples are received.

The attached requisition form is to be used and returned with any sample submissions for SARS-CoV-2 sequencing. If you will be able to contribute more than 10 samples a week or have additional questions, please use my contact information below and we can discuss submission options.

Results obtained from whole genome sequencing of submitted samples are not meant for clinical care and will not be generated in a report format. Public facing analyses are still being developed to share information. As development nears completion, additional information will be shared on how to access data and the finalized format.

Thank you in advance for helping to contribute to the State of Michigan's response to SARS-CoV-2 through whole genome sequencing!

Sincerely,

A handwritten signature in black ink, reading "Heather M. Blankenship". The signature is written in a cursive, flowing style.

Heather Blankenship, PhD
Bioinformatics and Sequencing Section Manager
Department of Health and Human Services
Bureau of Laboratories
Division of Infectious Diseases
3350 N. Martin Luther King Jr. Blvd.
Lansing, MI 48906
Email: blankenshiph@michigan.gov
PHONE: 517-335-0095

Becky Bennett

From: Adenike Shoyinka
Sent: Tuesday, February 09, 2021 9:18 AM
To: Adenike Shoyinka
Subject: Re: Potential Ingham epi-link to B.1.1.7

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From: Adenike Shoyinka <AShoyinka@ingham.org>
Sent: Tuesday, February 9, 2021 8:25:39 AM
To: Bowen, Ken <kbowen@ioniacounty.org>
Subject: Fwd: Potential Ingham epi-link to B.1.1.7

Just FYI...
Get [Outlook for iOS](#)

From: Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>
Sent: Tuesday, February 9, 2021 6:59:10 AM
To: Linda Vail <LVail@ingham.org>; Adenike Shoyinka <AShoyinka@ingham.org>; Sumeer Qurashi <SQurashi@ingham.org>; Deneen Gallagher <DGallagher@ingham.org>; Colleen Harns <CHarns@ingham.org>; Wai Yi Leung <WLeung@ingham.org>; Amy Worges <AWorges@ingham.org>; Melissa Endres <MEndres@ingham.org>
Cc: Henderson, Tiffany (DHHS) <HendersonT1@michigan.gov>; Johnson, Shannon (DHHS) <JohnsonS61@michigan.gov>; Collins, Jim (DHHS) <CollinsJ12@michigan.gov>; Brousseau, Geoffrey (DHHS-Contractor) <BrousseauG1@michigan.gov>
Subject: Potential Ingham epi-link to B.1.1.7

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Becky Bennett

From: Mamou, Fatema (DHHS) <MamouF@michigan.gov>
Sent: Tuesday, February 09, 2021 9:33 AM
To: kbowen@ioniacounty.org; Adenike Shoyinka
Subject: Variant Case among a IBC Employee

Hi Ken and Dr. Shoyinka –

You may hear directly from MDOC or someone higher up at MDHHS but I wanted make sure you know that Eaton County had their first B.1.1.7 variant in a client who was originally lost to follow-up (██████████) and finally able to be reached yesterday. She is an MDOC employee at IBC in Ionia. When MDOC was notified they said they've had 90 new inmate cases at IBC in the past week, suggesting potential B.1.1.7 transmission. According to MDOC, they haven't had any positive inmate cases in prior recent weeks.

The Eaton case has a complicated testing history. She had a presumptive positive PCR result (it was reported as inconclusive) collected on 1/4/21. It looks like she was retested on 1/5/21 and was negative. She had a PCR positive result collected on 1/27/21. She told MDOC she was negative on 1/5/21 (she did not share the inconclusive result) and they allowed her to work. She was asymptomatic at that time. She says she was exposed to another MDOC employee (██████████) on 1/26 and became symptomatic on 1/27. Started quarantine/isolation on 1/26.

There was an MDHHS/MDOC call late yesterday to discuss recommendations (I was not on it). I have been told that MDHHS is recommending an aggressive response and mitigation strategy given the potential for transmission of the variant strain within the IBC facility along with the possibility of further spread to other MDOC facilities or the community. This will include daily testing of all staff and prisoners for at least the next 14 days.

MDOC is planning a press release regarding this variant case in the prison.

If I get additional information I will share it. Please let me know if you have any questions.

Thank you!
Fatema

Fatema Mamou, MPH
Region 6 Epidemiologist
Surveillance and Infectious Disease Epidemiology Section
Bureau of Epidemiology and Population Health, Michigan Department of Health and Human Services
Physical Address: Kent County Health Department, 700 Fuller Ave NE, Grand Rapids, MI 49503
Ph: 616-632-7245 - Cell: 517-204-6086 E-mail: mamouf@michigan.gov

**Due to COVID-19, I am working remotely. Please contact me via cell # or e-mail for the most prompt response.*

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Becky Bennett

From: Adenike Shoyinka
Sent: Tuesday, February 09, 2021 9:48 AM
To: Mamou, Fatema (DHHS); kbowen@ioniacounty.org
Subject: Re: Variant Case among a IBC Employee

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From: Mamou, Fatema (DHHS) <MamouF@michigan.gov>
Sent: Tuesday, February 9, 2021 9:33:18 AM
To: kbowen@ioniacounty.org <kbowen@ioniacounty.org>; Adenike Shoyinka <AShoyinka@ingham.org>
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To: Mamou, Fatema (DHHS); kbowen@ioniacounty.org
Subject: Re: Variant Case among a IBC Employee

Thank you, Fateema, I am trying to get the ingham case retested.

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From: Mamou, Fatema (DHHS) <MamouF@michigan.gov>
Sent: Tuesday, February 9, 2021 9:33:18 AM
To: kbowen@ioniacounty.org <kbowen@ioniacounty.org>; Adenike Shoyinka <AShoyinka@ingham.org>
Subject: Variant Case among a IBC Employee

Hi Ken and Dr. Shoyinka –

You may hear directly from MDOC or someone higher up at MDHHS but I wanted make sure you know that Eaton County had their first B.1.1.7 variant in a client who was originally lost to follow-up [REDACTED] and finally able to be reached yesterday. She is an MDOC employee at IBC in Ionia. When MDOC was notified they said they've had 90 new inmate cases at IBC in the past week, suggesting potential B.1.1.7 transmission. According to MDOC, they haven't had any positive inmate cases in prior recent weeks.

The Eaton case has a complicated testing history. She had a presumptive positive PCR result (it was reported as inconclusive) collected on 1/4/21. It looks like she was retested on 1/5/21 and was negative. She had a PCR positive result collected on 1/27/21. She told MDOC she was negative on 1/5/21 (she did not share the inconclusive result) and they allowed her to work. She was asymptomatic at that time. She says she was exposed to another MDOC employee ([REDACTED]) on 1/26 and became symptomatic on 1/27. Started quarantine/isolation on 1/26.

There was an MDHHS/MDOC call late yesterday to discuss recommendations (I was not on it). I have been told that MDHHS is recommending an aggressive response and mitigation strategy given the potential for transmission of the variant strain within the IBC facility along with the possibility of further spread to other MDOC facilities or the community. This will include daily testing of all staff and prisoners for at least the next 14 days.

MDOC is planning a press release regarding this variant case in the prison.

If I get additional information I will share it. Please let me know if you have any questions.

Thank you!
Fatema

Fatema Mamou, MPH
Region 6 Epidemiologist
Surveillance and Infectious Disease Epidemiology Section
Bureau of Epidemiology and Population Health, Michigan Department of Health and Human Services
Physical Address: Kent County Health Department, 700 Fuller Ave NE, Grand Rapids, MI 49503
Ph: 616-632-7245 - Cell: 517-204-6086 E-mail: mamouf@michigan.gov

**Due to COVID-19, I am working remotely. Please contact me via cell # or e-mail for the most prompt response.*

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Becky Bennett

From: Smoyer, Stephanie A. (MDOC) <SmoyerS@michigan.gov>
Sent: Tuesday, February 09, 2021 10:43 AM
To: Adenike Shoyinka; Tamara Jones
Subject: PCR Positive-- discharging from MDOC IBC
Attachments: [REDACTED] lab result.pdf

Good Morning Dr. Shoyinka and Ms. Jones,

I appreciate both of you calling me this morning.

[REDACTED] tested positive through Garcia Labs. He locked in Unit 6 since 5/25/2017. He did not lock in the unit that has the identified variant strain. However, out of an abundance of caution, he was PCR swabbed today and that will be sent to BOL for testing and sequencing. This positive from Garcia is not in MDSS quite yet.

He is discharging to the address below.

[REDACTED]

Stephanie Smoyer RN
BHCS Infection Control Nurse
Michigan Department of Corrections
517-257-8471



LET'S STAY SAFE TOGETHER

[REDACTED]

[REDACTED]

BELLAMY CREEK, MI 48846-
FACILITY: IBC
SEX: [REDACTED] D/O/B: [REDACTED]

[REDACTED]

Becky Bennett

From: Adenike Shoyinka
Sent: Tuesday, February 09, 2021 10:46 AM
To: Sarah Kenney
Subject: Fwd: PCR Positive-- discharging from MDOC IBC
Attachments: [REDACTED] lab result.pdf

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From: Smoyer, Stephanie A. (MDOC) <SmoyerS@michigan.gov>
Sent: Tuesday, February 9, 2021 10:42:52 AM
To: Adenike Shoyinka <AShoyinka@ingham.org>; Tamara Jones <TJones@ingham.org>
Subject: PCR Positive-- discharging from MDOC IBC

Good Morning Dr. Shoyinka and Ms. Jones,

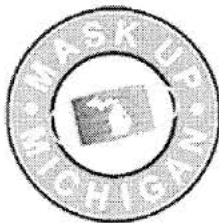
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[REDACTED]

BELLAMY CREEK, MI 48846-
FACILITY: IBC
SEX: [REDACTED] D/O/B: [REDACTED]

[REDACTED]

[REDACTED]

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From: Tamara Jones
Sent: Tuesday, February 09, 2021 10:46 AM
To: Smoyer, Stephanie A. (MDOC); Adenike Shoyinka
Subject: RE: PCR Positive-- discharging from MDOC IBC

Thank you Stephanie,

I will get this entered into MDSS and assigned to a nurse ASAP!

Tamara

From: Smoyer, Stephanie A. (MDOC) <SmoyerS@michigan.gov>
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Cc: Henderson, Tiffany (DHHS); Johnson, Shannon (DHHS); Collins, Jim (DHHS); Brousseau, Geoffrey (DHHS-Contractor)
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Meghan Weinberg, PhD, MPH
Epidemiologist - Region 1
Surveillance and Infectious Disease Epidemiology Section
Michigan Department of Health and Human Services
Cell: (517) 749-2153

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Thank you very much, Winnie!

I've added them to our line list for the lab.

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CAUTION: This is an External email. Please send suspicious emails to abuse@michigan.gov

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Meghan Weinberg, PhD, MPH
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Michigan Department of Health and Human Services
Cell: (517) 749-2153

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Becky Bennett

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Attachments: RE: MDOC variant

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Becky Bennett

From: LyonCallo, Sarah (DHHS) <lyoncallos@michigan.gov>
Sent: Monday, February 08, 2021 9:47 PM
To: Bagdasarian, Natasha (DHHS);McIntyre, Carmen (MDOC-Contractor);Collins, Jim (DHHS);Johnson, Shannon (DHHS);Sutfin, Lynn (DHHS);Washington, Heidi E. (MDOC);Khalidun, Joneigh (DHHS)
Cc: Gautz, Chris (MDOC);Henderson, Tiffany (DHHS);Weinberg, Meghan (DHHS);Sherry, Marti Kay (MDOC);Smoyer, Stephanie A. (MDOC);Hertel, Elizabeth (DHHS)
Subject: RE: MDOC variant

SUBJECT: SARS-CoV-2 B.1.1.7

On February 7, 2021, the Michigan Department of Health and Human Services (MDHHS) Bureau of Laboratories confirmed a positive COVID-19 case in a Michigan Department of Corrections (MDOC) employee as the SARS-CoV-2 B.1.1.7 variant.

Compared to the wild-type virus, the B.1.1.7 variant is approximately 50 percent more transmissible, leading to faster spread of the virus, potentially increased numbers of cases, additional hospitalizations, and deaths. Therefore, enhanced surveillance to identify this variant, particularly in a congregate setting, requires additional levels of public health intervention and mitigation measures.

In light of the recent increase in positive COVID-19 screening test results at the Bellamy Creek Correctional Facility (IBC) and given the potential for transmission of the variant strain within the IBC facility along with the possibility of further spread to other MDOC facilities or the community, MDHHS is recommending an aggressive response and mitigation strategy including the following:

- Cease all inmate transfers into and out of IBC
- Limit movement of inmates and staff within IBC
- Continue to restrict MDOC staff to a single facility
- Develop plans to allow transport staff to work safely in the instance that an emergency transfer is necessary
- For at least the next 14 days, test all staff and all inmates at IBC daily using BinaxNOW antigen tests
 - Transportation officers (IBC to MRF and DW) should be PCR tested as soon as possible
 - Include inmates and staff who have previously tested PCR or antigen positive in the past month
 - MDHHS will provide Binax antigen kits, with an initial shipment of 50,000 kits
- For any positive BinaxNOW tests, submit a second collected specimen to MDHHS Bureau of Laboratories for PCR and whole genome sequencing, if PCR positive
- Coordinate with the appropriate Local Health Department for positive employee case investigation and contact tracing using enhanced follow-up and quarantine (14-day).
- Coordinate with appropriate local health department for positive parolee cases (isolate per CDC guidance) and assumed close contact among parolees (14-day)
- Develop and distribute messaging to MDOC employees regarding the variant identification and outbreak status including recommendations on how to help protect their family and community

For further discussion and guidance, MDHHS is requesting the following:

- Floor plans and location descriptions of all IBC units
 - Especially important for units with current confirmed cases, including Units 3, 6, and 7
- A description of the HVAC system and type of ventilation currently being employed, including the potential for recirculated, unfiltered air to other cells or facility locations

- A heat map of rooms of positive cases to assist in identifying close contacts and help to characterize transmission

While it has been established that the B.1.1.7 variant is circulating in Michigan, MDHHS continues to recommend an aggressive public health response, especially in a congregate-type setting and the with the concern of increased transmissibility of the B.1.1.7 variant. A prompt response is critical and we look forward to continued discussions and information sharing between MDHHS and MDOC.

-----Original Appointment-----

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Sent: Monday, February 08, 2021 4:42 PM

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Cc: Gautz, Chris (MDOC); Henderson, Tiffany (DHHS); Weinberg, Meghan (DHHS); Sherry, Marti Kay (MDOC); Smoyer, Stephanie A. (MDOC); Hertel, Elizabeth (DHHS)

Subject: MDOC variant

When: Monday, February 08, 2021 5:00 PM-5:30 PM (UTC-05:00) Eastern Time (US & Canada).

Where: Microsoft Teams Meeting

Importance: High

Microsoft Teams meeting

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Becky Bennett

From: AShoyinka@ingham.org
Sent: Wednesday, February 10, 2021 10:50 AM
To: Weinberg, Meghan (DHHS)
Subject: Re: Potential Ingham epi-link to B.1.1.7
Attachments: mime-attachment

Thanks Meghan. I talked to Stephanie Smoyer a bit yesterday. I didn't see this memo but she told about what was in place.

Please keep me posted and Let me know if there is anything I need to do.

Nike Shoyinka MD MPH
Medical Director
Ingham County Health Department

Please excuse any typos
Sent from my iPhone

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Sent: Tuesday, February 9, 2021 4:29 PM

To: Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>; Linda Vail <lvail@ingham.org>; Adenike Shoyinka <ashoyinka@ingham.org>; Sumeer Qurashi <SQurashi@ingham.org>; Deneen Gallagher <DGallagher@ingham.org>; Colleen Harns <CHarns@ingham.org>; Amy Worges <AWorges@ingham.org>; Melissa Endres <MEndres@ingham.org>

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Subject: RE: Potential Ingham epi-link to B.1.1.7

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Update: Client reported test completed today.

Sparrow lab confirmed they received specimen and lab slips and will forward to BOL

Thank you,

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Thanks,
Meghan

Meghan Weinberg, PhD, MPH
Epidemiologist - Region 1
Surveillance and Infectious Disease Epidemiology Section
Michigan Department of Health and Human Services
Cell: (517) 749-2153

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Becky Bennett

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Sent: Monday, February 08, 2021 9:47 PM
To: Bagdasarian, Natasha (DHHS);McIntyre, Carmen (MDOC-Contractor);Collins, Jim (DHHS);Johnson, Shannon (DHHS);Sutfin, Lynn (DHHS);Washington, Heidi E. (MDOC);Khalidun, Joneigh (DHHS)
Cc: Gautz, Chris (MDOC);Henderson, Tiffany (DHHS);Weinberg, Meghan (DHHS);Sherry, Marti Kay (MDOC);Smoyer, Stephanie A. (MDOC);Hertel, Elizabeth (DHHS)
Subject: RE: MDOC variant

SUBJECT: SARS-CoV-2 B.1.1.7

On February 7, 2021, the Michigan Department of Health and Human Services (MDHHS) Bureau of Laboratories confirmed a positive COVID-19 case in a Michigan Department of Corrections (MDOC) employee as the SARS-CoV-2 B.1.1.7 variant.

Compared to the wild-type virus, the B.1.1.7 variant is approximately 50 percent more transmissible, leading to faster spread of the virus, potentially increased numbers of cases, additional hospitalizations, and deaths. Therefore, enhanced surveillance to identify this variant, particularly in a congregate setting, requires additional levels of public health intervention and mitigation measures.

In light of the recent increase in positive COVID-19 screening test results at the Bellamy Creek Correctional Facility (IBC) and given the potential for transmission of the variant strain within the IBC facility along with the possibility of further spread to other MDOC facilities or the community, MDHHS is recommending an aggressive response and mitigation strategy including the following:

- Cease all inmate transfers into and out of IBC
- Limit movement of inmates and staff within IBC
- Continue to restrict MDOC staff to a single facility
- Develop plans to allow transport staff to work safely in the instance that an emergency transfer is necessary
- For at least the next 14 days, test all staff and all inmates at IBC daily using BinaxNOW antigen tests
 - Transportation officers (IBC to MRF and DW) should be PCR tested as soon as possible
 - Include inmates and staff who have previously tested PCR or antigen positive in the past month
 - MDHHS will provide Binax antigen kits, with an initial shipment of 50,000 kits
- For any positive BinaxNOW tests, submit a second collected specimen to MDHHS Bureau of Laboratories for PCR and whole genome sequencing, if PCR positive
- Coordinate with the appropriate Local Health Department for positive employee case investigation and contact tracing using enhanced follow-up and quarantine (14-day).
- Coordinate with appropriate local health department for positive parolee cases (isolate per CDC guidance) and assumed close contact among parolees (14-day)
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For further discussion and guidance, MDHHS is requesting the following:

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 - Especially important for units with current confirmed cases, including Units 3, 6, and 7
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While it has been established that the B.1.1.7 variant is circulating in Michigan, MDHHS continues to recommend an aggressive public health response, especially in a congregate-type setting and the with the concern of increased transmissibility of the B.1.1.7 variant. A prompt response is critical and we look forward to continued discussions and information sharing between MDHHS and MDOC.

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To: Bagdasarian, Natasha (DHHS); McIntyre, Carmen (MDOC-Contractor); LyonCallo, Sarah (DHHS); Collins, Jim (DHHS); Johnson, Shannon (DHHS); Sutfin, Lynn (DHHS); Washington, Heidi E. (MDOC); Khaldun, Joneigh (DHHS)

Cc: Gautz, Chris (MDOC); Henderson, Tiffany (DHHS); Weinberg, Meghan (DHHS); Sherry, Marti Kay (MDOC); Smoyer, Stephanie A. (MDOC); Hertel, Elizabeth (DHHS)

Subject: MDOC variant

When: Monday, February 08, 2021 5:00 PM-5:30 PM (UTC-05:00) Eastern Time (US & Canada).

Where: Microsoft Teams Meeting

Importance: High

Microsoft Teams meeting

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[Learn More](#) | [Meeting options](#)

Becky Bennett

From: Adenike Shoyinka
Sent: Wednesday, February 10, 2021 10:50 AM
To: Weinberg, Meghan (DHHS)
Subject: Re: Potential Ingham epi-link to B.1.1.7
Attachments: RE: MDOC variant

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Please keep me posted and Let me know if there is anything I need to do.

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To: Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>; Wai Yi Leung <WLeung@ingham.org>; Linda Vail <lvail@ingham.org>; Sumeer Qurashi <SQurashi@ingham.org>; Deneen Gallagher <DGallagher@ingham.org>; Colleen Harns <CHarns@ingham.org>; Amy Worges <AWorges@ingham.org>; Melissa Endres <MEndres@ingham.org>
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Thanks Meghan for the info

Get [Outlook for iOS](#)

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Subject: MDOC variant

When: Monday, February 08, 2021 5:00 PM-5:30 PM (UTC-05:00) Eastern Time (US & Canada).

Where: Microsoft Teams Meeting

Importance: High

Microsoft Teams meeting

Join on your computer or mobile app

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Becky Bennett

From: Bowen, Ken <kbowen@ioniacounty.org>
Sent: Wednesday, February 10, 2021 3:09 PM
To: Adenike Shoyinka
Subject: FW: UPDATED MDOC NUMBERS

From: Keefer, Aimee <akeefer@ioniacounty.org>
Sent: Tuesday, February 9, 2021 11:37 AM
To: Bowen, Ken <kbowen@ioniacounty.org>; Shaw, Chad <cshaw@ioniacounty.org>
Subject: UPDATED MDOC NUMBERS

I HAVE UPDATED MY MDOC INFO-
AS OF MY LAST REPORT TO YOU ON 1/29/21:

IBC IS AT 456 INMATES; UP 80
ICF IS AT 293 INMATES; UP 1
MTU IS AT 879 INMATES; UP 2
RMI IS AT 881 INMATES; UP 45

IF YOU WANT/NEED ANY DIFFERENT INFO, JUST LET ME KNOW, I HAVE SPREADSHEETS FOR EACH PRISON.
IF YOU WANT NEED UPDATED INFO ON MDOC EMPLOYEES, LET ME KNOW....I NEED TO LOOK THAT UP DIFFERENTLY.

Aimee Keefer BSN, RN

Maternal Infant Health Program
Children's Special Health Care
Communicable Disease/STD & HIV

Ionia County Health Department
175 E. Adams St.
Ionia, MI 48846
616-527-5341 ext 443
akeefer@ioniacounty.org

Becky Bennett

From: AShoyinka@ingham.org
Sent: Wednesday, February 10, 2021 3:23 PM
To: Ken Bowen
Subject: Fwd: Potential Ingham epi-link to B.1.1.7
Attachments: mime-attachment

Nike Shoyinka MD MPH
Medical Director
Ingham County Health Department

Please excuse any typos
Sent from my iPhone

Begin forwarded message:

From: Adenike Shoyinka <AShoyinka@ingham.org>
Date: February 10, 2021 at 10:50:19 AM EST
To: "Weinberg, Meghan (DHHS)" <WeinbergM1@michigan.gov>
Subject: Re: Potential Ingham epi-link to B.1.1.7

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Sent: Tuesday, February 9, 2021 4:29 PM

To: Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>; Linda Vail <lvail@ingham.org>; Adenike Shoyinka <ashoyinka@ingham.org>; Sumeer Qurashi <SQurashi@ingham.org>; Deneen Gallagher <DGallagher@ingham.org>; Colleen Harns <CHarns@ingham.org>; Amy Worges <AWorges@ingham.org>; Melissa Endres <MEndres@ingham.org>

Cc: Henderson, Tiffany (DHHS) <HendersonT1@michigan.gov>; Johnson, Shannon (DHHS) <JohnsonS61@michigan.gov>; Collins, Jim (DHHS) <CollinsJ12@michigan.gov>; Brousseau, Geoffrey (DHHS-Contractor) <BrousseauG1@michigan.gov>

Subject: RE: Potential Ingham epi-link to B.1.1.7

CAUTION: This is an External email. Please send suspicious emails to
abuse@michigan.gov

Update: Client reported test completed today.

Sparrow lab confirmed they received specimen and lab slips and will forward to BOL

Thank you,

Winnie

From: Wai Yi Leung

Sent: Tuesday, February 9, 2021 3:44 PM

To: Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>; Linda Vail <LVail@ingham.org>; Adenike Shoyinka <AShoyinka@ingham.org>; Sumeer Qurashi <SQurashi@ingham.org>; Deneen Gallagher <DGallagher@ingham.org>; Colleen Harns <CHarns@ingham.org>; Amy Worges <AWorges@ingham.org>; Melissa Endres <MEndres@ingham.org>

Cc: Henderson, Tiffany (DHHS) <HendersonT1@michigan.gov>; Johnson, Shannon (DHHS) <JohnsonS61@michigan.gov>; Collins, Jim (DHHS) <CollinsJ12@michigan.gov>; Brousseau, Geoffrey (DHHS-Contractor) <BrousseauG1@michigan.gov>

Subject: RE: Potential Ingham epi-link to B.1.1.7

Dear all,

Sorry for the late reply, process have been set up for client [REDACTED] and his son [REDACTED] for re-swabbed at Sparrow center for laboratory medicine on patient care drive and direct to BOL for PCR and sequencing. Client was notified and planned to go to test site tomorrow. Contact tracing team was alerted to follow up with household contacts for 14 days quarantine measures from last exposure until test results available.

Thank you,

Winnie

From: Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>

Sent: Tuesday, February 9, 2021 6:59 AM

To: Linda Vail <LVail@ingham.org>; Adenike Shoyinka <AShoyinka@ingham.org>; Sumeer Qurashi <SQurashi@ingham.org>; Deneen Gallagher <DGallagher@ingham.org>; Colleen Harns <CHarns@ingham.org>; Wai Yi Leung <WLeung@ingham.org>; Amy Worges <AWorges@ingham.org>; Melissa Endres <MEndres@ingham.org>

Cc: Henderson, Tiffany (DHHS) <HendersonT1@michigan.gov>; Johnson, Shannon (DHHS) <JohnsonS61@michigan.gov>; Collins, Jim (DHHS) <CollinsJ12@michigan.gov>; Brousseau, Geoffrey (DHHS-Contractor) <BrousseauG1@michigan.gov>

Subject: Potential Ingham epi-link to B.1.1.7

Hi ICHD,

There's the potential that an Ingham case [REDACTED] is epi-linked to a B.1.1.7 variant case in Eaton [REDACTED]). The Eaton case had a presumptive positive PCR result collected on 1/4/21 and a second PCR positive result collected on 1/27/21. On Sunday, we learned the specimen collected 1/27/21 was the B.1.1.7 variant. BEDHD was unable to reach the client until yesterday. She reported yesterday that she works at MDOC IBC facility in Ionia and had an exposure to another MDOC IBC employee, Ingham case [REDACTED] on 1/26/21 and her onset on 1/27/21. The Ingham case's onset and positive PCR were on 1/25/21. It's unclear if the Eaton case exposed the Ingham case, vice versa, or if they are unrelated. However, given how transmissible B.1.1.7 is, we're recommending treating the Ingham case as a potential B.1.1.7 case in terms of control measures.

I've attached the MIHAN from 1/26 that describes recommendations in response to B.1.1.7 cases, which includes:

- Revisiting the case to make sure all close contacts were identified (which may include extending the communicable period from two days before onset to three days before onset).

- 14 day quarantine for close contacts (instead of 10 days)
- Testing of close contacts – specimens can be sent to BOL for PCR and sequencing (test req form attached)

It might also be wise to have the Ingham case re-swabbed and sent to BOL for PCR and sequencing to determine if it is the B.1.1.7 variant. It's possible that there won't be detectable virus because his onset was on 1/25/21, in which case we won't be able to obtain the sequence. But if he is still positive and it's not B.1.1.7, then we could walk back these enhanced control measures.

Thanks,
Meghan

Meghan Weinberg, PhD, MPH
Epidemiologist - Region 1
Surveillance and Infectious Disease Epidemiology Section
Michigan Department of Health and Human Services
Cell: (517) 749-2153

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Becky Bennett

From: Adenike Shoyinka
Sent: Wednesday, February 10, 2021 3:23 PM
To: Ken Bowen
Subject: Fwd: Potential Ingham epi-link to B.1.1.7
Attachments: RE: MDOC variant

Nike Shoyinka MD MPH
Medical Director
Ingham County Health Department

Please excuse any typos
Sent from my iPhone

Begin forwarded message:

From: Adenike Shoyinka <Ashoyinka@ingham.org>
Date: February 10, 2021 at 10:50:19 AM EST
To: "Weinberg, Meghan (DHHS)" <WeinbergM1@michigan.gov>
Subject: Re: Potential Ingham epi-link to B.1.1.7

Thanks Meghan. I talked to Stephanie Smoyer a bit yesterday. I didn't see this memo but she told about what was in place.
Please keep me posted and Let me know if there is anything I need to do.

Nike Shoyinka MD MPH
Medical Director
Ingham County Health Department

Please excuse any typos
Sent from my iPhone

On Feb 10, 2021, at 8:35 AM, Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov> wrote:

Nike, I had a brain lapse and forgot that you also cover Ionia, I'm sorry. Have you seen the attached memo on the recommendations to MDOC IBC for follow-up? It includes daily binax testing of all staff and employees with positive results reflexing to PCR at BOL and sequencing (if PCR positive).

From: Adenike Shoyinka <AShoyinka@ingham.org>
Sent: Wednesday, February 10, 2021 8:25 AM
To: Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>; Wai Yi Leung <WLeung@ingham.org>; Linda Vail <lvail@ingham.org>; Sumeer Qurashi <SQurashi@ingham.org>; Deneen Gallagher <DGallagher@ingham.org>; Colleen Harns <CHarns@ingham.org>; Amy Worges <AWorges@ingham.org>; Melissa Endres

<MEndres@ingham.org>

Cc: Brousseau, Geoffrey (DHHS-Contractor) <BrousseauG1@michigan.gov>

Subject: Re: Potential Ingham epi-link to B.1.1.7

CAUTION: This is an External email. Please send suspicious emails to
abuse@michigan.gov

Thanks Meghan for the info

Get [Outlook for iOS](#)

From: Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>
Sent: Wednesday, February 10, 2021 8:20:06 AM
To: Wai Yi Leung <WLeung@ingham.org>; Linda Vail <LVail@ingham.org>; Adenike Shoyinka <AShoyinka@ingham.org>; Sumeer Qurashi <SQurashi@ingham.org>; Deneen Gallagher <DGallagher@ingham.org>; Colleen Harns <CHarns@ingham.org>; Amy Worges <AWorges@ingham.org>; Melissa Endres <MEndres@ingham.org>
Cc: Brousseau, Geoffrey (DHHS-Contractor) <BrousseauG1@michigan.gov>
Subject: RE: Potential Ingham epi-link to B.1.1.7

Just an update on the Eaton case [REDACTED] – I learned she had three negative PCRs collected after her presumptive positive on 1/4 – including one taken the next day on 1/5 (others were 1/11 and 1/19). I wasn't confident about her reported onset date of 1/27 because the interview was difficult and delayed. But these negative PCRs make me feel more confident that her acute infection indeed was closer to 1/27. And therefore your Ingham case and her case are closely clustered together time wise. Also, MDOC started to see a pretty rapid increase in cases (90 cases) among inmates last week, further indicating a recent exposure. Just an FYI.

From: Wai Yi Leung <WLeung@ingham.org>
Sent: Tuesday, February 9, 2021 4:29 PM
To: Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>; Linda Vail <lvail@ingham.org>; Adenike Shoyinka <ashoyinka@ingham.org>; Sumeer Qurashi <SQurashi@ingham.org>; Deneen Gallagher <DGallagher@ingham.org>; Colleen Harns <CHarns@ingham.org>; Amy Worges <AWorges@ingham.org>; Melissa Endres <MEndres@ingham.org>
Cc: Henderson, Tiffany (DHHS) <HendersonT1@michigan.gov>; Johnson, Shannon (DHHS) <JohnsonS61@michigan.gov>; Collins, Jim (DHHS) <CollinsJ12@michigan.gov>; Brousseau, Geoffrey (DHHS-Contractor) <BrousseauG1@michigan.gov>
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Cc: Henderson, Tiffany (DHHS) <HendersonT1@michigan.gov>; Johnson, Shannon (DHHS) <JohnsonS61@michigan.gov>; Collins, Jim (DHHS) <CollinsJ12@michigan.gov>; Brousseau, Geoffrey (DHHS-Contractor) <BrousseauG1@michigan.gov>

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Thanks,
Meghan

Meghan Weinberg, PhD, MPH
Epidemiologist - Region 1
Surveillance and Infectious Disease Epidemiology Section
Michigan Department of Health and Human Services
Cell: (517) 749-2153

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Becky Bennett

From: LyonCallo, Sarah (DHHS) <lyoncallos@michigan.gov>
Sent: Monday, February 08, 2021 9:47 PM
To: Bagdasarian, Natasha (DHHS);McIntyre, Carmen (MDOC-Contractor);Collins, Jim (DHHS);Johnson, Shannon (DHHS);Sutfin, Lynn (DHHS);Washington, Heidi E. (MDOC);Khalidun, Joneigh (DHHS)
Cc: Gautz, Chris (MDOC);Henderson, Tiffany (DHHS);Weinberg, Meghan (DHHS);Sherry, Marti Kay (MDOC);Smoyer, Stephanie A. (MDOC);Hertel, Elizabeth (DHHS)
Subject: RE: MDOC variant

SUBJECT: SARS-CoV-2 B.1.1.7

On February 7, 2021, the Michigan Department of Health and Human Services (MDHHS) Bureau of Laboratories confirmed a positive COVID-19 case in a Michigan Department of Corrections (MDOC) employee as the SARS-CoV-2 B.1.1.7 variant.

Compared to the wild-type virus, the B.1.1.7 variant is approximately 50 percent more transmissible, leading to faster spread of the virus, potentially increased numbers of cases, additional hospitalizations, and deaths. Therefore, enhanced surveillance to identify this variant, particularly in a congregate setting, requires additional levels of public health intervention and mitigation measures.

In light of the recent increase in positive COVID-19 screening test results at the Bellamy Creek Correctional Facility (IBC) and given the potential for transmission of the variant strain within the IBC facility along with the possibility of further spread to other MDOC facilities or the community, MDHHS is recommending an aggressive response and mitigation strategy including the following:

- Cease all inmate transfers into and out of IBC
- Limit movement of inmates and staff within IBC
- Continue to restrict MDOC staff to a single facility
- Develop plans to allow transport staff to work safely in the instance that an emergency transfer is necessary
- For at least the next 14 days, test all staff and all inmates at IBC daily using BinaxNOW antigen tests
 - Transportation officers (IBC to MRF and DW) should be PCR tested as soon as possible
 - Include inmates and staff who have previously tested PCR or antigen positive in the past month
 - MDHHS will provide Binax antigen kits, with an initial shipment of 50,000 kits
- For any positive BinaxNOW tests, submit a second collected specimen to MDHHS Bureau of Laboratories for PCR and whole genome sequencing, if PCR positive
- Coordinate with the appropriate Local Health Department for positive employee case investigation and contact tracing using enhanced follow-up and quarantine (14-day).
- Coordinate with appropriate local health department for positive parolee cases (isolate per CDC guidance) and assumed close contact among parolees (14-day)
- Develop and distribute messaging to MDOC employees regarding the variant identification and outbreak status including recommendations on how to help protect their family and community

For further discussion and guidance, MDHHS is requesting the following:

- Floor plans and location descriptions of all IBC units
 - Especially important for units with current confirmed cases, including Units 3, 6, and 7
- A description of the HVAC system and type of ventilation currently being employed, including the potential for recirculated, unfiltered air to other cells or facility locations

- A heat map of rooms of positive cases to assist in identifying close contacts and help to characterize transmission

While it has been established that the B.1.1.7 variant is circulating in Michigan, MDHHS continues to recommend an aggressive public health response, especially in a congregate-type setting and the with the concern of increased transmissibility of the B.1.1.7 variant. A prompt response is critical and we look forward to continued discussions and information sharing between MDHHS and MDOC.

-----Original Appointment-----

From: Bagdasarian, Natasha (DHHS) <BagdasarianN@michigan.gov>

Sent: Monday, February 08, 2021 4:42 PM

To: Bagdasarian, Natasha (DHHS); McIntyre, Carmen (MDOC-Contractor); LyonCallo, Sarah (DHHS); Collins, Jim (DHHS); Johnson, Shannon (DHHS); Sutfin, Lynn (DHHS); Washington, Heidi E. (MDOC); Khaldun, Joneigh (DHHS)

Cc: Gautz, Chris (MDOC); Henderson, Tiffany (DHHS); Weinberg, Meghan (DHHS); Sherry, Marti Kay (MDOC); Smoyer, Stephanie A. (MDOC); Hertel, Elizabeth (DHHS)

Subject: MDOC variant

When: Monday, February 08, 2021 5:00 PM-5:30 PM (UTC-05:00) Eastern Time (US & Canada).

Where: Microsoft Teams Meeting

Importance: High

Microsoft Teams meeting

Join on your computer or mobile app

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Or call in (audio only)

[+1 248-509-0316,,580984821#](#) United States, Pontiac

Phone Conference ID: 580 984 821#

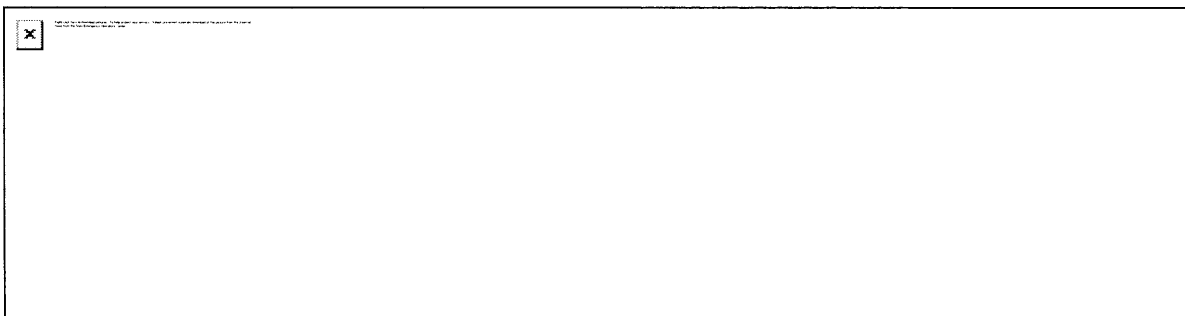
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[Learn More](#) | [Meeting options](#)

Becky Bennett

From: Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>
Sent: Wednesday, February 10, 2021 4:38 PM
To: Alex Bergmooser; Amanda Rockol; Amber Irrer; Anne Hanis; April Williams; Ashleigh Kolski; Brousseau, Geoffrey (DHHS-Contractor); bstoddard@mmdhd.org; Colleen Harns; Cynthia Tran; Dena Kent; Deneen Gallagher; Elaine Brown; Emma Harman; Hilary Pummill; Shelly Holtz; Jackie Anderson; Jamie Shepler; Jamie Wilkie; Jennifer Heslip; Jennifer J. Evans; Jennifer Johnson; Jennifer Mecomber; John Thottungal; Josi Rotunno; Kali Nichols; Karley McDonald; Kris Moyer; Wai Yi Leung; lharkness@shiawasseechd.net; Linda Weiman; lmikesell@mmdhd.org; Marji Nichols; Matthew Budd (mbudd@mijackson.org); Melissa Lautermilch; Mende Palmer; meredith.mackey@lenawee.mi.us; Melissa Endres; Natalie Johnson; Nicole Baran; Nicole Greenway (ngreenway@shiawasseechd.net); Nicole Moline; Nikki Karazim; Norm Keon; Patricia Raines; paula.ulrich; Rochelle Oshay; Samantha Soltis; Shajuana Tyson; Shymari Harris; Sierra Harns; Smoyer, Stephanie A. (MDOC); Sumeer Qurashi; Taylor Olsabeck; Teresa Spears; Theresa Enriquez; Tiffany Tyson; Tamara Jones; Tracy Payne (tpayne@mijackson.org); Wazhma Frotan; Whitnee Smith; Amy Worges; Wyki Pang; Yvonne Atwood; Matthew Price; Maureen Gibbons; D1MedDir; Hailey Brewer; Christine Hendrickson; Jennifer Casarez; Jim Cook; Jodi DeFrenn (jdefrenn@shiawasseechd.net); Lindsay Gestro; Stephanie Baker; Susie Dice (Susie.Dice@lenawee.mi.us); Colette Scrimger; Dennis Chernin; Dianne McCormick; J. Daniel Woodall; Jennifer Morse; Juan Marquez; Larry Johnson (Ljohnson@shiawasseechd.net); Lauren Vogell; Linda Vail; Marcus Cheatham; Martha Hall (martha.hall@lenawee.mi.us); Michael Foust; Rashmi Travis; burns; Adenike Shoyinka
Subject: FW: NEWS RELEASE: COVID Variant Detected in MDOC Facility in Ionia Prisoners, staff to begin daily testing

From: Michigan State Police <MichStatePolice@govsubscriptions.michigan.gov>
Sent: Wednesday, February 10, 2021 4:20 PM
To: Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>
Subject: NEWS RELEASE: COVID Variant Detected in MDOC Facility in Ionia Prisoners, staff to begin daily testing



COVID Variant Detected in MDOC Facility in Ionia *Prisoners, staff to begin daily testing*

IONIA MICH The Michigan Department of Corrections (MDOC) has learned of the detection of the

SARS-CoV-2, B.1.1.7 variant at the Bellamy Creek Correctional Facility in Ionia.

This is the first known case of the variant inside a MDOC facility. After consultation with the Michigan Department of Health and Human Services (MDHHS), all prisoners and employees there will now be tested daily, rather than the weekly testing they have been conducting.

B.1.1.7. is believed to be more contagious, but there has been no indication that it affects the clinical outcomes or disease severity compared to the SARS-CoV-2 virus that has been circulating across the United States for months. However, a higher rate of transmission could increase the number of people who need to be hospitalized or who lose their lives to COVID-19 should the new variant begin circulating widely in Michigan. To date, the virus has been identified in at least 34 other states and jurisdictions in the U.S. As of Wednesday, Feb. 10, there were 61 cases in 11 jurisdictions in Michigan.

"The MDOC will be taking extra steps to identify where this variant is present amongst staff and the prisoner population and we will continue to do everything we can to keep the prisoners, our staff and the community safe," MDOC Director Heidi Washington said.

Under an Emergency Public Health order issued by MDHHS today, it requires daily testing of all employees at a facility where an outbreak of special concern has been declared for at least 14 days.

This new testing regimen will consist of a daily rapid antigen test. If a test result comes back positive, then a PCR test will be taken and sent to the state lab for testing for the variant. This will also apply to certain prisoners and staff at Duane Waters Health Center and Macomb Correctional Facility.

Prior to the detection of the variant at IBC, several prisoners who tested positive for COVID-19 were transferred to Duane Waters Health Center and Macomb Correctional Facility. The department has designated COVID positive facilities to address COVID positive prisoners with health risk factors that may place them at higher risk for hospitalization or negative outcomes.

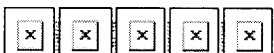
Those prisoners will also be subject to the daily testing, as well as all prisoners and staff in the COVID positive unit at Duane Waters Health Center and Macomb Correctional Facility. Based on available evidence, current tests and vaccines for COVID-19 also work against this new variant. Protective actions that prevent the spread of COVID-19 will also prevent the spread of the new variant, B.1.1.7.

Michiganders should: • Wash hands often. • Wear a mask around others. • Stay 6 feet apart from others. • Ventilate indoor spaces. • Make a plan to get the vaccine when the opportunity becomes available. Information around this outbreak is changing rapidly. The latest information is available at [Michigan.gov/Coronavirus](https://www.michigan.gov/Coronavirus) and [CDC.gov/Coronavirus](https://www.cdc.gov/Coronavirus). To learn more about the COVID-19 vaccine, visit [Michigan.gov/COVIDVaccine](https://www.michigan.gov/COVIDVaccine).

###

MEDIA CONTACT: [Chris Gautz](#), 517-256-3790

- [JIC News Release 431 - MDOC variant.pdf](#)



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This email was sent to weinbergm1@michigan.gov using GovDelivery Communications Cloud on behalf of: Michigan State Police - P.O. Box 30634 - Lansing, MI 48909

Becky Bennett

From: Adenike Shoyinka
Sent: Thursday, February 11, 2021 9:57 AM
To: Mamou, Fatema (DHHS); kbowen@ioniacounty.org
Subject: Re: Variant Case among a IBC Employee

Hi Fatema!

Checking in to see how many confirmed B117 variant cases at Bellamy prisons and if there are any other updates.

Thanks!

Get Outlook for iOS

From: Adenike Shoyinka <AShoyinka@ingham.org>
Sent: Tuesday, February 9, 2021 9:47:41 AM
To: Mamou, Fatema (DHHS) <MamouF@michigan.gov>; kbowen@ioniacounty.org <kbowen@ioniacounty.org>
Subject: Re: Variant Case among a IBC Employee

Thank you, Fateema, I am trying to get the ingham case retested.

Get Outlook for iOS

From: Mamou, Fatema (DHHS) <MamouF@michigan.gov>
Sent: Tuesday, February 9, 2021 9:33:18 AM
To: kbowen@ioniacounty.org <kbowen@ioniacounty.org>; Adenike Shoyinka <AShoyinka@ingham.org>
Subject: Variant Case among a IBC Employee

Hi Ken and Dr. Shoyinka –

You may hear directly from MDOC or someone higher up at MDHHS but I wanted make sure you know that Eaton County had their first B.1.1.7 variant in a client who was originally lost to follow-up [REDACTED] and finally able to be reached yesterday. She is an MDOC employee at IBC in Ionia. When MDOC was notified they said they've had 90 new inmate cases at IBC in the past week, suggesting potential B.1.1.7 transmission. According to MDOC, they haven't had any positive inmate cases in prior recent weeks.

The Eaton case has a complicated testing history. She had a presumptive positive PCR result (it was reported as inconclusive) collected on 1/4/21. It looks like she was retested on 1/5/21 and was negative. She had a PCR positive result collected on 1/27/21. She told MDOC she was negative on 1/5/21 (she did not share the inconclusive result) and they allowed her to work. She was asymptomatic at that time. She says she was exposed to another MDOC employee (Ingham [REDACTED]) on 1/26 and became symptomatic on 1/27. Started quarantine/isolation on 1/26.

There was an MDHHS/MDOC call late yesterday to discuss recommendations (I was not on it). I have been told that MDHHS is recommending an aggressive response and mitigation strategy given the potential for transmission of the variant strain within the IBC facility along with the possibility of further spread to other MDOC facilities or the community. This will include daily testing of all staff and prisoners for at least the next 14 days.

MDOC is planning a press release regarding this variant case in the prison.

If I get additional information I will share it. Please let me know if you have any questions.

Thank you!

Fatema

Fatema Mamou, MPH
Region 6 Epidemiologist
Surveillance and Infectious Disease Epidemiology Section
Bureau of Epidemiology and Population Health, Michigan Department of Health and Human Services
Physical Address: Kent County Health Department, 700 Fuller Ave NE, Grand Rapids, MI 49503
Ph: 616-632-7245 - Cell: 517-204-6086 E-mail: mamouf@michigan.gov

**Due to COVID-19, I am working remotely. Please contact me via cell # or e-mail for the most prompt response.*

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Becky Bennett

From: Adenike Shoyinka
Sent: Thursday, February 11, 2021 10:18 AM
To: Bagdasarian, Natasha (DHHS-Contractor)
Subject: B117 outbreak

Good morning,

I am just checking in about the COVID outbreak at the Bellamy prison.

I am hoping to get some updates about number of b117 confirmed cases and anything else.

I am medical director at Ionia HD too and so I just want to make sure I'm looped in, since we have a lot of MDOC staff who live in Ionia. I realize that this is primarily an MDOC managed operation.

We are happy to help as needed.

Best,
Nike Shoyinka
517-712-0646

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Becky Bennett

From: Bagdasarian, Natasha (DHHS) <BagdasarianN@michigan.gov>
Sent: Thursday, February 11, 2021 10:20 AM
To: Adenike Shoyinka
Cc: LyonCallo, Sarah (DHHS); Collins, Jim (DHHS)
Subject: RE: B117 outbreak

Hi Nike,

That seems like a good idea to keep you in the loop!

Copying in my colleagues from EPI. I am hoping we can get a meeting with MDOC arranged today, and will let you know on further details.

Thanks for reaching out!

Natasha

Natasha Bagdasarian MD, MPH
Senior Public Health Physician
Michigan Department of Health and Human Services
Email: BagdasarianN@michigan.gov

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From: Adenike Shoyinka <AShoyinka@ingham.org>
Sent: Thursday, February 11, 2021 10:18 AM
To: Bagdasarian, Natasha (DHHS) <BagdasarianN@michigan.gov>
Subject: B117 outbreak

CAUTION: This is an External email. Please send suspicious emails to abuse@michigan.gov

Good morning,

I am just checking in about the COVID outbreak at the Bellamy prison.

I am hoping to get some updates about number of b117 confirmed cases and anything else.

I am medical director at Ionia HD too and so I just want to make sure I'm looped in, since we have a lot of MDOC staff who live in Ionia. I realize that this is primarily an MDOC managed operation.

We are happy to help as needed.

Best,
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Becky Bennett

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Sent: Thursday, February 11, 2021 10:21 AM
To: Bagdasarian, Natasha (DHHS)
Cc: LyonCallo, Sarah (DHHS); Collins, Jim (DHHS)
Subject: Re: B117 outbreak

Thank you!

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From: Bagdasarian, Natasha (DHHS) <BagdasarianN@michigan.gov>
Sent: Thursday, February 11, 2021 10:20:25 AM
To: Adenike Shoyinka <AShoyinka@ingham.org>
Cc: LyonCallo, Sarah (DHHS) <lyoncallos@michigan.gov>; Collins, Jim (DHHS) <CollinsJ12@michigan.gov>
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517-712-0646

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Becky Bennett

From: LyonCallo, Sarah (DHHS) <lyoncallos@michigan.gov>
Sent: Thursday, February 11, 2021 10:23 AM
To: Bagdasarian, Natasha (DHHS); Adenike Shoyinka; Weinberg, Meghan (DHHS); Mamou, Fatema (DHHS)
Cc: Collins, Jim (DHHS)
Subject: Re: B117 outbreak

Looping in regional epis so dr shoyinka has direct contact

From: Bagdasarian, Natasha (DHHS) <BagdasarianN@michigan.gov>
Sent: Thursday, February 11, 2021 10:20:25 AM
To: Adenike Shoyinka <ashoyinka@ingham.org>
Cc: LyonCallo, Sarah (DHHS) <lyoncallos@michigan.gov>; Collins, Jim (DHHS) <CollinsJ12@michigan.gov>
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To: Bagdasarian, Natasha (DHHS) <BagdasarianN@michigan.gov>
Subject: B117 outbreak

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517-712-0646

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Becky Bennett

From: Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>
Sent: Thursday, February 11, 2021 10:53 AM
To: Mamou, Fatema (DHHS); Brousseau, Geoffrey (DHHS-Contractor); Adenike Shoyinka
Subject: Fwd: Status
Attachments: Copy of Variant Testing Totals.xlsx

From: Sherry, Marti Kay (MDOC) <SHERRYM@michigan.gov>
Sent: Wednesday, February 10, 2021 7:26:26 PM
To: LyonCallo, Sarah (DHHS) <lyoncallos@michigan.gov>; Washington, Heidi E. (MDOC) <WashingtonM6@michigan.gov>; Khaldun, Joneigh (DHHS) <KhaldunJ@michigan.gov>; Bagdasarian, Natasha (DHHS) <BagdasarianN@michigan.gov>
Cc: McIntyre, Carmen (MDOC-Contractor) <McIntyreC1@michigan.gov>; Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>; Collins, Jim (DHHS) <CollinsJ12@michigan.gov>; Johnson, Shannon (DHHS) <JohnsonS61@michigan.gov>; Henderson, Tiffany (DHHS) <HendersonT1@michigan.gov>; Smoyer, Stephanie A. (MDOC) <SmoyerS@michigan.gov>
Subject: RE: Status

Attached is the report with testing information from the three facilities.

Any questions let me know.

Marti Kay

From: LyonCallo, Sarah (DHHS) <lyoncallos@michigan.gov>
Sent: Wednesday, February 10, 2021 10:19 AM
To: Sherry, Marti Kay (MDOC) <SHERRYM@michigan.gov>; Washington, Heidi E. (MDOC) <WashingtonM6@michigan.gov>; Khaldun, Joneigh (DHHS) <KhaldunJ@michigan.gov>; Foster, Tricia <FosterT13@michigan.gov>; Bagdasarian, Natasha (DHHS) <BagdasarianN@michigan.gov>
Cc: McIntyre, Carmen (MDOC-Contractor) <McIntyreC1@michigan.gov>; Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>; Collins, Jim (DHHS) <CollinsJ12@michigan.gov>; Johnson, Shannon (DHHS) <JohnsonS61@michigan.gov>; Henderson, Tiffany (DHHS) <HendersonT1@michigan.gov>; Smoyer, Stephanie A. (MDOC) <SmoyerS@michigan.gov>
Subject: RE: Status

Thank you Marti Kay. That is much appreciated.

From: Sherry, Marti Kay (MDOC) <SHERRYM@michigan.gov>
Sent: Wednesday, February 10, 2021 9:54 AM
To: Washington, Heidi E. (MDOC) <WashingtonM6@michigan.gov>; Khaldun, Joneigh (DHHS) <KhaldunJ@michigan.gov>; Foster, Tricia <FosterT13@michigan.gov>; LyonCallo, Sarah (DHHS) <lyoncallos@michigan.gov>; Bagdasarian, Natasha (DHHS) <BagdasarianN@michigan.gov>
Cc: McIntyre, Carmen (MDOC-Contractor) <McIntyreC1@michigan.gov>; Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>; Collins, Jim (DHHS) <CollinsJ12@michigan.gov>; Johnson, Shannon (DHHS) <JohnsonS61@michigan.gov>; Henderson, Tiffany (DHHS) <HendersonT1@michigan.gov>; Smoyer, Stephanie A. (MDOC) <SmoyerS@michigan.gov>
Subject: RE: Status

Good morning,

I am working on a formal report that contains all the information we are collecting and discussed. We are working on that now and I will have the total numbers of binax tests, the PCRs that went to the labs, etc. Our facilities are reporting first thing in the morning to account for their third shift. I will have something out before noon each day.

If you have questions or want more specific items other than what was discussed please let me know.

Thanks,

Marti Kay

From: Washington, Heidi E. (MDOC) <WashingtonM6@michigan.gov>

Sent: Tuesday, February 9, 2021 7:38 PM

To: Khaldun, Joneigh (DHHS) <KhaldunJ@michigan.gov>; Foster, Tricia <FosterT13@michigan.gov>; LyonCallo, Sarah (DHHS) <lyoncallos@michigan.gov>; Bagdasarian, Natasha (DHHS) <BagdasarianN@michigan.gov>

Cc: McIntyre, Carmen (MDOC-Contractor) <McIntyreC1@michigan.gov>; Sherry, Marti Kay (MDOC) <SHERRYM@michigan.gov>

Subject: FW: Status

FYI

Below are the results of our prisoner testing at Bellamy Creek today. As you can see, quite a few out of HU 7 (as well as 6). We will continue to keep you advised.

From: Macauley, Matthew (MDOC)

Sent: Tuesday, February 9, 2021 6:27 PM

To: Washington, Heidi E. (MDOC) <WashingtonM6@michigan.gov>

Cc: Walczak, Mike (MDOC) <Walczakm@michigan.gov>

Subject: RE: Status

Testing Complete. Total of 78 prisoner positives.

Unit test results ;

HU-1 Segregation	0 positive, 1 refusal
HU-2 Specialized Housing	0 Positive
HU-3 Level II GP	1 positive
HU-4 Level IV GP	1 positive
HU-5 Level IV GP	0 positive
HU-6 Level II GP	30 positive
HU-7 Level II GP	43 positive
HU-8 TS	2 positive

Dorm:

C-Unit	1 positive
--------	------------

From: Washington, Heidi E. (MDOC) <WashingtonM6@michigan.gov>
Sent: Tuesday, February 9, 2021 5:15 PM
To: Macauley, Matthew (MDOC) <MacauleyM@michigan.gov>
Subject: Status

Let me know when you have the final prisoner positive numbers by unit

Date	Facility	Staff Binax	Staff Binax Negative	Staff Binax Positive	Prisoner Binax	Prisoner Binax Negative
2/9/2021	RGC	9	9	0	0	0
	MRF	0	0	0	0	0
	IBC	245	244	1	1528	1441
2/10/2021	RGC					
	MRF					
	IBC					
2/11/2021	RGC					
	MRF					
	IBC					
2/12/2021	RGC					
	MRF					
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2/13/2021	RGC					
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BOL testing	
Total Staff BOL	Total Prisoner BOL
38	296

Becky Bennett

From: Mamou, Fatema (DHHS) <MamouF@michigan.gov>
Sent: Thursday, February 11, 2021 11:03 AM
To: Adenike Shoyinka; kbowen@ioniacounty.org
Subject: RE: Variant Case among a IBC Employee

Hi Dr. Shoyinka –

Binax testing from testing of all staff and prisoners at IBC on 2/9/2020 revealed 1 staff positive out of 245 staff and 87 prisoners who are positive out of 1528.

From the spreadsheet it looks like there were also 27 staff samples and 221 prisoner samples that have been sent to BOL and we don't have the results yet. I may be able to take a look to see how many are positive.

All positive Binax samples have been sent to BOL for PCR testing and sequencing.

Sequencing should be done in 7 days. BOL has said that there are some "S-drops" on the samples they have tested so far (that can be shown by PCR testing) so I would expect there is going to be a good proportion of those prisoners who are infected with the B.117 variant when sequencing is complete.

I am supposed to hear directly from BOL when those sequencing results are done so I will make sure I let you and Ken know those results.

If there is anything I can do in the meantime please let me know.

Thanks!
Fatema

From: Adenike Shoyinka <AShoyinka@ingham.org>
Sent: Thursday, February 11, 2021 9:57 AM
To: Mamou, Fatema (DHHS) <MamouF@michigan.gov>; kbowen@ioniacounty.org
Subject: Re: Variant Case among a IBC Employee

CAUTION: This is an External email. Please send suspicious emails to abuse@michigan.gov

Hi Fatema!

Checking in to see how many confirmed B117 variant cases at Bellamy prisons and if there are any other updates.
Thanks!

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From: Adenike Shoyinka <AShoyinka@ingham.org>
Sent: Tuesday, February 9, 2021 9:47:41 AM
To: Mamou, Fatema (DHHS) <MamouF@michigan.gov>; kbowen@ioniacounty.org <kbowen@ioniacounty.org>
Subject: Re: Variant Case among a IBC Employee

Thank you, Fateema, I am trying to get the ingham case retested.

Get Outlook for iOS

From: Mamou, Fatema (DHHS) <MamouF@michigan.gov>
Sent: Tuesday, February 9, 2021 9:33:18 AM
To: kbowen@ioniacounty.org <kbowen@ioniacounty.org>; Adenike Shoyinka <AShoyinka@ingham.org>
Subject: Variant Case among a IBC Employee

Hi Ken and Dr. Shoyinka –

You may hear directly from MDOC or someone higher up at MDHHS but I wanted make sure you know that Eaton County had their first B.1.1.7 variant in a client who was originally lost to follow-up [REDACTED] and finally able to be reached yesterday. She is an MDOC employee at IBC in Ionia. When MDOC was notified they said they've had 90 new inmate cases at IBC in the past week, suggesting potential B.1.1.7 transmission. According to MDOC, they haven't had any positive inmate cases in prior recent weeks.

The Eaton case has a complicated testing history. She had a presumptive positive PCR result (it was reported as inconclusive) collected on 1/4/21. It looks like she was retested on 1/5/21 and was negative. She had a PCR positive result collected on 1/27/21. She told MDOC she was negative on 1/5/21 (she did not share the inconclusive result) and they allowed her to work. She was asymptomatic at that time. She says she was exposed to another MDOC employee (Ingham [REDACTED]) on 1/26 and became symptomatic on 1/27. Started quarantine/isolation on 1/26.

There was an MDHHS/MDOC call late yesterday to discuss recommendations (I was not on it). I have been told that MDHHS is recommending an aggressive response and mitigation strategy given the potential for transmission of the variant strain within the IBC facility along with the possibility of further spread to other MDOC facilities or the community. This will include daily testing of all staff and prisoners for at least the next 14 days.

MDOC is planning a press release regarding this variant case in the prison.

If I get additional information I will share it. Please let me know if you have any questions.

Thank you!
Fatema

Fatema Mamou, MPH
Region 6 Epidemiologist
Surveillance and Infectious Disease Epidemiology Section
Bureau of Epidemiology and Population Health, Michigan Department of Health and Human Services
Physical Address: Kent County Health Department, 700 Fuller Ave NE, Grand Rapids, MI 49503
Ph: 616-632-7245 - Cell: 517-204-6086 E-mail: mamouf@michigan.gov

**Due to COVID-19, I am working remotely. Please contact me via cell # or e-mail for the most prompt response.*

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Becky Bennett

From: Adenike Shoyinka
Sent: Thursday, February 11, 2021 11:57 AM
To: Mamou, Fatema (DHHS); kbowen@ioniacounty.org
Subject: Re: Variant Case among a IBC Employee

Thanks, Fatema!

This is helpful. I am just curious as to how many of the jail inmates are confirmed B117 cases. I'll be on the look out for the sequencing results.

Get [Outlook for iOS](#)

From: Mamou, Fatema (DHHS) <MamouF@michigan.gov>
Sent: Thursday, February 11, 2021 11:03:29 AM
To: Adenike Shoyinka <AShoyinka@ingham.org>; kbowen@ioniacounty.org <kbowen@ioniacounty.org>
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To: kbowen@ioniacounty.org <kbowen@ioniacounty.org>; Adenike Shoyinka <AShoyinka@ingham.org>
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Fatema

Fatema Mamou, MPH
Region 6 Epidemiologist
Surveillance and Infectious Disease Epidemiology Section
Bureau of Epidemiology and Population Health, Michigan Department of Health and Human Services
Physical Address: Kent County Health Department, 700 Fuller Ave NE, Grand Rapids, MI 49503
Ph: 616-632-7245 - Cell: 517-204-6086 E-mail: mamouf@michigan.gov

**Due to COVID-19, I am working remotely. Please contact me via cell # or e-mail for the most prompt response.*

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Becky Bennett

From: Adenike Shoyinka
Sent: Friday, February 12, 2021 11:29 AM
To: Bowen, Ken; Brummette, Brittnei; May, Christine; Nethercott, Tori; Brinks, Laura; Keefer, Aimee
Cc: Bevington, Jamie; Shaull-Norman, Peggy; Shaw, Chad
Subject: Re: prison cases

Thank you, this works.
#1, #2 and #3 are the critical pieces.
Have a great weekend, everyone!

[Get Outlook for iOS](#)

From: Bowen, Ken <kbowen@ioniacounty.org>
Sent: Friday, February 12, 2021 9:34:04 AM
To: Brummette, Brittnei <bbrummette@ioniacounty.org>; May, Christine <cmay@ioniacounty.org>; Nethercott, Tori <tnethercott@ioniacounty.org>; Brinks, Laura <lbrinks@ioniacounty.org>; Keefer, Aimee <akeefer@ioniacounty.org>
Cc: Bevington, Jamie <jbevington@ioniacounty.org>; Shaull-Norman, Peggy <psnorman@ioniacounty.org>; Adenike Shoyinka <AShoyinka@ingham.org>; Shaw, Chad <cshaw@ioniacounty.org>
Subject: prison cases

Hello All,

Follow-up from our meeting this morning, here is how we will handle prison-related cases until further notice:

- 1) Any case linked to the prisons must be assumed to be a variant case unless/until genotyping shows otherwise.
- 2) Isolation for positive cases is 10 days from onset (or test if no symptoms).
- 3) Quarantine for close contacts is the full 14 days – 10 days is not an option.
- 4) Each positive individual will receive two phone calls, a PEG text, and a letter in an attempt to make contact.
- 5) Phone calls are necessary even if PEG is filled out – we must attempt to collect close contacts.
- 6) We will check in with positive cases on day 10 of isolation.
- 7) Contacts will continue to be handled by Traceforce unless pushed back to us.
- 8) A list of positive/close contact prison staff will be sent to me each day so that I can forward to MDOC leadership.
- 9) MDOC HR will also (hopefully) be sending us a list each day so that we can cross-reference.

Please reply to the group if you would like to add something or if I have forgotten something. I have cc'ed Dr. Shoyinka for her situation awareness and so she can add anything is she so desires.

Thank You,

Ken

Ken Bowen
Health Officer/Director of Environmental Health
Ionia County Health Department
(616) 527-5341
(616) 527-8202 (fax)

Becky Bennett

From: Bowen, Ken <kbowen@ioniacounty.org>
Sent: Friday, February 12, 2021 3:55 PM
To: Adenike Shoyinka
Subject: FW: urgent question

From: Keefer, Aimee <akeefer@ioniacounty.org>
Sent: Friday, February 12, 2021 2:58 PM
To: Bowen, Ken <kbowen@ioniacounty.org>; Brummette, Brittini <bbrummette@ioniacounty.org>; Nethercott, Tori <tnethercott@ioniacounty.org>; Brinks, Laura <lbrinks@ioniacounty.org>; May, Christine <cmay@ioniacounty.org>
Subject: RE: urgent question

I HAVE NOT SPOKEN WITH ANYONE WHO IS A DISPATCHER, BUT IT SOUNDS LIKE SHE COULD BE THE SPOUSE OF AN MDOC IBC EMPLOYEE. I BELIEVE LAURIE & BRITTNI HAVE SPOKEN WITH A COUPLE CASES...

I THINK THE STICKY POINT IS SHE HAS HAD HER VACCINE....PER THE NEW CDC/MDHHS GUIDANCE THERE, FOR CONTACTS, IF SHE HAS HAD BOTH DOSES, AND IS MORE THAN 14 DAYS PAST THE SECOND DOSE, SHE DOESN'T NEED TO QUARANTINE. HOW DOES THIS WORK WITH THE CONTACT RULES FOR THE VARIANT?? OTHERWISE, SHE WOULD BE HIS 10 DAYS, THEN HER 14 FOR TOTAL OF 24, RIGHT?

From: Bowen, Ken <kbowen@ioniacounty.org>
Sent: Friday, February 12, 2021 1:48 PM
To: Brummette, Brittini <bbrummette@ioniacounty.org>; Nethercott, Tori <tnethercott@ioniacounty.org>; Keefer, Aimee <akeefer@ioniacounty.org>; Brinks, Laura <lbrinks@ioniacounty.org>; May, Christine <cmay@ioniacounty.org>
Subject: FW: urgent question

See below – anyone know anything?

From: Adenike Shoyinka <AShoyinka@ingham.org>
Sent: Friday, February 12, 2021 1:44 PM
To: Bowen, Ken <kbowen@ioniacounty.org>
Subject: Fwd: urgent question

Do you know anything about this case?
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From: Christine Hendrickson <hep_hendrickson@ingham.org>
Sent: Friday, February 12, 2021 1:41:03 PM
To: Adenike Shoyinka <AShoyinka@ingham.org>
Subject: FW: urgent question

I'm wondering if you would be able to advise Terri?

From: Terri Thornberry <TThornberry@ingham.org>
Sent: Friday, February 12, 2021 1:36 PM
To: Linda Vail <LVail@ingham.org>; Christine Hendrickson <hep_hendrickson@ingham.org>

Cc: Terri Thornberry <TThornberry@ingham.org>; Melissa Harris <MHarris@ingham.org>; Jeffrey Thornton <JThornton@ingham.org>; Teri Morton <TMorton@ingham.org>; Gregg Todd <GTodd@ingham.org>; Sue Graham <SGraham@ingham.org>

Subject: urgent question

Importance: High

Ingham Team:

Ingham Co. 9-1-1 management was advised on Tuesday of this week that a [REDACTED] was diagnosed with a Variant of COVID. [REDACTED], who was on duty was notified by her husband via a phone call. Immediately the management team sent [REDACTED] home and cleaned [REDACTED] console and equipment along with all the common touchpoints within the center.

[REDACTED] spoke to Ionia Co Health Department and they told her she needs to quarantine for 28 days. As long as she is still healthy does she need to do what Ionia says or does Ingham have a different standard? [REDACTED] called one of our supervisors yesterday to advise that she was getting tested, but had no symptoms. [REDACTED] has received her two vaccine shots. Another question is she to remain in the quarantine for 10 days or 28 days as noted above due to this being a Variant or with the two shots she has received can we schedule her?

We need a definitive direction as to what to do with our dispatcher regarding returning to work.

Thank you

Terri



Terri Thornberry, CMCP
9-1-1 Director
Ingham County 9-1-1 Central Dispatch
710 E. Jolly Rd | Lansing, MI 48910-6832
517-604-3010 Cell
517-244-8100 Landline | tthornberry@ingham.org
www.911.ingham.org | Follow us on Facebook: @inghamco911

"Provide exemplary service, safeguard life and well-being, align resources with those in need"

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Becky Bennett

From: Mamou, Fatema (DHHS) <MamouF@michigan.gov>
Sent: Friday, February 12, 2021 7:12 PM
To: May, Christine; kbowen@ioniacounty.org; Aimee Keefer; Brinks, Laura; Adenike Shoyinka
Subject: COVID-19 Positive MDOC IBC Employees

Hello –

Due to the variant case found among a MDOC employee at the Bellamy Creek facility MDHHS is asking that LHDs re-visit the case investigations of employees who have recently tested positive for COVID-19. We are asking that LHDs confirm that isolation was met appropriately, re-check for contacts, actively confirm quarantine and collect specimens from close contacts for testing/sequencing. At the MDHHS we are of course, available to discuss further at your convenience. Below I have copied information from the MIHAN message regarding variant's that was sent on January 26th.

Additionally, going forward we are asking that any future cases among employees be followed by public health as described in the MIHAN below.

Specimens from positive employees are being sent to the MDHHS BOL for sequencing and we will inform LHDs of any cases whose specimens are positive for the variant strain.

Here is a list of recent positive IBC employees who live in Ionia

Reportable_Condition	Case_Status	Investigation_Status	Investigation_ID	Onset_Date	Referral_Date	Investigation_
Novel Coronavirus COVID-19	Confirmed	Completed			1/22/2021	Ionia
Novel Coronavirus COVID-19	Confirmed	Completed			2/2/2021	Ionia
Novel Coronavirus COVID-19	Confirmed	Completed		2/3/2021	2/4/2021	Ionia
Novel Coronavirus COVID-19	Confirmed	Active			2/9/2021	Ionia
Novel Coronavirus COVID-19	Confirmed	Active			2/9/2021	Ionia
Novel Coronavirus COVID-19	Confirmed	Completed		2/8/2021	2/9/2021	Ionia
Novel Coronavirus COVID-19	Confirmed	Completed - Follow Up		2/6/2021	2/9/2021	Ionia
Novel Coronavirus COVID-19	Confirmed	Completed			2/9/2021	Ionia

If there is anything I can do please let me know.

Thank you!
Fatema

On January 26, MDHHS shared a Health Alert Network message about the introduction of the B.1.1.7 variant to Michigan's population that included the following messaging:

The SARS-CoV-2 B.1.1.7 variant is thought to have emerged in the United Kingdom and has since been detected in many countries and states. This variant is concerning because it is associated with increased transmissibility. Compared to the wild-type virus, the B.1.1.7 variant is approximately 50 percent more transmissible, leading to faster spread of the virus and potentially increasing numbers of cases, hospitalizations, and deaths. Therefore, additional levels of public health intervention are required once the variant has been identified.

Fundamentally, this is a race for coverage of our population; a race that pits vaccination efforts against the transmission of infections. In this effort, public health is working to minimize both the known serious consequences of COVID-19 infections, as well as the over-all impacts on our limited healthcare resources. The B.1.1.7 variant offers the infection a speed boost in this race, which must be accounted for in our public health response. Efforts to slow transmission will allow for more of our population to be protected through vaccination.

Public health mitigation measures aimed to minimize the impact of this variant strain in our communities include the following recommendations.

When evaluating a confirmed or probable COVID-19 case or a contact with any possible epidemiologic links to a confirmed variant case, variant infection should be assumed -- an assumption that requires immediate and decisive action involving case isolation, identification of all possible contacts, and quarantine.

- The collection of all travel, exposure, and contact information during case investigations is critical in evaluating risk of variant infection.
- Strictly enforce isolation and quarantine protocols

During the isolation of B.1.1.7 variant infections and the quarantine of associated contacts, enhanced monitoring, including twice daily check-ins, is strongly recommended. Cases and close contacts should be educated about the increased risk of transmission with the variant strain.

Strict enforcement and assurance of full 14-day quarantine period with monitoring, regardless of the symptom status of any close contacts of possible variant infections.

Employ active efforts to identify all possible contacts of cases with consideration to expanding the infectious period based on symptoms and testing. The inclusion of an extra day before onset may help identify additional persons infected with the variant virus.

- Emphasize testing in affected areas
- Expand testing capacity in areas where the variant has been detected.
- Work closely with affected communities on messaging around testing.
- Actively work to obtain testing for exposed individuals, particularly those that are known to have been exposed to the variant strain.
- Promote submission of isolates for genetic sequencing
 - Guidance and forms supporting specimen collection have been provided to Michigan Laboratory Directors and are attached to this communication.
 - Appropriate Specimens for Sequencing
 - SARS-CoV-2 residual samples, at least 500 ul, to be frozen and sent to the state laboratory in the specimen tube on a weekly basis.
 - Acceptable specimens for the Novel 2019 Coronavirus (SARS-CoV-2) sequencing analysis are
 - Nasopharyngeal swabs in viral transport medium, Amies Transport Media, or PBS;
 - Nasal swabs in viral transport medium, Amies Transport Media, or PBS;
 - OP swabs in viral transport medium, Amies Transport Media, or PBS;
 - Nasal aspirates;
 - Mid-turbinate swabs in viral transport medium, Amies Transport Media, or PBS;
 - Sputum.

- Promote testing of individuals who have traveled out of Michigan in last 14 days, especially to areas in which the new variants are widely circulating. This should be emphasized in all regions, even those in which the variant has not yet been identified.

Fundamentally,

Fatema Mamou, MPH
Region 6 Epidemiologist
Surveillance and Infectious Disease Epidemiology Section
Bureau of Epidemiology and Population Health, Michigan Department of Health and Human Services
Physical Address: Kent County Health Department, 700 Fuller Ave NE, Grand Rapids, MI 49503
Ph: 616-632-7245 - Cell: 517-204-6086 E-mail: mamouf@michigan.gov

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MDOC is aware of these test results. They are planning to release this data to the media but I am not sure when or how. If you do get questions you can refer them to MDHHS or MDOC.

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Fatema

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I am supposed to hear directly from BOL when those sequencing results are done so I will make sure I let you and Ken know those results.

If there is anything I can do in the meantime please let me know.

Thanks!
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Hi Fatema!
Checking in to see how many confirmed B117 variant cases at Bellamy prisons and if there are any other updates.
Thanks!

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To: kbowen@ioniacounty.org <kbowen@ioniacounty.org>; Adenike Shoyinka <AShoyinka@ingham.org>
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MDOC is planning a press release regarding this variant case in the prison.

If I get additional information I will share it. Please let me know if you have any questions.

Thank you!

Fatema

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Region 6 Epidemiologist
Surveillance and Infectious Disease Epidemiology Section
Bureau of Epidemiology and Population Health, Michigan Department of Health and Human Services
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Becky Bennett

From: Bowen, Ken <kbowen@ioniacounty.org>
Sent: Tuesday, February 16, 2021 4:25 PM
To: Mamou, Fatema (DHHS); Adenike Shoyinka
Subject: RE: Variant Case among a IBC Employee

Hello Fatema,

Is there anything specific that you suggest we do?

Ken

From: Mamou, Fatema (DHHS) <MamouF@michigan.gov>
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Sent: Tuesday, February 16, 2021 4:45 PM
To: kbowen@ioniacounty.org; Adenike Shoyinka
Subject: RE: Variant Case among a IBC Employee
Attachments: B.1.1.7 variant detected in Kent County

I don't think there is anything specific that you need to do. I think this was not unexpected given that first case among the employee and the subsequent outbreak among prisoners.

In response to the variant case in Kent they did send out a MIHAN to their providers (attached). It may be something to consider sending to your providers as well.

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Subject: Variant Case among a IBC Employee

Hi Ken and Dr. Shoyinka –

You may hear directly from MDOC or someone higher up at MDHHS but I wanted make sure you know that Eaton County had their first B1.1.1.7 variant in a client who was originally lost to follow-up [REDACTED] and finally able to be reached yesterday. She is an MDOC employee at IBC in Ionia. When MDOC was notified they said they've had 90 new inmate cases at IBC in the past week, suggesting potential B.1.1.7 transmission. According to MDOC, they haven't had any positive inmate cases in prior recent weeks.

The Eaton case has a complicated testing history. She had a presumptive positive PCR result (it was reported as inconclusive) collected on 1/4/21. It looks like she was retested on 1/5/21 and was negative. She had a PCR positive result collected on 1/27/21. She told MDOC she was negative on 1/5/21 (she did not share the inconclusive result) and they allowed her to work. She was asymptomatic at that time. She says she was exposed to another MDOC employee (Ingham [REDACTED]) on 1/26 and became symptomatic on 1/27. Started quarantine/isolation on 1/26.

There was an MDHHS/MDOC call late yesterday to discuss recommendations (I was not on it). I have been told that MDHHS is recommending an aggressive response and mitigation strategy given the potential for transmission of the variant strain within the IBC facility along with the possibility of further spread to other MDOC facilities or the community. This will include daily testing of all staff and prisoners for at least the next 14 days.

MDOC is planning a press release regarding this variant case in the prison.

If I get additional information I will share it. Please let me know if you have any questions.

Thank you!
Fatema

Fatema Mamou, MPH
Region 6 Epidemiologist
Surveillance and Infectious Disease Epidemiology Section
Bureau of Epidemiology and Population Health, Michigan Department of Health and Human Services
Physical Address: Kent County Health Department, 700 Fuller Ave NE, Grand Rapids, MI 49503
Ph: 616-632-7245 - Cell: 517-204-6086 E-mail: mamouf@michigan.gov

**Due to COVID-19, I am working remotely. Please contact me via cell # or e-mail for the most prompt response.*

"Confidentiality Notice: This message, including any attachments, is intended solely for the use of the named recipient(s) and may contain confidential and/or privileged information. Any unauthorized review, use, disclosure or distribution of this communication(s) is expressly prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy any and all copies of the original message."

Becky Bennett

From: Michigan Health Alert Network <b553dfe1-0005-3000-80c0-fceb55463ffe@notify.michiganhan.org>
Sent: Thursday, February 11, 2021 12:36 PM
To: Mamou, Fatema (DHHS)
Subject: B.1.1.7 variant detected in Kent County

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Fatema Mamou,

Dear colleagues,

On February 6th, the B.1.1.7 variant was detected in a specimen from an individual in Kent County, a patient whose symptoms began in late January.

The SARS-CoV-2 B.1.1.7 variant is thought to have emerged in the United Kingdom and has since been detected in many countries and states. This variant is associated with increased transmissibility. Compared to the wild-type virus, the B.1.1.7 variant is approximately 50 percent more transmissible, leading to faster spread of the virus and potentially increasing numbers of cases, hospitalizations, and deaths. There is no indication that this variant impacts the effectiveness of vaccines.

This is a race for coverage of our population; a race that pits vaccination efforts against the transmission of infections. The B.1.1.7 variant offers the infection a speed boost in this race, which must be accounted for in our public health response. Efforts to slow transmission will allow for more of our population to be protected through vaccination. Public health mitigation measures to minimize the impact of this variant strain in our communities include the following.

- When KCHD is evaluating a COVID-19 case or a contact with any possible epidemiologic links to a confirmed variant case, variant infection is assumed
- Strictly enforce isolation and quarantine protocols with a 14-day quarantine period with monitoring, regardless of the symptom status of any close contacts of possible variant infections
- Cases and close contacts should be educated about the increased risk of transmission with the variant strain.

- Actively work to obtain testing for exposed individuals
- Promote testing of individuals who have traveled out of Michigan in last 14 days.
- Promote submission of isolates for genetic sequencing
 - Guidance and forms supporting specimen collection have been provided to Michigan Laboratory Directors and are attached to this communication.
 - Acceptable specimens for the Novel 2019 Coronavirus (SARS-CoV-2) sequencing analysis are
 - Nasopharyngeal swabs in viral transport medium, Amies Transport Media, or PBS;
 - Nasal swabs in viral transport medium, Amies Transport Media, or PBS;
 - OP swabs in viral transport medium, Amies Transport Media, or PBS;

- Nasal aspirates;
- Mid-turbinate swabs in viral transport medium, Amies Transport Media, or PBS;
- Sputum.

For questions, please contact Cathy Armstrong, RN, Communicable Disease Program Supervisor at cathy.armstrong@kentcountymi.gov.

For further information: New Variants of the Virus that Causes COVID-19
<https://www.cdc.gov/coronavirus/2019-ncov/transmission/variant.html>

This HAN is being sent to the following roles in Region 6 and Allegan, Barry, and Eaton Counties:

CD/Infection Prevention, Communications/Public Information, Emergency Preparedness, EMS/First Responder, Epidemiology, Healthcare, Health Officer, and Physician/Medical Director.

You may respond by doing one of the following:

- Click the appropriate response in the following list of response options,
- Or, reply via email with your response option. Please note that you must include the number of your response option, such as **1**, in the body of your email in order for your response to be recorded.

Option# Response:

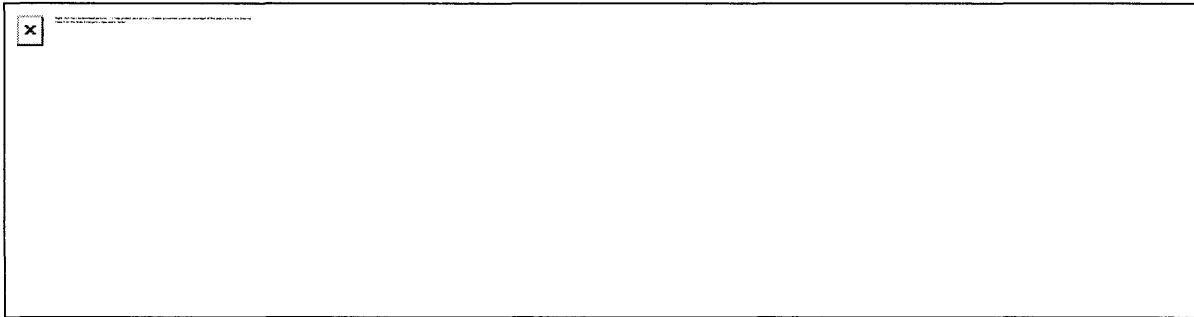
1. Message Received.

Thank you,
Michigan Health Alert Network

Becky Bennett

From: Mamou, Fatema (DHHS) <MamouF@michigan.gov>
Sent: Tuesday, February 16, 2021 9:41 PM
To: kbowen@ioniacounty.org; Adenike Shoyinka
Subject: FW: NEWS RELEASE: MDHHS Identifies 90 Cases of COVID Variant

From: Michigan State Police <MichStatePolice@govsubscriptions.michigan.gov>
Sent: Tuesday, February 16, 2021 9:36 PM
To: Mamou, Fatema (DHHS) <MamouF@michigan.gov>
Subject: NEWS RELEASE: MDHHS Identifies 90 Cases of COVID Variant



MDHHS Identifies 90 Cases of COVID Variant

IONIA, MICH. Results from the daily testing of prisoners and staff at the Bellamy Creek Correctional Facility, in Ionia, has resulted in the detection of 90 cases of the SARS-CoV-2, B.1.1.7 variant.

This testing occurred after an employee at the prison was found to have the variant and the Michigan Department of Corrections immediately began to test daily, all prisoners and staff.

Of the first set of samples provided to the Michigan Department of Health and Human Services Bureau of Laboratories, 90 of the 95 were found to have the variant. Of the 90, there were 88 prisoners and two employees. There are more than 100 lab results still pending.

This variant is believed to be more contagious compared to the SARS-CoV-2 virus, and as soon as it was detected in the prison, additional precautions were put in place, along with the daily testing.

Since the daily testing results have come in, the number of COVID-19 positive cases at the facility has been on the decline, which indicates the swift efforts undertaken to reduce the spread is working.

Based on available evidence, current tests and vaccines for COVID-19 also work against this new variant. Protective actions that prevent the spread of COVID-19 will also prevent the spread of the new variant, B.1.1.7.

Michiganders should:

- Wash hands often.

- Wear a mask around others.
- Stay 6 feet apart from others.
- Ventilate indoor spaces.
- Make a plan to get the vaccine when the opportunity becomes available.

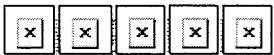
Any Michigander who has traveled or has possibly been exposed to an individual infected with COVID-19 should get tested for the virus. Visit. [Michigan.gov/coronavirustest](https://michigan.gov/coronavirustest) to find the nearest test site.

Information around this outbreak is changing rapidly. The latest information is available at [Michigan.gov/Coronavirus](https://michigan.gov/Coronavirus) and CDC.gov/Coronavirus. To learn more about the COVID-19 vaccine, visit [Michigan.gov/COVIDVaccine](https://michigan.gov/COVIDVaccine).

###

MEDIA CONTACT: [Chris Gautz](#), 517-256-3790

- [JIC News Release 435 - MDOC variant.pdf](#)



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This email was sent to mamouf@michigan.gov using GovDelivery Communications Cloud on behalf of: Michigan State Police · P.O. Box 30634 · Lansing, MI 48909

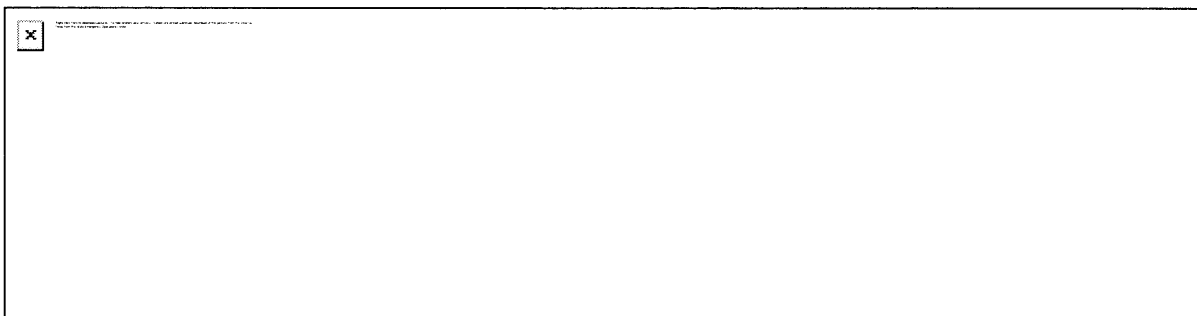
Becky Bennett

From: Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>
Sent: Wednesday, February 17, 2021 8:23 AM
To: Alex Bergmooser; Amanda Rockol; Amber Irrer; Anne Hanis; April Williams; Ashleigh Kolski; Brousseau, Geoffrey (DHHS-Contractor); bstoddard@mmdhd.org; Colleen Harns; Cynthia Tran; Dena Kent; Deneen Gallagher; Elaine Brown; Emma Harman; Hilary Pummill; Shelly Holtz; Jackie Anderson; Jamie Shepler; Jamie Wilkie; Jennifer Heslip; Jennifer J. Evans; Jennifer Johnson; Jennifer Mecomber; John Thottungal; Josi Rotunno; Kali Nichols; Karley McDonald; Kris Moyer; Wai Yi Leung; lharkness@shiawasseechd.net; Linda Weiman; lmikesell@mmdhd.org; Marji Nichols; Matthew Budd (mbudd@mijackson.org); Melissa Lautermilch; Mende Palmer; meredith.mackey@lenawee.mi.us; Melissa Endres; Natalie Johnson; Nicole Baran; Nicole Greenway (ngreenway@shiawasseechd.net); Nicole Moline; Nikki Karazim; Norm Keon; Patricia Raines; paula.ulrich; Rochelle Oshay; Samantha Soltis; Shajuana Tyson; Shymari Harris; Sierra Harns; Smoyer, Stephanie A. (MDOC); Sumeer Qurashi; Taylor Olsabeck; Teresa Spears; Theresa Enriquez; Tiffany Tyson; Tamara Jones; Tracy Payne (tpayne@mijackson.org); Wazhma Frotan; Whitnee Smith; Amy Worges; Wyki Pang; Yvonne Atwood; Colette Scrimger; Dennis Chernin; Dianne McCormick; Don Lawrenchuk; Hackert, Pamela B.; J. Daniel Woodall; Jennifer Morse; Juan Marquez; Larry Johnson (ljohnson@shiawasseechd.net); Lauren Vogell; Linda Vail; Marcus Cheatham; Martha Hall (martha.hall@lenawee.mi.us); Michael Foust; Rashmi Travis; burns; Adenike Shoyinka; Matthew Price; Maureen Gibbons; D1MedDir; Hailey Brewer; Christine Hendrickson; Jennifer Casarez; Jim Cook; Jodi DeFrenn (jdefrenn@shiawasseechd.net); Lindsay Gestro; Stephanie Baker; Susie Dice (Susie.Dice@lenawee.mi.us)
Subject: FW: NEWS RELEASE: MDHHS Identifies 90 Cases of COVID Variant
Attachments: FW: Emerging SARS-CoV-2 Variants

FYI below, forwarding in case you see cases among MDOC Ionia Bellamy Creek (IBC) employees. Please treat as suspected variant cases with enhanced follow-up as described in the attached MIHAN from 1/26.

Thank you!
Meghan

From: Michigan State Police <MichStatePolice@govsubscriptions.michigan.gov>
Sent: Tuesday, February 16, 2021 9:36 PM
To: Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>
Subject: NEWS RELEASE: MDHHS Identifies 90 Cases of COVID Variant



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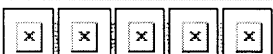
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###

MEDIA CONTACT: [Chris Gautz](#), 517-256-3790

- [JIC News Release 435 - MDOC variant.pdf](#)



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This email was sent to weinbergm1@michigan.gov using GovDelivery Communications Cloud on behalf of: Michigan State Police · P.O. Box 30634 · Lansing, MI 48909

Becky Bennett

From: Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>
Sent: Tuesday, January 26, 2021 11:42 AM
To: Alex Bergmooser; Amanda Rockol; Amber Irrer; Anne Hanis; April Williams; Ashleigh Kolski; bstoddard@mmdhd.org; Colleen Harns; Cynthia Tran; Dena Kent; Deneen Gallagher; Elaine Brown; Emma Harman; Hilary Pummill; Shelly Holtz; Jackie Anderson; Jamie Shepler; Jamie Wilkie; Jennifer Heslip; Jennifer J. Evans; Jennifer Johnson; Jennifer Mecomber; John Thottungal; Josi Rotunno; Kali Nichols; Karley McDonald; Kris Moyer; Wai Yi Leung; lharkness@shiasmseechd.net; Linda Weiman; lmikesell@mmdhd.org; Marji Nichols; Matthew Budd (mbudd@mijackson.org); Melissa Lautermilch; Mende Palmer; meredith.mackey@lenawee.mi.us; Melissa Endres; Natalie Johnson; Nicole Baran; Nicole Greenway (ngreenway@shiasmseechd.net); Nicole Moline; Nikki Karazim; Norm Keon; Patricia Raines; paula.ulrich; Rochelle Oshay; Samantha Soltis; Shajuana Tyson; Shymari Harris; Sierra Harns; Smoyer, Stephanie A. (MDOC); Sumeer Qurashi; Taylor Olsabeck; Teresa Spears; Theresa Enriquez; Tiffany Tyson; Tamara Jones; Tracy Payne (tpayne@mijackson.org); Wazhma Frotan; Whitnee Smith; Amy Worges; Wyki Pang; Yvonne Atwood; Matthew Price; Maureen Gibbons; D1MedDir; Hailey Brewer; Christine Hendrickson; Jennifer Casarez; Jim Cook; Jodi DeFrenn (jdefrenn@shiasmseechd.net); Lindsay Gestro; Stephanie Baker; Susie Dice (Susie.Dice@lenawee.mi.us); Colette Scrimger; Dennis Chernin; Dianne McCormick; Don Lawrenchuk; Hackert, Pamela B.; J. Daniel Woodall; Jennifer Morse; Juan Marquez; Larry Johnson (ljohnson@shiasmseechd.net); Lauren Vogell; Linda Vail; Marcus Cheatham; Martha Hall (martha.hall@lenawee.mi.us); Michael Foust; Rashmi Travis; burns; Adenike Shoyinka
Subject: FW: Emerging SARS-CoV-2 Variants
Attachments: COVID-Sequencing-MDHHS-5905.dotx; MDHHS-BOL request for SARS-CoV-2 seq.pdf

Forwarding this MIHAN update on SARS-CoV-2 variants.

It contains helpful info on how to respond to new variant cases and how to submit specimens to the state lab for sequencing. MDHHS is interested in specimens from cases who've traveled out of Michigan in last 14 days, especially to areas where the new variants are widely circulating. Our lab is also really interested in clinical labs sending any residual specimens on a routine basis (i.e. 10 positive specimens/week). The attached letter with that request was sent to Clinical Lab Directors. Any help in re-iterating that request with your local connections to clinical labs would be appreciated. This routine surveillance allows for a broader, more diverse sampling to better detect the emergence of new variants (and better characterize transmission dynamics overall). This is all described below in more detail – just reiterating.

Thank you!
Meghan

Meghan Weinberg, PhD, MPH
Epidemiologist - Region 1
Surveillance and Infectious Disease Epidemiology Section
Michigan Department of Health and Human Services
Cell: (517) 749-2153

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From: Michigan Health Alert Network <b4831dbe-0005-3000-80c0-fceb55463ffe@notify.michiganhan.org>
Sent: Tuesday, January 26, 2021 11:19 AM
To: Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>
Subject: Emerging SARS-CoV-2 Variants

CAUTION: This is an External email. Please send suspicious emails to abuse@michigan.gov

Meghan Weinberg,

Subject: **SARS-CoV-2 B.1.1.7 Variant**

This message is being shared to call public health attention to the unique characteristics of the B.1.1.7 variant of the virus that causes COVID-19 infections (SARS-CoV-2). This variant has now been identified in multiple Michigan communities after having first been detected in an isolate from a Washtenaw County case on January 16, 2021. Also of note, another SARS-CoV-2 variant (P.1) that had previously been identified in Brazil was recently detected through sequencing of an isolate in Minnesota. More information about circulating variants can be found on the CD "[Emerging SARS-CoV-2 Variants](#)" page. This guidance will be updated as additional variants of concern are identified in Michigan and the United States.

The SARS-CoV-2 B.1.1.7 variant is thought to have emerged in the United Kingdom and has since been detected in many countries and states. This variant is concerning because it is associated with increased transmissibility. Compared to the wild-type virus, the B.1.1.7 variant is approximately 50 percent more transmissible, leading to faster spread of the virus and potentially increasing numbers of cases, hospitalizations, and deaths. Therefore, additional levels of public health intervention are required once the variant has been identified.

Fundamentally, this is a race for coverage of our population; a race that pits vaccination efforts against the transmission of infections. In this effort, public health is working to minimize both the known serious consequences of COVID-19 infections, as well as the over-all impacts on our limited healthcare resources. The B.1.1.7 variant offers the infection a speed boost in this race, which must be accounted for in our public health response. Efforts to slow transmission will allow for more of our population to be protected through vaccination.

Public health mitigation measures aimed to minimize the impact of this variant strain in our communities include the following recommendations.

When evaluating a confirmed or probable COVID-19 case or a contact with **any** possible epidemiologic links to a confirmed variant case, variant infection should be **assumed** -- an assumption that requires immediate and decisive action involving case isolation, identification of all possible contacts, and quarantine.

- The collection of all travel, exposure, and contact information during case investigations is critical in evaluating risk of variant infection.

Strictly enforce isolation and quarantine protocols

- During the isolation of B.1.1.7 variant infections and the quarantine of associated contacts, enhanced monitoring, including twice daily check-ins, is strongly recommended. Cases and close contacts should be educated about the increased risk of transmission with the variant strain.
- Strict enforcement and assurance of full 14-day quarantine period with monitoring, *regardless of the symptom status of any close contacts of possible variant infections.*

Employ active efforts to identify all possible contacts of cases with consideration to expanding the infectious period based on symptoms and testing. The inclusion of an extra day before onset may help identify additional persons infected with the variant virus.

Emphasize testing in affected areas

- Expand testing capacity in areas where the variant has been detected.
- Work closely with affected communities on messaging around testing.
- Actively work to obtain testing for exposed individuals, particularly those that are known to have been exposed to the variant strain.

Promote submission of isolates for genetic sequencing

- **Guidance and forms supporting specimen collection have been provided to Michigan Laboratory Directors and are attached to this communication.**
 - Appropriate Specimens for Sequencing
 - SARS-CoV-2 residual samples, at least 500 ul, to be frozen and sent to the state laboratory in the specimen tube on a weekly basis.
 - Acceptable specimens for the Novel 2019 Coronavirus (SARS-CoV-2) sequencing analysis are
 - Nasopharyngeal swabs in viral transport medium, Amies Transport Media, or PBS;
 - Nasal swabs in viral transport medium, Amies Transport Media, or PBS;
 - OP swabs in viral transport medium, Amies Transport Media, or PBS;
 - Nasal aspirates;
 - Mid-turbinate swabs in viral transport medium, Amies Transport Media, or PBS;
 - Sputum.

Promote testing of individuals who have traveled out of Michigan in last 14 days, especially to areas in which the new variants are widely circulating. This should be emphasized in all regions, even those in which the variant has not yet been identified.

MDHHS will share findings of variant sequences with local public health agencies as they become available to help define appropriate public health response.

You may respond by doing one of the following:

- Click the appropriate response in the following list of response options,
- Or, reply via email with your response option. Please note that you must include the number of your response option, such as **1**, in the body of your email in order for your response to be recorded.

Option# Response:

1. Message Received.

Thank you,
Michigan Health Alert Network

Becky Bennett

From: Adenike Shoyinka
Sent: Wednesday, February 17, 2021 8:28 AM
To: Weinberg, Meghan (DHHS); Sumeer Qurashi
Subject: Re: NEWS RELEASE: MDHHS Identifies 90 Cases of COVID Variant

Thanks.

Do we have the results back about the corrections officer who lives in Ingham County? We sent samples for sequencing for him and his household contacts.

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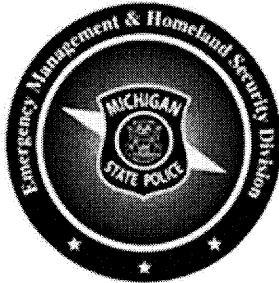
From: Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>
Sent: Wednesday, February 17, 2021 8:22:33 AM
To: Alex Bergmooser <bergmoosera@bhsj.org>; Amanda Rockol <ARockol@shiaawasseechd.net>; Amber Irrer <AIrrer@ingham.org>; Anne Hanis <ahanis@ingham.org>; April Williams <AWilliams2@ingham.org>; Ashleigh Kolski <AKolski@ingham.org>; Brousseau, Geoffrey (DHHS-Contractor) <BrousseauG1@michigan.gov>; bstoddard@mmdhd.org <bstoddard@mmdhd.org>; Colleen Harns <CHarns@ingham.org>; Cynthia Tran <CTran@ingham.org>; Dena Kent <dkent@mmdhd.org>; Deneen Gallagher <DGallagher@ingham.org>; Elaine Brown <EBrown@livgov.com>; Emma Harman <EHarman@livgov.com>; Hilary Pummill <HPummill@ingham.org>; Shelly Holtz <SHoltz@ingham.org>; Jackie Anderson <JAnderson@bedhd.org>; Jamie Shepler <jshepler@mmdhd.org>; Jamie Wilkie <JWilkie@ingham.org>; Jennifer Heslip <JHeslip@ingham.org>; Jennifer J. Evans <jevans@bedhd.org>; Jennifer Johnson <jjohnson@mmdhd.org>; Jennifer Mecomber <JMecomber@mijackson.org>; John Thottungal <JThottungal@ingham.org>; Josi Rotunno <jrotunno@mmdhd.org>; Kali Nichols <nicholsk@bhsj.org>; Karley McDonald <kmcdonald@mmdhd.org>; Kris Moyer <KMoyer@livgov.com>; Wai Yi Leung <WLeung@ingham.org>; lharkness@shiaawasseechd.net <lharkness@shiaawasseechd.net>; Linda Weiman <LWeiman@livgov.com>; Imikesell@mmdhd.org <Imikesell@mmdhd.org>; Marji Nichols <MNichols@shiaawasseechd.net>; Matthew Budd (mbudd@mijackson.org) <mbudd@mijackson.org>; Melissa Lautermilch <Melissa.Lautermilch@lenawee.mi.us>; Mende Palmer <MPalmer@ingham.org>; meredith.mackey@lenawee.mi.us <meredith.mackey@lenawee.mi.us>; Melissa Endres <MEndres@ingham.org>; Natalie.Johnson <Natalie.Johnson@lenawee.mi.us>; Nicole Baran <NBaran@livgov.com>; Nicole Greenway (ngreenway@shiaawasseechd.net) <ngreenway@shiaawasseechd.net>; Nicole Moline <nmoline@mmdhd.org>; Nikki Karazim <NKarazim@bedhd.org>; Norm Keon <nkeon@mmdhd.org>; Patricia Raines <PRaines@ingham.org>; paula.ulrich <paula.ulrich@lenawee.mi.us>; Rochelle Oshay <roshay@mmdhd.org>; Samantha Soltis <SSoltis@ingham.org>; Shajuana Tyson <STyson@ingham.org>; Shymari Harris <SHarris@ingham.org>; Sierra Harns <SHarns@ingham.org>; Smoyer, Stephanie A. (MDOC) <SmoyerS@michigan.gov>; Sumeer Qurashi <SQurashi@ingham.org>; Taylor Olsabeck <TOlsabeck@bedhd.org>; Teresa Spears <TSpears@ingham.org>; Theresa.Enriquez <Theresa.Enriquez@lenawee.mi.us>; Tiffany Tyson <TTyson@ingham.org>; Tamara Jones <TJones@ingham.org>; Tracy Payne (tpayne@mijackson.org) <tpayne@mijackson.org>; Wazhma Frotan <WFrotan@ingham.org>; Whitnee Smith <WSmith@ingham.org>; Amy Worges <AWorges@ingham.org>; Wyki Pang <WPang@ingham.org>; Yvonne Atwood <atwoody@bhsj.org>; Colette Scrimger <cscrimger@bedhd.org>; Dennis Chernin <dennischernin@hotmail.com>; Dianne McCormick <DMcCormick@livgov.com>; Don Lawrenchuk <DLawrenchuk@livgov.com>; Hackert, Pamela B. <phacker2@hfh.org>; J. Daniel Woodall <jimmie.woodall@spectrumhealth.org>; Jennifer Morse <jmorse@mmdhd.org>; Juan Marquez <JMarquez@livgov.com>; Larry Johnson (Ljohnson@shiaawasseechd.net) <Ljohnson@shiaawasseechd.net>; Lauren Vogell <vogell@msu.edu>; Linda Vail <LVail@ingham.org>; Marcus Cheatham <mcheatham@mmdhd.org>; Martha Hall (martha.hall@lenawee.mi.us) <martha.hall@lenawee.mi.us>; Michael Foust <MFoust@co.jackson.mi.us>; Rashmi Travis <rtravis@mijackson.org>; burnsr <burnsr@bhsj.org>; Adenike Shoyinka <AShoyinka@ingham.org>; Matthew Price <d1rmrc-matt@sbcglobal.net>; Maureen Gibbons <d1rmrc-maureen@sbcglobal.net>; D1MedDir <D1MedDir@sbcglobal.net>; Hailey Brewer <hbrewer@mmdhd.org>; Christine Hendrickson

<hep_hendrickson@ingham.org>; Jennifer Casarez <jcasarez@bedhd.org>; Jim Cook <cookj@bhsj.org>; Jodi DeFrenn (jdefrenn@shiawasseechd.net) <jdefrenn@shiawasseechd.net>; Lindsay Gestro <lgestro@livgov.com>; Stephanie Baker <sbaker@mijackson.org>; Susie Dice (Susie.Dice@lenawee.mi.us) <Susie.Dice@lenawee.mi.us>
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Subject: NEWS RELEASE: MDHHS Identifies 90 Cases of COVID Variant



NEWS RELEASE

STATE EMERGENCY OPERATIONS CENTER

MDHHS Identifies 90 Cases of COVID Variant

IONIA, MICH. Results from the daily testing of prisoners and staff at the Bellamy Creek Correctional Facility, in Ionia, has resulted in the detection of 90 cases of the SARS-CoV-2, B.1.1.7 variant.

This testing occurred after an employee at the prison was found to have the variant and the Michigan Department of Corrections immediately began to test daily, all prisoners and staff.

Of the first set of samples provided to the Michigan Department of Health and Human Services Bureau of Laboratories, 90 of the 95 were found to have the variant. Of the 90, there were 88 prisoners and two employees. There are more than 100 lab results still pending.

This variant is believed to be more contagious compared to the SARS-CoV-2 virus, and as soon as it was detected in the prison, additional precautions were put in place, along with the daily testing.

Since the daily testing results have come in, the number of COVID-19 positive cases at the facility has been on the decline, which indicates the swift efforts undertaken to reduce the spread is working.

Based on available evidence, current tests and vaccines for COVID-19 also work against this new variant. Protective actions that prevent the spread of COVID-19 will also prevent the spread of the new variant, B.1.1.7.

Michiganders should:

- Wash hands often.

- Wear a mask around others.
- Stay 6 feet apart from others.
- Ventilate indoor spaces.
- Make a plan to get the vaccine when the opportunity becomes available.

Any Michigander who has traveled or has possibly been exposed to an individual infected with COVID-19 should get tested for the virus. Visit. [Michigan.gov/coronavirustest](https://michigan.gov/coronavirustest) to find the nearest test site.

Information around this outbreak is changing rapidly. The latest information is available at [Michigan.gov/Coronavirus](https://michigan.gov/Coronavirus) and [CDC.gov/Coronavirus](https://cdc.gov/Coronavirus). To learn more about the COVID-19 vaccine, visit [Michigan.gov/COVIDVaccine](https://michigan.gov/COVIDVaccine).

###

MEDIA CONTACT: [Chris Gautz](#), 517-256-3790

- [JIC News Release 435 - MDOC variant.pdf](#)



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This email was sent to weinbergm1@michigan.gov using GovDelivery Communications Cloud on behalf of: Michigan State Police - P.O. Box 30634 - Lansing, MI 48909

Becky Bennett

From: Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>
Sent: Wednesday, February 17, 2021 8:50 AM
To: Adenike Shoyinka; Sumeer Qurashi
Subject: RE: NEWS RELEASE: MDHHS Identifies 90 Cases of COVID Variant

I'll investigate!

From: Adenike Shoyinka <AShoyinka@ingham.org>
Sent: Wednesday, February 17, 2021 8:28 AM
To: Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>; Sumeer Qurashi <SQurashi@ingham.org>
Subject: Re: NEWS RELEASE: MDHHS Identifies 90 Cases of COVID Variant

CAUTION: This is an External email. Please send suspicious emails to abuse@michigan.gov

Thanks.

Do we have the results back about the corrections officer who lives in ingham county? We sent samples for sequencing for him and his household contacts.

Get Outlook for iOS

From: Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>
Sent: Wednesday, February 17, 2021 8:22:33 AM
To: Alex Bergmooser <bergmoosera@bhsj.org>; Amanda Rockol <ARockol@shiawasseechd.net>; Amber Irrer <AIrrer@ingham.org>; Anne Hanis <ahanis@ingham.org>; April Williams <AWilliams2@ingham.org>; Ashleigh Kolski <AKolski@ingham.org>; Brousseau, Geoffrey (DHHS-Contractor) <BrousseauG1@michigan.gov>; bstoddard@mmdhd.org <bstoddard@mmdhd.org>; Colleen Harns <CHarns@ingham.org>; Cynthia Tran <CTran@ingham.org>; Dena Kent <dkent@mmdhd.org>; Deneen Gallagher <DGallagher@ingham.org>; Elaine Brown <EBrown@livgov.com>; Emma Harman <EHarman@livgov.com>; Hilary Pummill <HPummill@ingham.org>; Shelly Holtz <SHoltz@ingham.org>; Jackie Anderson <JAnderson@bedhd.org>; Jamie Shepler <jshepler@mmdhd.org>; Jamie Wilkie <JWilkie@ingham.org>; Jennifer Heslip <JHeslip@ingham.org>; Jennifer J. Evans <jevans@bedhd.org>; Jennifer Johnson <jjohnson@mmdhd.org>; Jennifer Mecomber <JMecomber@mijackson.org>; John Thottungal <JThottungal@ingham.org>; Josi Rotunno <jrotunno@mmdhd.org>; Kali Nichols <nicholsk@bhsj.org>; Karley McDonald <kmcdonald@mmdhd.org>; Kris Moyer <KMoyer@livgov.com>; Wai Yi Leung <WLeung@ingham.org>; lharkness@shiawasseechd.net <lharkness@shiawasseechd.net>; Linda Weiman <LWeiman@livgov.com>; lmikesell@mmdhd.org <lmikesell@mmdhd.org>; Marji Nichols <MNichols@shiawasseechd.net>; Matthew Budd (mbudd@mijackson.org) <mbudd@mijackson.org>; Melissa Lautermilch <Melissa.Lautermilch@lenawee.mi.us>; Mende Palmer <MPalmer@ingham.org>; meredith.mackey@lenawee.mi.us <meredith.mackey@lenawee.mi.us>; Melissa Endres <MEndres@ingham.org>; Natalie Johnson <Natalie.Johnson@lenawee.mi.us>; Nicole Baran <NBaran@livgov.com>; Nicole Greenway (ngreenway@shiawasseechd.net) <ngreenway@shiawasseechd.net>; Nicole Moline <nmoline@mmdhd.org>; Nikki Karazim <NKarazim@bedhd.org>; Norm Keon <nkeon@mmdhd.org>; Patricia Raines <PRaines@ingham.org>; paula.ulrich <paula.ulrich@lenawee.mi.us>; Rochelle Oshay <roshay@mmdhd.org>; Samantha Soltis <SSoltis@ingham.org>; Shajuana Tyson <STyson@ingham.org>; Shymari Harris <SHarris@ingham.org>; Sierra Harns <SHarns@ingham.org>; Smoyer, Stephanie A. (MDOC) <SmoyerS@michigan.gov>; Sumeer Qurashi <SQurashi@ingham.org>; Taylor Olsabeck <TOlsabeck@bedhd.org>; Teresa Spears <TSpears@ingham.org>; Theresa Enriquez <Theresa.Enriquez@lenawee.mi.us>; Tiffany Tyson <TTyson@ingham.org>; Tamara Jones <TJones@ingham.org>; Tracy Payne (tpayne@mijackson.org) <tpayne@mijackson.org>; Wazhma Frotan

<WFrotan@ingham.org>; Whitnee Smith <WSmith@ingham.org>; Amy Worges <AWorges@ingham.org>; Wyki Pang <WPang@ingham.org>; Yvonne Atwood <atwoody@bhsj.org>; Colette Scrimger <cscrimger@bedhd.org>; Dennis Chernin <dennischernin@hotmail.com>; Dianne McCormick <DMcCormick@livgov.com>; Don Lawrenchuk <DLawrenchuk@livgov.com>; Hackert, Pamela B. <phacker2@hfhs.org>; J. Daniel Woodall <jimmie.woodall@spectrumhealth.org>; Jennifer Morse <jmorse@mmdhd.org>; Juan Marquez <JMarquez@livgov.com>; Larry Johnson (Ljohnson@shiawasseechd.net) <Ljohnson@shiawasseechd.net>; Lauren Vogell <vogell@msu.edu>; Linda Vail <LVail@ingham.org>; Marcus Cheatham <mcheatham@mmdhd.org>; Martha Hall (martha.hall@lenawee.mi.us) <martha.hall@lenawee.mi.us>; Michael Foust <MFoust@co.jackson.mi.us>; Rashmi Travis <rtravis@mijackson.org>; burnsr <burnsr@bhsj.org>; Adenike Shoyinka <AShoyinka@ingham.org>; Matthew Price <d1rmrc-matt@sbcglobal.net>; Maureen Gibbons <d1rmrc-maureen@sbcglobal.net>; D1MedDir <D1MedDir@sbcglobal.net>; Hailey Brewer <hbrewer@mmdhd.org>; Christine Hendrickson <hep_hendrickson@ingham.org>; Jennifer Casarez <jcasarez@bedhd.org>; Jim Cook <cookj@bhsj.org>; Jodi DeFrenn (jdefrenn@shiawasseechd.net) <jdefrenn@shiawasseechd.net>; Lindsay Gestro <lgestro@livgov.com>; Stephanie Baker <sbaker@mijackson.org>; Susie Dice (Susie.Dice@lenawee.mi.us) <Susie.Dice@lenawee.mi.us>

Subject: FW: NEWS RELEASE: MDHHS Identifies 90 Cases of COVID Variant

FYI below, forwarding in case you see cases among MDOC Ionia Bellamy Creek (IBC) employees. Please treat as suspected variant cases with enhanced follow-up as described in the attached MIHAN from 1/26.

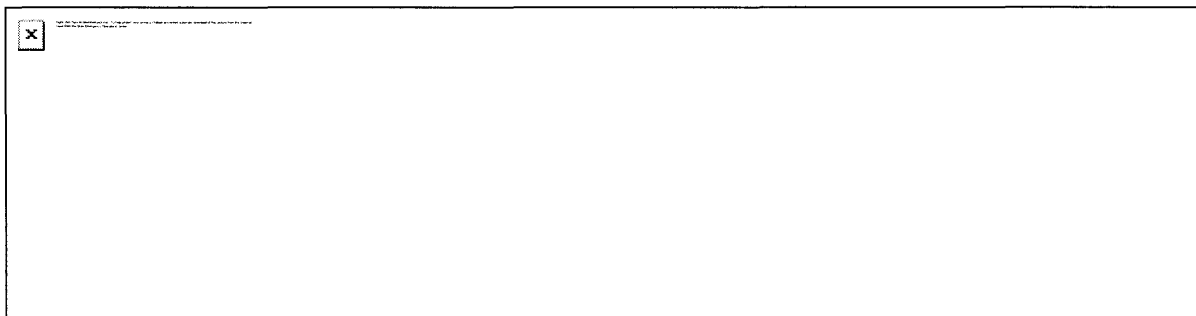
Thank you!
Meghan

From: Michigan State Police <MichStatePolice@govsubscriptions.michigan.gov>

Sent: Tuesday, February 16, 2021 9:36 PM

To: Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>

Subject: NEWS RELEASE: MDHHS Identifies 90 Cases of COVID Variant



MDHHS Identifies 90 Cases of COVID Variant

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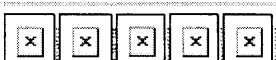
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Information around this outbreak is changing rapidly. The latest information is available at [Michigan.gov/Coronavirus](https://michigan.gov/Coronavirus) and CDC.gov/Coronavirus. To learn more about the COVID-19 vaccine, visit [Michigan.gov/COVIDVaccine](https://michigan.gov/COVIDVaccine).

###

MEDIA CONTACT: [Chris Gautz](#), 517-256-3790

- [JIC News Release 435 - MDOC variant.pdf](#)



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Becky Bennett

From: Sumeer Qurashi
Sent: Wednesday, February 17, 2021 10:31 AM
To: Linda Vail; Joel Murr; Adenike Shoyinka; Wazhma Frotan; Jonas Ndeke; Amy Worges; Angela Shaft; Colleen Harns; Deneen Gallagher; Melissa Endres; Shelly Holtz; Tamara Jones; Wai Yi Leung; Anne Hanis; April Williams; Ashleigh Kolski; Cynthia Tran; David Rathbun; Jamie Wilkie; Jennifer Heslip; John Thottungal; Mende Palmer; Patricia Raines; Samantha Soltis; Shymari Harris; Teresa Spears; Tiffany Tyson; Wyki Pang
Subject: COVID variant and quarantine recommendations for fully vaccinated individuals
Attachments: Emerging SARS-CoV-2 Variants; COVID-19 Recommendations for Vaccinated Persons 2.12 vaccine and quarantine.msg

Hi all,

COVID variant:- Please use the following outbreak IDs:

- VARB117 = confirmed variant
- VARB117MDOC_IBC = confirmed variant and associated with MDOC IBC outbreak
- VARB117 EPILINK = epi link to a variant (aka suspected variant)

Also, please see the attached 'Public health mitigation measures aimed to minimize the impact of this variant strain in our communities'.

and 'COVID-19 Recommendations for Vaccinated Persons' .

Thank you,
Sumeer



Sumeer Qurashi MD, MPH
Manager, Communicable Disease
5303 S. Cedar St. P.O Box 30161 Lansing, MI 48909-7611
Office: (517)887-4308 | Fax: (517) 887-4379
Direct Line: (517) 887-4492



Becky Bennett

From: Michigan Health Alert Network <b4831c1f-0005-3000-80c0-fceb55463ffe@notify.michiganhan.org>
Sent: Tuesday, January 26, 2021 11:19 AM
To: Sumeer Qurashi
Subject: Emerging SARS-CoV-2 Variants
Attachments: COVID-Sequencing-MDHHS-5905.dotx; MDHHS-BOL request for SARS-CoV-2 seq.pdf

Sumeer Qurashi,

Subject: **SARS-CoV-2 B.1.1.7 Variant**

This message is being shared to call public health attention to the unique characteristics of the B.1.1.7 variant of the virus that causes COVID-19 infections (SARS-CoV-2). This variant has now been identified in multiple Michigan communities after having first been detected in an isolate from a Washtenaw County case on January 16, 2021. Also of note, another SARS-CoV-2 variant (P.1) that had previously been identified in Brazil was recently detected through sequencing of an isolate in Minnesota. More information about circulating variants can be found on the CD "[Emerging SARS-CoV-2 Variants](#)" page. This guidance will be updated as additional variants of concern are identified in Michigan and the United States.

The SARS-CoV-2 B.1.1.7 variant is thought to have emerged in the United Kingdom and has since been detected in many countries and states. This variant is concerning because it is associated with increased transmissibility. Compared to the wild-type virus, the B.1.1.7 variant is approximately 50 percent more transmissible, leading to faster spread of the virus and potentially increasing numbers of cases, hospitalizations, and deaths. Therefore, additional levels of public health intervention are required once the variant has been identified.

Fundamentally, this is a race for coverage of our population; a race that pits vaccination efforts against the transmission of infections. In this effort, public health is working to minimize both the known serious consequences of COVID-19 infections, as well as the over-all impacts on our limited healthcare resources. The B.1.1.7 variant offers the infection a speed boost in this race, which must be accounted for in our public health response. Efforts to slow transmission will allow for more of our population to be protected through vaccination.

Public health mitigation measures aimed to minimize the impact of this variant strain in our communities include the following recommendations.

When evaluating a confirmed or probable COVID-19 case or a contact with **any** possible epidemiologic links to a confirmed variant case, variant infection should be **assumed** -- an assumption that requires immediate and decisive action involving case isolation, identification of all possible contacts, and quarantine.

- The collection of all travel, exposure, and contact information during case investigations is critical in evaluating risk of variant infection.

Strictly enforce isolation and quarantine protocols

- During the isolation of B.1.1.7 variant infections and the quarantine of associated contacts, enhanced monitoring, including twice daily check-ins, is strongly recommended. Cases and close contacts should be educated about the increased risk of transmission with the variant strain.
- Strict enforcement and assurance of full 14-day quarantine period with monitoring, *regardless of the symptom status of any close contacts of possible variant infections.*

Employ active efforts to identify all possible contacts of cases with consideration to expanding the infectious period based on symptoms and testing. The inclusion of an extra day before onset may help identify additional persons infected with the variant virus.

Emphasize testing in affected areas

- Expand testing capacity in areas where the variant has been detected.
- Work closely with affected communities on messaging around testing.
- Actively work to obtain testing for exposed individuals, particularly those that are known to have been exposed to the variant strain.

Promote submission of isolates for genetic sequencing

- **Guidance and forms supporting specimen collection have been provided to Michigan Laboratory Directors and are attached to this communication.**
 - Appropriate Specimens for Sequencing
 - SARS-CoV-2 residual samples, at least 500 ul, to be frozen and sent to the state laboratory in the specimen tube on a weekly basis.
 - Acceptable specimens for the Novel 2019 Coronavirus (SARS-CoV-2) sequencing analysis are
 - Nasopharyngeal swabs in viral transport medium, Amies Transport Media, or PBS;
 - Nasal swabs in viral transport medium, Amies Transport Media, or PBS;
 - OP swabs in viral transport medium, Amies Transport Media, or PBS;
 - Nasal aspirates;
 - Mid-turbinate swabs in viral transport medium, Amies Transport Media, or PBS;
 - Sputum.

Promote testing of individuals who have traveled out of Michigan in last 14 days, especially to areas in which the new variants are widely circulating. This should be emphasized in all regions, even those in which the variant has not yet been identified.

MDHHS will share findings of variant sequences with local public health agencies as they become available to help define appropriate public health response.

You may respond by doing one of the following:

- Click the appropriate response in the following list of response options,
- Or, reply via email with your response option. Please note that you must include the number of your response option, such as **1**, in the body of your email in order for your response to be recorded.

Option# Response:

1. Message Received.

Thank you,
Michigan Health Alert Network



GRETCHEN WHITMER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF HEALTH AND HUMAN SERVICES
LANSING

ROBERT GORDON
DIRECTOR

15 January 2021
RE: SARS-CoV-2 Sample Request

To whom this may concern,

The Michigan Department of Health and Human Services Bureau of Laboratories has been providing support for the SARS-CoV-2 response through performing whole genome sequencing. The ability to accurately examine outbreaks within facilities, community transmission dynamics, and the emergence of new variants requires a diversity of samples throughout the state.

We are requesting 10 positive SARS-CoV-2 residual samples, at least 500 ul, to be frozen and sent to the state laboratory in the specimen tube on a weekly basis.

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If your lab is running a molecular diagnostic test that reports Ct values, samples with Ct < 30 are acceptable with submission. Other diagnostic tests that do not report a Ct value are welcome for submission without any diagnostic cutoff. Additionally, if nucleic acid extractions are being performed within the laboratory and dry ice is accessible, we are requesting that residual RNA, at least 30 ul, be frozen and sent to the state laboratory in storage tubes with dry ice instead of the clinical specimens.

Submitted specimens should highlight a diverse geographic and demographic group to ensure that we are fully capturing the region that your laboratory is located. Any specimens that may have international travel, present with severe clinical outcomes, or are potential re-infection cases, should be submitted and flagged upon submission. This will help us to capture any emerging variants that may have an impact on public health action.

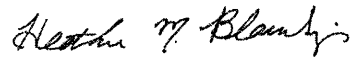
Shipping of samples should follow Category B regulations. Any shipping materials can be provided to labs that need assistance in procuring materials or shipping labels. Please email MDHHSlab@michigan.gov with your request. In the request, please include a note that the shipping materials will be used for sequencing surveillance and a point of contact with shipping address and phone number. Please be specific about the items that you are requesting and the quantity of specimens that you will be shipping. These items will only be sent out upon each request due to the number of resources available and ability to reutilize some of the materials upon receipt at BOL. Shipments should be planned out so that they arrive at BOL on Monday to Friday to ensure that samples are received.

The attached requisition form is to be used and returned with any sample submissions for SARS-CoV-2 sequencing. If you will be able to contribute more than 10 samples a week or have additional questions, please use my contact information below and we can discuss submission options.

Results obtained from whole genome sequencing of submitted samples are not meant for clinical care and will not be generated in a report format. Public facing analyses are still being developed to share information. As development nears completion, additional information will be shared on how to access data and the finalized format.

Thank you in advance for helping to contribute to the State of Michigan's response to SARS-CoV-2 through whole genome sequencing!

Sincerely,

A handwritten signature in black ink, appearing to read "Heather M. Blankenship".

Heather Blankenship, PhD
Bioinformatics and Sequencing Section Manager
Department of Health and Human Services
Bureau of Laboratories
Division of Infectious Diseases
3350 N. Martin Luther King Jr. Blvd.
Lansing, MI 48906
Email: blankenshiph@michigan.gov
PHONE: 517-335-0095

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Sent: Wednesday, February 17, 2021 10:31 AM
To: Linda Vail; Joel Murr; Adenike Shoyinka; Wazhma Frotan; Jonas Ndeke; Amy Worges; Angela Shaft; Colleen Harns; Deneen Gallagher; Melissa Endres; Shelly Holtz; Tamara Jones; Wai Yi Leung; Anne Hanis; April Williams; Ashleigh Kolski; Cynthia Tran; David Rathbun; Jamie Wilkie; Jennifer Heslip; John Thottungal; Mende Palmer; Patricia Raines; Samantha Soltis; Shymari Harris; Teresa Spears; Tiffany Tyson; Wyki Pang
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STATE OF MICHIGAN

GRETCHEN WHITMER
GOVERNOR

DEPARTMENT OF HEALTH AND HUMAN SERVICES
LANSING

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DIRECTOR

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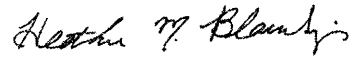
Shipping of samples should follow Category B regulations. Any shipping materials can be provided to labs that need assistance in procuring materials or shipping labels. Please email MDHHSlab@michigan.gov with your request. In the request, please include a note that the shipping materials will be used for sequencing surveillance and a point of contact with shipping address and phone number. Please be specific about the items that you are requesting and the quantity of specimens that you will be shipping. These items will only be sent out upon each request due to the number of resources available and ability to reutilize some of the materials upon receipt at BOL. Shipments should be planned out so that they arrive at BOL on Monday to Friday to ensure that samples are received.

The attached requisition form is to be used and returned with any sample submissions for SARS-CoV-2 sequencing. If you will be able to contribute more than 10 samples a week or have additional questions, please use my contact information below and we can discuss submission options.

Results obtained from whole genome sequencing of submitted samples are not meant for clinical care and will not be generated in a report format. Public facing analyses are still being developed to share information. As development nears completion, additional information will be shared on how to access data and the finalized format.

Thank you in advance for helping to contribute to the State of Michigan's response to SARS-CoV-2 through whole genome sequencing!

Sincerely,

A handwritten signature in black ink, reading "Heather M. Blankenship". The signature is written in a cursive, flowing style.

Heather Blankenship, PhD
Bioinformatics and Sequencing Section Manager
Department of Health and Human Services
Bureau of Laboratories
Division of Infectious Diseases
3350 N. Martin Luther King Jr. Blvd.
Lansing, MI 48906
Email: blankenshiph@michigan.gov
PHONE: 517-335-0095



STATE OF MICHIGAN

GRETCHEN WHITMER
GOVERNOR

DEPARTMENT OF HEALTH AND HUMAN SERVICES
LANSING

ROBERT GORDON
DIRECTOR

15 January 2021
RE: SARS-CoV-2 Sample Request

To whom this may concern,

The Michigan Department of Health and Human Services Bureau of Laboratories has been providing support for the SARS-CoV-2 response through performing whole genome sequencing. The ability to accurately examine outbreaks within facilities, community transmission dynamics, and the emergence of new variants requires a diversity of samples throughout the state.

We are requesting 10 positive SARS-CoV-2 residual samples, at least 500 ul, to be frozen and sent to the state laboratory in the specimen tube on a weekly basis.

Accepted Specimens for the Novel 2019 Coronavirus (SARS-CoV-2) sequencing analysis are:

- Nasopharyngeal swabs in viral transport medium, Amies Transport Media, or PBS;
- Nasal swabs in viral transport medium, Amies Transport Media, or PBS;
- OP swabs in viral transport medium, Amies Transport Media, or PBS;
- Nasal aspirates;
- Mid-turbinate swabs in viral transport medium, Amies Transport Media, or PBS;
- Sputum.

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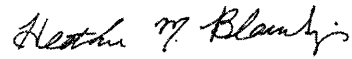
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Department of Health and Human Services
Bureau of Laboratories
Division of Infectious Diseases
3350 N. Martin Luther King Jr. Blvd.
Lansing, MI 48906
Email: blankenshiph@michigan.gov
PHONE: 517-335-0095

Becky Bennett

From: Adenike Shoyinka
Sent: Wednesday, February 17, 2021 10:34 AM
To: Weinberg, Meghan (DHHS)
Subject: RE: NEWS RELEASE: MDHHS Identifies 90 Cases of COVID Variant

Thank you!

From: Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>
Sent: Wednesday, February 17, 2021 8:50 AM
To: Adenike Shoyinka <AShoyinka@ingham.org>; Sumeer Qurashi <SQurashi@ingham.org>
Subject: RE: NEWS RELEASE: MDHHS Identifies 90 Cases of COVID Variant

I'll investigate!

From: Adenike Shoyinka <AShoyinka@ingham.org>
Sent: Wednesday, February 17, 2021 8:28 AM
To: Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>; Sumeer Qurashi <SQurashi@ingham.org>
Subject: Re: NEWS RELEASE: MDHHS Identifies 90 Cases of COVID Variant

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Thanks.

Do we have the results back about the corrections officer who lives in ingham county? We sent samples for sequencing for him and his household contacts.

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From: Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>
Sent: Wednesday, February 17, 2021 8:22:33 AM
To: Alex Bergmooser <bergmoosera@bhsj.org>; Amanda Rockol <ARockol@shiawasseechd.net>; Amber Irrer <Alrrer@ingham.org>; Anne Hanis <ahanis@ingham.org>; April Williams <AWilliams2@ingham.org>; Ashleigh Kolski <AKolski@ingham.org>; Brousseau, Geoffrey (DHHS-Contractor) <BrousseauG1@michigan.gov>; bstoddard@mmdhd.org <bstoddard@mmdhd.org>; Colleen Harns <CHarns@ingham.org>; Cynthia Tran <CTran@ingham.org>; Dena Kent <dkent@mmdhd.org>; Deneen Gallagher <DGallagher@ingham.org>; Elaine Brown <EBrown@livgov.com>; Emma Harman <EHarman@livgov.com>; Hilary Pummill <HPummill@ingham.org>; Shelly Holtz <SHoltz@ingham.org>; Jackie Anderson <JAnderson@bedhd.org>; Jamie Shepler <jshepler@mmdhd.org>; Jamie Wilkie <JWilkie@ingham.org>; Jennifer Heslip <JHeslip@ingham.org>; Jennifer J. Evans <jevens@bedhd.org>; Jennifer Johnson <jjohnson@mmdhd.org>; Jennifer Mecomber <JMecomber@mijackson.org>; John Thottungal <JThottungal@ingham.org>; Josi Rotunno <jrotunno@mmdhd.org>; Kali Nichols <nicholsk@bhsj.org>; Karley McDonald <kmcdonald@mmdhd.org>; Kris Moyer <KMoyer@livgov.com>; Wai Yi Leung <WLeung@ingham.org>; lharkness@shiawasseechd.net <lharkness@shiawasseechd.net>; Linda Weiman <LWeiman@livgov.com>; lmikesell@mmdhd.org <lmikesell@mmdhd.org>; Marji Nichols <MNichols@shiawasseechd.net>; Matthew Budd <mbudd@mijackson.org> <mbudd@mijackson.org>; Melissa Lautermilch <Melissa.Lautermilch@lenawee.mi.us>; Mende Palmer <MPalmer@ingham.org>; meredith.mackey@lenawee.mi.us <meredith.mackey@lenawee.mi.us>; Melissa Endres <MEndres@ingham.org>; Natalie Johnson <Natalie.Johnson@lenawee.mi.us>; Nicole Baran <NBaran@livgov.com>; Nicole Greenway <ngreenway@shiawasseechd.net> <ngreenway@shiawasseechd.net>; Nicole

Moline <nmoline@mmdhd.org>; Nikki Karazim <NKarazim@bedhd.org>; Norm Keon <nkeon@mmdhd.org>; Patricia Raines <PRaines@ingham.org>; paula.ulrich <paula.ulrich@lenawee.mi.us>; Rochelle Oshay <roshay@mmdhd.org>; Samantha Soltis <ssoltis@ingham.org>; Shajuana Tyson <STyson@ingham.org>; Shymari Harris <SHarris@ingham.org>; Sierra Harns <SHarns@ingham.org>; Smoyer, Stephanie A. (MDOC) <SmoyerS@michigan.gov>; Sumeer Qurashi <SQurashi@ingham.org>; Taylor Olsabeck <Tolsabeck@bedhd.org>; Teresa Spears <TSpears@ingham.org>; Theresa.Enriquez <Theresa.Enriquez@lenawee.mi.us>; Tiffany Tyson <TTyson@ingham.org>; Tamara Jones <TJones@ingham.org>; Tracy Payne (tpayne@mijackson.org) <tpayne@mijackson.org>; Wazhma Frotan <WFrotan@ingham.org>; Whitnee Smith <WSmith@ingham.org>; Amy Worges <AWorges@ingham.org>; Wyki Pang <WPang@ingham.org>; Yvonne Atwood <atwoody@bhsj.org>; Colette Scrimger <cscrimger@bedhd.org>; Dennis Chernin <dennischernin@hotmail.com>; Dianne McCormick <DMcCormick@livgov.com>; Don Lawrenchuk <DLawrenchuk@livgov.com>; Hackert, Pamela B. <phacker2@hfhs.org>; J. Daniel Woodall <jimmie.woodall@spectrumhealth.org>; Jennifer Morse <jmorse@mmdhd.org>; Juan Marquez <JMarquez@livgov.com>; Larry Johnson (Ljohnson@shiwasseechd.net) <Ljohnson@shiwasseechd.net>; Lauren Vogell <vogell@msu.edu>; Linda Vail <LVail@ingham.org>; Marcus Cheatham <mcheatham@mmdhd.org>; Martha Hall (martha.hall@lenawee.mi.us) <martha.hall@lenawee.mi.us>; Michael Foust <MFoust@co.jackson.mi.us>; Rashmi Travis <rtravis@mijackson.org>; burnsr <burnsr@bhsj.org>; Adenike Shoyinka <AShoyinka@ingham.org>; Matthew Price <d1rmrc-matt@sbcglobal.net>; Maureen Gibbons <d1rmrc-maureen@sbcglobal.net>; D1MedDir <D1MedDir@sbcglobal.net>; Hailey Brewer <hbrewer@mmdhd.org>; Christine Hendrickson <hep_hendrickson@ingham.org>; Jennifer Casarez <jcasarez@bedhd.org>; Jim Cook <cookj@bhsj.org>; Jodi DeFrenn (jdefrenn@shiwasseechd.net) <jdefrenn@shiwasseechd.net>; Lindsay Gestro <lgestro@livgov.com>; Stephanie Baker <sbaker@mijackson.org>; Susie Dice (Susie.Dice@lenawee.mi.us) <Susie.Dice@lenawee.mi.us>
Subject: FW: NEWS RELEASE: MDHHS Identifies 90 Cases of COVID Variant

FYI below, forwarding in case you see cases among MDOC Ionia Bellamy Creek (IBC) employees. Please treat as suspected variant cases with enhanced follow-up as described in the attached MIHAN from 1/26.

Thank you!
 Meghan

From: Michigan State Police <MichStatePolice@govsubscriptions.michigan.gov>
Sent: Tuesday, February 16, 2021 9:36 PM
To: Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>
Subject: NEWS RELEASE: MDHHS Identifies 90 Cases of COVID Variant



MDHHS Identifies 90 Cases of COVID Variant

IONIA, MICH. Results from the daily testing of prisoners and staff at the Bellamy Creek Correctional Facility, in Ionia, has resulted in the detection of 90 cases of the SARS-CoV-2, B.1.1.7 variant.

This testing occurred after an employee at the prison was found to have the variant and the

Michigan Department of Corrections immediately began to test daily, all prisoners and staff.

Of the first set of samples provided to the Michigan Department of Health and Human Services Bureau of Laboratories, 90 of the 95 were found to have the variant. Of the 90, there were 88 prisoners and two employees. There are more than 100 lab results still pending.

This variant is believed to be more contagious compared to the SARS-CoV-2 virus, and as soon as it was detected in the prison, additional precautions were put in place, along with the daily testing.

Since the daily testing results have come in, the number of COVID-19 positive cases at the facility has been on the decline, which indicates the swift efforts undertaken to reduce the spread is working.

Based on available evidence, current tests and vaccines for COVID-19 also work against this new variant. Protective actions that prevent the spread of COVID-19 will also prevent the spread of the new variant, B.1.1.7.

Michiganders should:

- Wash hands often.
- Wear a mask around others.
- Stay 6 feet apart from others.
- Ventilate indoor spaces.
- Make a plan to get the vaccine when the opportunity becomes available.

Any Michigander who has traveled or has possibly been exposed to an individual infected with COVID-19 should get tested for the virus. Visit: [Michigan.gov/coronavirustest](https://michigan.gov/coronavirustest) to find the nearest test site.

Information around this outbreak is changing rapidly. The latest information is available at [Michigan.gov/Coronavirus](https://michigan.gov/Coronavirus) and [CDC.gov/Coronavirus](https://cdc.gov/Coronavirus). To learn more about the COVID-19 vaccine, visit [Michigan.gov/COVIDVaccine](https://michigan.gov/COVIDVaccine).

###

MEDIA CONTACT: [Chris Gautz](#), 517-256-3790

- [JIC News Release 435 - MDOC variant.pdf](#)



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■

Becky Bennett

From: Colleen Harns
Sent: Wednesday, February 17, 2021 11:27 AM
To: Adenike Shoyinka; Sumeer Qurashi
Subject: RE: MDOC case

The MDOC B117 case has two close contacts who need to be tested. I will be calling them today after lunch to instruct them on testing.

Have you been able to discuss testing for B117 with Sparrow Lab Management so we have process going forward?

Thanks

Colleen

From: Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>
Sent: Wednesday, February 17, 2021 8:28 AM
To: Colleen Harns <CHarns@ingham.org>
Cc: Brousseau, Geoffrey (DHHS-Contractor) <BrousseauG1@michigan.gov>; Sumeer Qurashi <SQurashi@ingham.org>; Adenike Shoyinka <AShoyinka@ingham.org>
Subject: RE: MDOC case

Hi Colleen,

FYI, this individual [REDACTED] who was released from MDOC custody on 2/9 was confirmed to have the variant strain B117. The outbreak ID has been updated.

Please let me know of questions/concerns.

Thanks,
Meghan

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To: Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>
Cc: Brousseau, Geoffrey (DHHS-Contractor) <BrousseauG1@michigan.gov>
Subject: Re: MDOC case

CAUTION: This is an External email. Please send suspicious emails to abuse@michigan.gov

Good to know. Thank you Megan.

Get [Outlook for iOS](#)

From: Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>
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To: Colleen Harns <CHarns@ingham.org>
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Also, his specimen is at BOL! [REDACTED]

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Thanks!
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From: Colleen Harns <CHarns@ingham.org>
Sent: Tuesday, February 9, 2021 7:44 PM
To: Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>
Subject: MDOC case

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Thanks
Colleen

Becky Bennett

From: AShoyinka@ingham.org
Sent: Wednesday, February 17, 2021 11:41 AM
To: Colleen Harns
Cc: Sumeer Qurashi; Meghan Weinberg
Subject: Re: MDOC case

I just spoke to Jon Baker at Sparrow labs.

He said to call this number - 517-371-9400.

Provide name and birthdate.

Send client to patient center drive to be swabbed and they will assist with getting sample over to BOL.

I do worry though as to what this will mean for patients who don't have insurance, the sequencing piece won't be charged but the testing at sparrow will be. We don't want people getting bills.

One of the identified positive cases was recently released from prison. I don't know what his status is.

Meghan, do you have any insight on this?

Nike Shoyinka MD MPH
Medical Director
Ingham County Health Department

Please excuse any typos
Sent from my iPhone

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Thanks

Colleen

Becky Bennett

From: Sumeer Qurashi
Sent: Wednesday, February 17, 2021 12:05 PM
To: Colleen Harns; Adenike Shoyinka
Cc: Amy Worges; Colleen Harns; Deneen Gallagher; Melissa Endres; Wai Yi Leung
Subject: RE: Covid Variant testing process

Process:-

Fax Sparrow requisition form and the BOL sequencing testing form – ATTEN: Mr. Curtis Howard & Kara Parsons, to 517-371-9510.

Call Mr. Howard to give him a heads up and ask when can the client show up for testing.

Once he confirms, Request Client to go to 3392 Patient Care Dr., Lansing, MI 48911 – (open 8-5pm) for testing

I explained to him that we will need these to be prioritized and send the specimen to BOL only in case the results are positive.

According to him they will be using the same specimen collected for initial COVID testing to send to BOL.

Mr. Howard has agreed to the above process.

Curtis Howard – our POC

517-371-9527 office

517-256-8911 Cell

Curtis.howard@sparrow.org

Thanks

Sumeer

From: Colleen Harns <CHarns@ingham.org>
Sent: Wednesday, February 17, 2021 11:27 AM
To: Adenike Shoyinka <AShoyinka@ingham.org>; Sumeer Qurashi <SQurashi@ingham.org>
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	MDOC	Confirmed	Suspected B117		Current MDOC IBC inmate hospitalized at McLaren Gre: Lansing.
	Ingham	Confirmed	Confirmed B117		Case transferred from Wayne County on 2/15. Has been living in Okemos.

From: Sumeer Qurashi <SQurashi@ingham.org>
Sent: Wednesday, February 17, 2021 12:37 PM

To: Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>; Adenike Shoyinka <ashoyinka@ingham.org>; Colleen Harns <CHarns@ingham.org>
Subject: RE: MDOC case

CAUTION: This is an External email. Please send suspicious emails to abuse@michigan.gov

██████████ confirmed Ingham resident, initially recognized in Wayne County has been actually living in Okemos, MI

From: Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>
Sent: Wednesday, February 17, 2021 12:17 PM
To: Adenike Shoyinka <AShoyinka@ingham.org>; Colleen Harns <CHarns@ingham.org>
Cc: Sumeer Qurashi <SQurashi@ingham.org>; Sumeer Qurashi <SQurashi@ingham.org>
Subject: RE: MDOC case

BOL can do the PCR too and then sequence if PCR positive – would that help? I suppose they still need Sparrow to swab.

Here are the Ingham confirmed/suspected variants on my radar. Technically, the fourth is still under MDOC jurisdiction because he's still an MDOC inmate. I just added him here because he was hospitalized at MGL.

MDSS Investigation ID	County	Case Status	Variant Status	Sequencing Status at BOL	Notes
██████████	Ingham	Confirmed	Suspected B117	██████████	MDOC IBC employee, epi-linked to first confirmed variant at MDOC IB (Eaton ██████████)
██████████	Ingham	Confirmed	Suspected B117	██████████	HH contact of above Ingham case
██████████	Ingham	Confirmed	Confirmed B117	██████████	Former MDOC IBC inmate released Ingham county on 2/9/21
██████████	MDOC	Confirmed	Suspected B117	██████████	Current MDOC IBC inmate hospitalized at McLaren Greater Lansing.

Please correct me if I'm missing something!

From: Adenike Shoyinka <AShoyinka@ingham.org>
Sent: Wednesday, February 17, 2021 11:41 AM
To: Colleen Harns <CHarns@ingham.org>
Cc: Sumeer Qurashi <SQurashi@ingham.org>; Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>
Subject: Re: MDOC case

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I just spoke to Jon Baker at Sparrow labs.
He said to call this number - 517-371-9400.

Provide name and birthdate.

Send client to patient center drive to be swabbed and they will assist with getting sample over to BOL.

I do worry though as to what this will mean for patients who don't have insurance, the sequencing piece won't be charged but the testing at sparrow will be. We don't want people getting bills.

One of the identified positive cases was recently released from prison. I don't know what his status is.

Meghan, do you have any insight on this?

Nike Shoyinka MD MPH
Medical Director
Ingham County Health Department

Please excuse any typos
Sent from my iPhone

On Feb 17, 2021, at 11:27 AM, Colleen Harns <CHarns@ingham.org> wrote:

The MDOC B117 case has two close contacts who need to be tested. I will be calling them today after lunch to instruct them on testing.

Have you been able to discuss testing for B117 with Sparrow Lab Management so we have process going forward?

Thanks
Colleen

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Cc: Brousseau, Geoffrey (DHHS-Contractor) <BrousseauG1@michigan.gov>; Sumeer Qurashi <SQurashi@ingham.org>; Adenike Shoyinka <AShoyinka@ingham.org>
Subject: RE: MDOC case

Hi Colleen,

FYI, this individual [REDACTED] who was released from MDOC custody on 2/9 was confirmed to have the variant strain B117. The outbreak ID has been updated.

Please let me know of questions/concerns.

Thanks,
Meghan

From: Colleen Harns <CHarns@ingham.org>
Sent: Wednesday, February 10, 2021 9:24 AM
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Cc: Brousseau, Geoffrey (DHHS-Contractor) <BrousseauG1@michigan.gov>
Subject: Re: MDOC case

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Good to know. Thank you Megan.

Get [Outlook for iOS](#)

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Sent: Wednesday, February 10, 2021 9:19:45 AM
To: Colleen Harns <CHarns@ingham.org>
Cc: Brousseau, Geoffrey (DHHS-Contractor) <BrousseauG1@michigan.gov>
Subject: RE: MDOC case

Also, his specimen is at BOL! [REDACTED]

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Sent: Tuesday, February 9, 2021 8:29 PM
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Subject: RE: MDOC case

Hi Colleen,

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Thanks!
Meghan

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To: Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>
Subject: MDOC case

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[REDACTED] was released today from Bellamy Creek. His PCR test from yesterday came back positive. MDOC retested today & sent this specimen to BOL prior to cases release. He is not direct contact to variant case.

Question- I entered Outbreak Name as MDOC. Is there a specific Outbreak Name for Bellamy Creek?

Thanks
Colleen

Becky Bennett

From: Colleen Harns
Sent: Wednesday, February 17, 2021 2:02 PM
To: Adenike Shoyinka;Sumeer Qurashi
Subject: MDOC B117 contacts

I've talk to the two close contacts associated with the MDOC B117 case (inmate released to hotel).

At first both not receptive to being tested. Finally agreed but only receptive if they can go to Frandor site near their home. I've got a call out to Curtis at Sparrow to ask if this is possible.

Bad news is there was a third person in the vehicle I just discovered today. I've got a call out to that third person. But was advised that he is extremely unreceptive to anything to do with Covid. The close contact in the car ride said they were required to wear mask face shield and gloves and all three did on the drive home.

Also positive case in hotel is angry that he was told his date of released from isolation has extended from 10 days to 11 days. Now he's being told he will not be released from hotel until Saturday. Test date was February 8th. 10 days out is February 18 which means he would be released on Friday. I don't know who contacted him to extend an additional day. Maybe there is additional information that I don't know about?

This is very messy. Hopefully, Curtis agrees to Frandor collecting specimens or they may refuse to go.

Colleen

Becky Bennett

From: AShoyinka@ingham.org
Sent: Wednesday, February 17, 2021 2:04 PM
To: Colleen Harns
Cc: Sumeer Qurashi
Subject: Re: MDOC B117 contacts

I agree.
10 days would be 18th if we have the

Nike Shoyinka MD MPH
Medical Director
Ingham County Health Department

Please excuse any typos
Sent from my iPhone

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Becky Bennett

From: Sumeer Qurashi
Sent: Wednesday, February 17, 2021 2:25 PM
To: Colleen Harns; Adenike Shoyinka
Subject: RE: MDOC B117 contacts

10 days is correct. I'm unaware of any recommendation made for extension, he should be released on 2/19 if clear. Let me know if our clearance team should follow up with him on 2/19 to release him.

From: Colleen Harns <CHarns@ingham.org>
Sent: Wednesday, February 17, 2021 2:02 PM
To: Adenike Shoyinka <AShoyinka@ingham.org>; Sumeer Qurashi <SQurashi@ingham.org>
Subject: MDOC B117 contacts

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Becky Bennett

From: Colleen Harns
Sent: Wednesday, February 17, 2021 2:50 PM
To: Sumeer Qurashi; Adenike Shoyinka
Subject: RE: MDOC B117 contacts

Yes, I see no reason for him to be in isolation after Thursday. And Release from hotel Friday.
Colleen

From: Sumeer Qurashi <SQurashi@ingham.org>
Sent: Wednesday, February 17, 2021 2:25 PM
To: Colleen Harns <CHarns@ingham.org>; Adenike Shoyinka <AShoyinka@ingham.org>
Subject: RE: MDOC B117 contacts

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Colleen

Becky Bennett

From: Colleen Harns
Sent: Wednesday, February 17, 2021 4:58 PM
To: Adenike Shoyinka; Amanda Darche; Amy Worges; Anne Hanis; April Williams; Christine Hendrickson; Cynthia Tran; David Rathbun; Deneen Gallagher; Colleen Harns; Jamie Wilkie; Jennifer Heslip; Joel Murr; John Thottungal; Jonas Ndeke; Madhur Chandra; Melissa Endres; Mende Palmer; Patricia Raines; Samantha Soltis; Shelly Holtz; Shymari Harris; Sumeer Qurashi; Susan Paulson; Tamara Jones; Teresa Spears; Wai Yi Leung; Wazhma Frotan
Subject: B117 MDOC inmate released 2/9 to Ingham

I was notified by State today that MDOC case I interviewed 2/9 came back positive for B117. He is currently in Ingham County hotel until isolation ends Friday, February 19th. There were 3 adults in the car that picked him up when released from Belamy Creek on 2/9. I was initially told that only 2 close contacts were in the car. They state all were wearing masks, face shields and gloves during ride home per MDOC instructions. I have talked to 2 of the 3 close contacts re: being contacts to variant COVID case, need for continued quarantine and test for COVID. If positive, specimen to be sent to BOL for sequencing. I sent in Sparrow lab requisitions for all 3 close contacts. I will notify our ICHD Trace force that these contacts need to be monitored at a higher level due to being contacts to B117.

Colleen

Becky Bennett

From: Sumeer Qurashi
Sent: Thursday, February 18, 2021 10:35 AM
To: Amy Worges;Angela Shaft;Colleen Harns;Deneen Gallagher;Melissa Endres;Shelly Holtz;Tamara Jones;Wai Yi Leung;Adenike Shoyinka
Subject: RE: Covid Variant testing process -update 2.18.21

Mr. Howard called and said that he missed a call from Colleen yesterday bc he was in a meeting. He also shared some updated info phone & fax...-please see below highlighted.

From: Sumeer Qurashi
Sent: Wednesday, February 17, 2021 12:05 PM
To: Colleen Harns <CHarns@ingham.org>; Adenike Shoyinka <AShoyinka@ingham.org>
Cc: Amy Worges <AWorges@ingham.org>; Colleen Harns <CHarns@ingham.org>; Deneen Gallagher <DGallagher@ingham.org>; Melissa Endres <MEndres@ingham.org>; Wai Yi Leung <WLeung@ingham.org>
Subject: RE: Covid Variant testing process
Importance: High

Process:-

Fax Sparrow requisition form and the BOL sequencing testing form – ATTEN: Mr. Curtis Howard & Kara Parsons, to 517-371-9442.

Call 517-371-9400 to give them a heads up and ask when can the client show up for testing.

Preferred testing site is Sparrow Laboratories Drive-Thru Services (Formerly Sears Auto Center)– (open daily 6am-8pm)

I explained to him that we will need these to be prioritized and they need to send the specimen to BOL only in case the results are positive.

According to him they will be able to save and use the same specimen collected for initial COVID testing and send it to BOL as long as they have been notified and have the paper work.

Mr. Howard has agreed to the above process.

Curtis Howard – our POC
517-371-9527 office
517-256-8911 Cell
Curtis.howard@sparrow.org

Thanks
Sumeer

From: Colleen Harns <CHarns@ingham.org>
Sent: Wednesday, February 17, 2021 11:27 AM
To: Adenike Shoyinka <AShoyinka@ingham.org>; Sumeer Qurashi <SQurashi@ingham.org>
Subject: RE: MDOC case

The MDOC B117 case has two close contacts who need to be tested. I will be calling them today after lunch to instruct them on testing.

Have you been able to discuss testing for B117 with Sparrow Lab Management so we have process going forward?

Thanks
Colleen

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Subject: RE: MDOC case

Hi Colleen,

FYI, this individual [REDACTED] who was released from MDOC custody on 2/9 was confirmed to have the variant strain B117. The outbreak ID has been updated.

Please let me know of questions/concerns.

Thanks,
Meghan

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Cc: Brousseau, Geoffrey (DHHS-Contractor) <BrousseauG1@michigan.gov>
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Good to know. Thank you Megan.

Get [Outlook for iOS](#)

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██████████ was released today from Bellamy Creek. His PCR test from yesterday came back positive. MDOC retested today & sent this specimen to BOL prior to cases release. He is not direct contact to variant case.

Question- I entered Outbreak Name as MDOC. Is there a specific Outbreak Name for Bellamy Creek?

Thanks

Colleen

Becky Bennett

From: Colleen Harns
Sent: Thursday, February 18, 2021 10:49 AM
To: Sumeer Qurashi; Amy Worges; Angela Shaft; Deneen Gallagher; Melissa Endres; Shelly Holtz; Tamara Jones; Wai Yi Leung; Adenike Shoyinka
Subject: Re: Covid Variant testing process -update 2.18.21

Thank you

Get Outlook for iOS

From: Sumeer Qurashi <SQurashi@ingham.org>
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To: Amy Worges <AWorges@ingham.org>; Angela Shaft <AShaft@ingham.org>; Colleen Harns <CHarns@ingham.org>; Deneen Gallagher <DGallagher@ingham.org>; Melissa Endres <MEndres@ingham.org>; Shelly Holtz <SHoltz@ingham.org>; Tamara Jones <TJones@ingham.org>; Wai Yi Leung <WLeung@ingham.org>; Adenike Shoyinka <AShoyinka@ingham.org>
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Thanks
Colleen

Becky Bennett

From: Colleen Harns
Sent: Friday, February 19, 2021 12:19 PM
To: Gordon Satoh; Shelly Holtz; Adenike Shoyinka; Joel Murr
Cc: Wai Yi Leung; Wazhma Frotan; Tamara Jones
Subject: RE: Client in Best Western

I have a call out to Dr. Shoyinka, ICHD Medical Director & Joel Murr, ICHD Deputy Health Officer, for further direction.

From: Gordon Satoh <GSatoh@ingham.org>
Sent: Friday, February 19, 2021 12:08 PM
To: Colleen Harns <CHarns@ingham.org>; Shelly Holtz <SHoltz@ingham.org>
Cc: Wai Yi Leung <WLeung@ingham.org>; Wazhma Frotan <WFrotan@ingham.org>; Tamara Jones <TJones@ingham.org>
Subject: RE: Client in Best Western

Dear Colleen:

[REDACTED] was told that he had to be out of the Best Western by 12:00 Noon.

I understand that his transportation ([REDACTED]) is under strict quarantine due to Var. B.1.1.7 exposure. They are willing to pick him up double masked and transport him to [REDACTED] Grandparents' home.

Please let me know how you would like me to proceed and how to inform these Cases. I am on the phone with [REDACTED]. They are frustrated, and I want to do this right thing for all involved.

Thank you for your time and consideration in this matter.

Sincerely,
Gordon Satoh
Contact Tracing
Ingham County Health Department
Communicable Disease
5303 S. Cedar Street
Lansing, MI 48911
Direct 517.930.8208
Email: gsatoh@ingham.org



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From: Colleen Harns <CHarns@ingham.org>
Sent: Friday, February 19, 2021 12:03 PM
To: Gordon Satoh <GSatoh@ingham.org>; Shelly Holtz <SHoltz@ingham.org>
Cc: Wai Yi Leung <WLeung@ingham.org>; Wazhma Frotan <WFrotan@ingham.org>; Tamara Jones <TJones@ingham.org>
Subject: RE: Client in Best Western

Shelly please this to forward to Sumeer and Joel so they can address transportation issue of release MDOC case.
Thanks
Colleen

From: Gordon Satoh <GSatoh@ingham.org>
Sent: Friday, February 19, 2021 11:03 AM
To: Shelly Holtz <SHoltz@ingham.org>; Colleen Harns <CHarns@ingham.org>
Cc: Wai Yi Leung <WLeung@ingham.org>; Wazhma Frotan <WFrotan@ingham.org>; Tamara Jones <TJones@ingham.org>
Subject: RE: Client in Best Western
Importance: High

Dear Shelly:

Thank you. I am currently on the phone with [REDACTED] and they are releasing MDSS [REDACTED] (B.1.1.7 Variant POSITIVE Contact) today. They are telling him he can just "walk out".

[REDACTED] are under strict quarantine and cannot leave to pick this Contact up. Also, the person to whom this Contact is to be released to is elderly (> 80 years) and is concerned about contracting COVID-19.

Please advise how to proceed.

Thank you. Have a great Friday!

Sincerely,
Gordon Satoh
Contact Tracing
Ingham County Health Department
Communicable Disease
5303 S. Cedar Street
Lansing, MI 48911
Direct 517.930.8208
Email: gsatoh@ingham.org



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From: Shelly Holtz <SHoltz@ingham.org>
Sent: Friday, February 19, 2021 10:53 AM
To: Colleen Harns <CHarns@ingham.org>
Cc: Wai Yi Leung <WLeung@ingham.org>; Wazhma Frotan <WFrotan@ingham.org>; Gordon Satoh <GSatoh@ingham.org>; Tamara Jones <TJones@ingham.org>
Subject: Client in Best Western
Importance: High

Good morning,

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Thank you.



Shelly L. Holtz
Administrative Assistant
Ingham County Health Department
Communicable Disease
P.O. Box 30161
5303 S. Cedar Street
Lansing, MI 48911
Office 517.887.4308
Direct 517.887.4491
Fax 517.887.4379
Email: sholtz@ingham.org

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Becky Bennett

From: Gordon Satoh
Sent: Friday, February 19, 2021 12:20 PM
To: Colleen Harns;Shelly Holtz;Adenike Shoyinka;Joel Murr
Cc: Wai Yi Leung;Wazhma Frotan;Tamara Jones
Subject: RE: Client in Best Western

Dear Colleen:

Thank you. Please let me know how I can be of further assistance.

Sincerely,
Gordon Satoh
Contact Tracing
Ingham County Health Department
Communicable Disease
5303 S. Cedar Street
Lansing, MI 48911
Direct 517.930.8208
Email: gsatoh@ingham.org



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To: Colleen Harns;Shelly Holtz;Adenike Shoyinka;Joel Murr
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Subject: RE: Client in Best Western

Dear Colleen:

Thank you for the update. I will let [REDACTED] to proceed as planned.

I appreciate the coordination in helping to find a solution for both [REDACTED]

Thank you for your time and consideration.

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Becky Bennett

From: Adenike Shoyinka
Sent: Saturday, February 20, 2021 10:21 PM
To: Mamou, Fatema (DHHS); May, Christine; Susan Keen; Brinks, Laura
Cc: kbowen@ioniacounty.org
Subject: Re: Suspected Variant Cases in Ionia (MDOC Employee and Wife)

Thanks Chris!

Get Outlook for iOS

From: Mamou, Fatema (DHHS) <MamouF@michigan.gov>
Sent: Saturday, February 20, 2021 12:23:31 PM
To: May, Christine <cmay@ioniacounty.org>; Susan Keen <skeen@miottawa.org>; Brinks, Laura <lbrinks@ioniacounty.org>
Cc: Adenike Shoyinka <AShoyinka@ingham.org>; kbowen@ioniacounty.org <kbowen@ioniacounty.org>
Subject: RE: Suspected Variant Cases in Ionia (MDOC Employee and Wife)

Thank you so much! I will let BOL know to expect these specimens from Sparrow.

From: May, Christine <cmay@ioniacounty.org>
Sent: Saturday, February 20, 2021 12:14 PM
To: Mamou, Fatema (DHHS) <MamouF@michigan.gov>; Susan Keen <skeen@miottawa.org>; Brinks, Laura <lbrinks@ioniacounty.org>
Cc: Adenike Shoyinka <ashoyinka@ingham.org>; kbowen@ioniacounty.org
Subject: RE: Suspected Variant Cases in Ionia (MDOC Employee and Wife)

CAUTION: This is an External email. Please send suspicious emails to abuse@michigan.gov

FYI,

I spoke to the wife of these 2 cases. I have arranged for pcr testing via Sparrow Ionia Hospital and have requested that these specimens be routed to MDHHS – BOL for sequencing.

I have also called the lab and given them a heads up to expect these folks to come in today.

Incidentally, the wife also went to OUCH! For AG testing, we just haven't rec'd her positive result yet. I started a new case for her with [REDACTED]

Thank you,

Chris Simon May RN
Ionia County Health Department
Communicable Diseases
STD/HIV Clinic
Lead Poisoning
Animal Bites & Exposures

Office ph: 616-527-5341
Work Cell: 616-902-2947

From: Mamou, Fatema (DHHS) <MamouF@michigan.gov>
Sent: Friday, February 19, 2021 3:52 PM
To: May, Christine <cmay@ioniacounty.org>; Susan Keen <skeen@miottawa.org>; Brinks, Laura <lbrinks@ioniacounty.org>
Cc: Adenike Shoyinka <ashoyinka@ingham.org>; Bowen, Ken <kbowen@ioniacounty.org>
Subject: Suspected Variant Cases in Ionia (MDOC Employee and Wife)

Hello-

MMDHD learned about two new cases that are Ionia residents, husband and wife, and the husband is an IBC Prison guard.

Here are the cases

- [REDACTED] = husband, IBC prison guard, antigen positive at Ouch Urgent care
- [REDACTED] = wife, she was positive in September and this is her old case
 - She works at [REDACTED] in Clinton County and the LTC called MMDHD because she just tested positive again today.
 - She is symptomatic again, onset on Monday. MMDHD is working with Hazel Findlay on the contact investigation.

Ouch urgent care does not have their swabs but, if they both go back to Ouch, they will re-swab and get it to BOL as MMDHD is partnering with Ouch Urgent care to collect specimen to go to BOL for variant testing. It would be great if they could get reswabbed and sequenced as this now involves a potential LTC exposure.

If you have any questions or need anything please let me know.

Thank you!
Fatema

Fatema Mamou, MPH
Region 6 Epidemiologist
Surveillance and Infectious Disease Epidemiology Section
Bureau of Epidemiology and Population Health, Michigan Department of Health and Human Services
Physical Address: Kent County Health Department, 700 Fuller Ave NE, Grand Rapids, MI 49503
Ph: 616-632-7245 - Cell: 517-204-6086 E-mail: mamouf@michigan.gov

**Due to COVID-19, I am working remotely. Please contact me via cell # or e-mail for the most prompt response.*

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Becky Bennett

From: Mamou, Fatema (DHHS) <MamouF@michigan.gov>
Sent: Sunday, February 21, 2021 8:35 AM
To: Adenike Shoyinka; May, Christine; Susan Keen; Brinks, Laura
Cc: kbowen@ioniacounty.org
Subject: New Sequencing Results - 2 Variant Cases in Ionia (MDOC Employees)

Good Morning –

We received new sequencing results late last night which included 59 additional prisoners from IBC and 5 IBC employees who are positive for the variant strain (2 Ionia, 1 Barry, 1 Eaton, and 1 Montcalm).

Here are the investigation IDs for the two Ionia employees who are positive for the variant strain:

[REDACTED] specimen collection date: 2/10/21)

[REDACTED] specimen collection date: 2/11/21)

If you have any question or if there is anything I can do please let me know.

Thank you!
Fatema

Fatema Mamou, MPH
Region 6 Epidemiologist
Surveillance and Infectious Disease Epidemiology Section
Bureau of Epidemiology and Population Health, Michigan Department of Health and Human Services
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From: Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>
Sent: Monday, February 22, 2021 9:55 AM
To: bstoddard@mmdhd.org;lmikesell@mmdhd.org;Jennifer Johnson;Sarah Doak (SDoak@mmdhd.org);Taylor Olsabeck;Jackie Anderson;Amber Irrer;Anne Hanis;April Williams;Ashleigh Kolski;Colleen Harns;Cynthia Tran;Adrienne DeFord;Deneen Gallagher;Christine Hendrickson;Shelly Holtz;Jamie Wilkie;Jennifer Heslip;John Thottungal;Wai Yi Leung;Mende Palmer;Melissa Endres;Patricia Raines;Samantha Soltis;Adenike Shoyinka;Shymari Harris;Sierra Harns;Sumeer Qurashi;Teresa Spears;Tiffany Tyson;Tamara Jones;Wazhma Frotan;Amy Worges;Wyki Pang
Subject: FW: Sequencing for positive contacts of B117 variants?

Hi MMDHD, BEDHD & ICHD,

I know you've been spending a lot of time chasing down specimens for contacts to variant cases associated with MDOC. Sharing the email below from Jim regarding contacts to variant cases whose only known exposure is to the variant case. While nice to confirm with sequencing, if resources are tight and it's a challenge, then it's fine to not prioritize pursuing sequencing. To those cases, I've been including "VARB117 EPILINK" in the outbreak ID.

FYI, here's a cheat sheet of MDOC IBC outbreak IDs:

	B117 confirmed by sequencing	Suspected B117 (has an epi-link, not sequenced)
MDOC IBC inmate	VARB117MDOC_IBC	VARB117 EPILINK MDOC_IBC
MDOC IBC employee	VARB117MDOC_IBC_EMP	VARB117 EPILINK MDOC_IBC_EMP
Contact to MDOC IBC employee e.g. Household/secondary contacts	VARB117MDOC_IBC_SC	VARB117 EPILINK MDOC_IBC_SC

Thanks,
Meghan

From: Collins, Jim (DHHS) <CollinsJ12@michigan.gov>
Sent: Sunday, February 21, 2021 10:03 AM
To: Mamou, Fatema (DHHS) <MamouF@michigan.gov>; Johnson, Shannon (DHHS) <JohnsonS61@michigan.gov>; Henderson, Tiffany (DHHS) <HendersonT1@michigan.gov>; Henderson, Justin (DHHS) <HendersonJ4@michigan.gov>; Stout, Allen (DHHS-Contractor) <StoutA4@michigan.gov>
Cc: Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>; Perry, Melanie (DHHS) <PerryM12@michigan.gov>; Lai, Joyce (DHHS) <LaiJ@michigan.gov>; Parker-Strobe, Nicole (DHHS) <ParkerStrobeN@michigan.gov>; Reimink, Bethany (DHHS) <ReiminkB@michigan.gov>; Racine, Roger (DHHS) <RacineR@michigan.gov>; Schreiber, Scott (DHHS) <SchreiberS@michigan.gov>
Subject: RE: Sequencing for positive contacts of B117 variants?

Officially, it would not hurt anything, but you are absolutely right, if that is their only known exposure to a confirmed positive case, they should be treated like a variant. If resources are really tight and chasing down a specimen is a challenge, then not prioritizing that is fine. We should however identify them as such in the line list. We will need to have some way to differentiate them. Thoughts on adding "contact" to the outbreak identifier?

From: Mamou, Fatema (DHHS) <MamouF@michigan.gov>

Sent: Sunday, February 21, 2021 9:55 AM

To: Johnson, Shannon (DHHS) <JohnsonS61@michigan.gov>; Collins, Jim (DHHS) <CollinsJ12@michigan.gov>; Henderson, Tiffany (DHHS) <HendersonT1@michigan.gov>; Henderson, Justin (DHHS) <HendersonJ4@michigan.gov>; Stout, Allen (DHHS-Contractor) <StoutA4@michigan.gov>

Cc: Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>; Perry, Melanie (DHHS) <PerryM12@michigan.gov>; Lai, Joyce (DHHS) <LaiJ@michigan.gov>; Parker-Strobe, Nicole (DHHS) <ParkerStrobeN@michigan.gov>; Reimink, Bethany (DHHS) <ReiminkB@michigan.gov>; Racine, Roger (DHHS) <RacineR@michigan.gov>; Schreiber, Scott (DHHS) <SchreiberS@michigan.gov>

Subject: Sequencing for positive contacts of B117 variants?

Hello –

LHDs who have MDOC employees who are positive for the B117 variant are asking if close contacts who have become symptomatic after contact with the variant case and then subsequently tested positive for COVID-19 need to have a sample recollected to go to BOL for sequencing. Is this something MDHHS would like? I was wondering if this is necessary or if we should just assume they are also infected with the variant.

Thanks!

Fatema

Fatema Mamou, MPH
Region 6 Epidemiologist
Surveillance and Infectious Disease Epidemiology Section
Bureau of Epidemiology and Population Health, Michigan Department of Health and Human Services
Physical Address: Kent County Health Department, 700 Fuller Ave NE, Grand Rapids, MI 49503
Ph: 616-632-7245 - Cell: 517-204-6086 E-mail: mamouf@michigan.gov

**Due to COVID-19, I am working remotely. Please contact me via cell # or e-mail for the most prompt response.*


"Confidentiality Notice: This message, including any attachments, is intended solely for the use of the named recipient(s) and may contain confidential and/or privileged information. Any unauthorized review, use, disclosure or distribution of this communication(s) is expressly prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy any and all copies of the original message."

Becky Bennett

From: Mamou, Fatema (DHHS) <MamouF@michigan.gov>
Sent: Wednesday, February 24, 2021 10:19 AM
To: Adenike Shoyinka; May, Christine; Brinks, Laura; Aimee Keefer
Cc: kbowen@ioniacounty.org
Subject: New Sequencing Results - 2 Additional Variant Cases in Ionia (MDOC Employees)

Good Morning –

We received new sequencing results late last night which included 20 additional prisoners from IBC and 2 IBC employees who are positive for the variant strain. Both IBC employees are from Ionia. The investigation IDs are below.

 (specimen collection date: 2/12/21)
(specimen collection date: 2/12/21)

Please note: I was able to confirm that MDHHS would like household contacts of variant and suspect variant cases to begin their quarantine after the last day of isolation of the case regardless of whether the case can isolate within the household or not.

If you have any question or if there is anything I can do please let me know.

Thank you!
Fatema

Fatema Mamou, MPH
Region 6 Epidemiologist
Surveillance and Infectious Disease Epidemiology Section
Bureau of Epidemiology and Population Health, Michigan Department of Health and Human Services
Physical Address: Kent County Health Department, 700 Fuller Ave NE, Grand Rapids, MI 49503
Ph: 616-632-7245 - Cell: 517-204-6086 E-mail: mamouf@michigan.gov

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Becky Bennett

From: Mamou, Fatema (DHHS) <MamouF@michigan.gov>
Sent: Thursday, February 25, 2021 8:35 AM
To: Adenike Shoyinka; May, Christine; Brinks, Laura; Aimee Keefer
Cc: kbowen@ioniacounty.org
Subject: New Sequencing Results - 3 Additional B117 Variant Cases in Ionia (MDOC Employees)

Good Morning,

We received new sequencing results last night which included 77 additional prisoners from IBC and 6 IBC employees (3 Ionia, 1 Clinton, 1 Eaton, and 1 Kent) who are positive for the B117 variant strain. The investigation IDs for the Ionia cases are below.



If you have any question or if there is anything I can do please let me know.

Thank you!
Fatema

Fatema Mamou, MPH
Region 6 Epidemiologist
Surveillance and Infectious Disease Epidemiology Section
Bureau of Epidemiology and Population Health, Michigan Department of Health and Human Services
Physical Address: Kent County Health Department, 700 Fuller Ave NE, Grand Rapids, MI 49503
Ph: ~~616-632-7245~~ - Cell: 517-204-6086 E-mail: mamouf@michigan.gov

**Due to COVID-19, I am working remotely. Please contact me via cell # or e-mail for the most prompt response.*

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Becky Bennett

From: Lisa Malone
Sent: Thursday, February 25, 2021 3:28 PM
To: Adenike Shoyinka;Adriana Leo;Adrienne DeFord;Amanda Darche;Amber Irrer;Amy Williams;Amy Worges;Becky Elliott;Bill Haun;Brittany Moore;Christine Hendrickson;Colleen Harns;Deneen Gallagher;Dhana Korganji;Eric Thelen;Jennifer Granning;Joel Murr;Jonathan Lawrence;Julie Fry;Kalyann Lyons;Kris Drake;Kristin Arnold;Kristy Rappe;LaVella Todd;Linda Vail;Lisa Chambers;Madhur Chandra;Marla Haun;Mary Machowicz;Melissa Endres;Rachel Stoecker;Renee Kouyate;Rich Estill;Robert Boerkoel;Rona Harris;Sara McMahan;Sarah Kenney;Shajuana Tyson;Sierra Harns;Stephanie Keith;Steve Cousineau;Sumeer Qurashi;Terri Jenness;Todd Wells;Trisha Steffens;Wai Yi Leung;Wendy Ridenour;Whitnee Smith;Yohannes Wondimagegnehu;Zekiye Salman
Subject: IC Team Meeting Minutes - Thursday, February 25, 2021
Attachments: IC Mtg Mins 2.25.21.docx

Attached for your reference are the minutes from today's Incident Command Team Meeting.

Lisa E. Malone

Executive Assistant

5303 S. Cedar Street
Lansing, MI 48911
P: 517-887-4629





INGHAM COUNTY HEALTH DEPARTMENT

Name of Meeting: COVID-19 Incident Command Meeting

Date of Meeting: 2/25/21

Attendees: Steven Beard, KC Brown, Jared Cypher, Rob Dale, Amanda Darche, Adrienne DeFord, Debbie Edokpolo, Rebecca Elliott, Bill Engelter, Rich Estill, Julie Fry, Gregg Ginebaugh, Christine Hendrickson, Sarah Kenney, Adriana Leo, Mary Machowicz, Sally Meyer, Teri Morton, Joel Murr, Dave Oslund, Bill Priese, Sumeer Qurashi, Wendy Ridenour, Zekiye Salman, Randy Talifarro, Eric Thelen, Liz Wagner Parker, Dr. Shoyinka, Jason Stevens, Linda Vail

Recording Secretary: Lisa Malone

Topic

Introductions, Background

Reports:

- **Incident Commander**
Linda Vail

Linda opened meeting with greetings to all. Cases, hospitalizations and deaths all dropping. We are a bit behind other counties due to the outbreak in January. We are continuing to Wright vaccination events.

- **Operations Chief (including CD Strike Team)**
Sumeer Qurashi
 - **Isolation/Quarantine Strike Team Leader**
Lisa Chambers/Sarah Kenney
 - **Mass Vaccination Strike Team**
Wendy Ridenour
 - **Testing Strike Team**
Mary Machowicz

Wendy: Numbers for last 2 weeks: 7459 vaccines in last 2 weeks; at Dwight Rich we vaccinated 468, 218 to MSU police. Strike teams have gone out 2 places and Urgent Care held a clinic for a combined total of 148 vaccines given. We distributed 300 doses to Care Free for vaccinating their patients. Our strike team held 2 clinics last week. We have finished the LTC facilities who were not partnered with pharmacies and have segued into independent living and senior housing sites. We also held two pop up vaccination events last week: one at Riverfront Apartments and another at Capital Commons. Christine, Jeff and Mary did site visits this week to Friendship Manor and Grange Acres to schedule vaccination clinics.

Friendship Manor and Grange Acres for at least 2 days. Beginning to reach out to our senior living populations.

Jessica: Developed new outreach materials last week. Will share link. We needed a flier to walk people through registering, what to expect. Continued partnerships with faith-based partners regarding a second town hall with the goal of reaching older people of color to educate, share information and answer questions all geared at easing their apprehensions. Created so that can see what we are doing and where we are going. Some preliminary data was provided regarding racial and ethnic breakdown of who has been vaccinated thus far. Early data suggests that of all the residents we have vaccinated, the black population is comprises only at 6% of our total vaccinations. Setting goals to increase vaccinations particularly with people of color. Linda noted that in the data we are seeing thus far, 19% of our African American population are willing to get the vaccine right now and another 29% are willing but want to wait. Part of the issue is being where people are, assisting with registration, information, etc. We still have many people of color not even willing to consider vaccination yet. The main focus is educating the black community about the vaccine and specifically including grass roots partners in the black community as sources of influence.

Topic	
	<p>Hesitancy must be addressed alongside access.</p> <p>Sarah: We currently have 20 in the hotel.</p> <p>Mary: Testing has slowed quite a bit. Working on with Dr. Shoyinka on assessment control group who is doing assessments of residential care. Receiving interest from them on antigen testing training. Will increase this training after vaccines are administered. Returning quite a few antigen tests to the state.</p>
<ul style="list-style-type: none"> • Medical Consultant Dr. Adenike Shoyinka 	<p>In total, we have over 15,398 total cases. CD is currently reporting 841 active cases. Trace forces are supporting us in contact tracing and case investigations. Signing up with Patient Education Genius for case investigation where information is sent to the cases directly making the tracing process more efficient. This should be going live tomorrow. We do have a few B117 cases in the county, up to 5 total cases. Three of these are directly related to an outbreak in Bellamy Creek. Two more reported were related to a transplant case here in Ingham County. In the state overall, we have near 300 cases. We are having outbreaks within schools related to sports activities (basketball) This will effect a number of counties including Ingham and Flint. We have many cases that we are currently housing. Sumeer's team continues to work on this. Working extensively with our LTC facilities, and continue to assist them with vaccines and testing. Linda brought all Ingham County superintendents to a meeting last Friday with the purpose of instilling how vital it is to have students/athletes practice proper PPE wearing and distancing, or sports will have to be suspended. Linda will also be contacting the Michigan High school Athletic Association to make the mask issue a uniform infraction.</p>
<ul style="list-style-type: none"> • Planning Chief (including Documentation Unit) Joel Murr <ul style="list-style-type: none"> ○ Strike Team Sally Meyer ○ Mass Vaccination Unit Adrienne DeFord ○ Situation Unit Leader Jonas Ndeke ○ Resource Unit Leader Zekiye Salman/Terri Jenness/Kelly Burkholder 	<p>Joel: Planning is focused on vaccination sites, pop up events and community vaccination events. Working to get vaccination van up and running soon. This will add more flexibility to go on site to people unable to get out. Joel thanked Isolation and Quarantine team for their transporting people to the hotel as this is not an easy task. Wendy and Joel meeting with</p> <p>Adrienne: The state is not providing zip code data we would like to have. Adding to the earlier conversation regarding African Americans comprising 6% of total vaccinations, that this number is cumulative of all the vaccinations given which includes occupationally based front line responders which is disproportionately not representative of our actual community demographics. The 65+ data will be a better indicator of this percentage.</p> <p>Zekiye: We are making plans to staff the fairgrounds and filling gaps created by Lansing Urgent Care cutting back to vaccinating 2 days per week. Joel has funding for staffing the mobile bus. Also working with volunteers to get the fairgrounds up and running as these are very staff-heavy operations.</p> <p>Adriana: Actively working on our volunteer poll and currently have over 400 vetted and have come through our system. Last Thursday we gave over 1400 vaccinations and the majority of those working were volunteers.</p>
<ul style="list-style-type: none"> • Public Information Officer Amanda Darche 	<p>On Friday, Feb 19th we sent out press release encouraging folks interested in receiving a vaccine to connect with other entities to apply for vaccinations. We have been sharing a progress toward goals graphic weekly on social media. We and have seen 43% of our residents 65+ vaccinated with at least their first dose. This includes all providers vaccinating. Of Ingham County's total population, 34,413 residents have received at least their first dose. This means we have reached 20% of our goal to vaccinate 70% of our population 16 years and up. Outreach: we are in contact with UnoDeuce regarding creating PSA videos featuring</p>

Topic	
	community leaders encouraging being vaccinated. More on this soon. Planning to meet with GOV Delivery (specifically for Government agencies) who provide mass emailing capabilities as well as allowing us to do mass text messaging.
<ul style="list-style-type: none"> Liaison Officer Christine Hendrickson 	Getting out to senior living and independent senior sites. We are gathering names of new Senior living sites and continue to add them to our list to assist in vaccinating the senior community. Working on survey to send to these living to get a better sense of the needs at each facility.
<ul style="list-style-type: none"> Logistics Chief (including Supply Unit) Julie Fry <ul style="list-style-type: none"> Service Branch Director (including Communications Unit) Rich Estill 	<p>Julie: Working on getting all supplies for fairgrounds and also keeping all vaccination sites and clinics supplied with necessary PPE.</p> <p>Rich: We continue to work on having network connectivity at fairgrounds.</p>
<ul style="list-style-type: none"> Finance Chief (including Time Unit and Cost Unit) Eric Thelen 	Nothing new to report.
<ul style="list-style-type: none"> Ingham Community Health Centers Kris Drake 	Last week, due to County shutting operations, we were able to vaccinate 23 patients, and this week we were able to vaccinate 49 patients through our Forest Drive-Through Vaccination site. We will continue to have the Forest drive through sites and will continue to participate in the Federal Government's direct supply vaccination program.
<ul style="list-style-type: none"> Other 	Jason Stevens noted that CVS is vaccinating everyone in the LTC facilities, not just those over 65, so that they don't have to return to that facility. This is direct contract between the CDC and CVS. Decisions regarding who is vaccinated are controlled by those managing the complex. CVS does not contest this. Jeff Yonker supplied a contact number to MDHHS regarding means support.
Action Items (what it is and who is assigned to work on it)	Meeting adjourned at 10:08

Becky Bennett

From: Michigan Health Alert Network <b65c0f62-0005-3000-80c0-fceb55463ffe@notify.michiganhan.org>
Sent: Friday, February 26, 2021 11:45 AM
To: Adenike Shoyinka
Subject: Moderna and Pfizer Orders Placed For Shipment Next Week
Attachments: Moderna Email Notice Updated 2-25-2.docx; Moderna Orders Alloc-Ship Wk 2-28-2.xlsx; Pfizer Email Notice Updated 2-25-21.docx; Pfizer Orders Alloc-Ship Wk 2-28-21.xlsx; SVI Outreach Zip Codes.xlsx

Nike Shoyinka,

Good Morning,

Attached are the Pfizer and Moderna vaccine orders placed today for shipment next week. We have also attached the mail merge notices sent to each site with an order placed.

Please note the reminder about VaccineFinder in the mail merge notice - Regardless of documentation in the MCIR, providers **must report their on-hand COVID-19 vaccine inventory to VaccineFinder every day** as required by CDC. For tip sheets and videos on using VaccineFinder, please visit <https://vaccinefinder.org/covid-provider-resources>.

- Contact Information for VaccineFinder Provider Support
 - eocevent522@cdc.gov for registration / email change help and for general COVID VaccineFinder inquiries, or
 - vaccinefinder@castlighthealth.com for technical assistance with account log-in problems, password resets, file upload errors, etc.

If you have questions, please email checcimms@michigan.gov.

--This message was sent to LPH EPC, HO, MD, LHD CD and Imms Roles, MDHHS CHECC staff, mailboxes and Leadership roles.--

You may respond by doing one of the following:

- Click the appropriate response in the following list of response options,
- Or, reply via email with your response option. Please note that you must include the number of your response option, such as **1**, in the body of your email in order for your response to be recorded.

Option# Response:

1. Message Received.

Thank you,
Michigan Health Alert Network

Email for Moderna Orders – 2/25/21

To: Email 1 and Email 2 in spreadsheet

SUBJECT: Notification of Moderna Vaccine Order

MDHHS has submitted an order for distribution of the Moderna vaccine for «Site Name». Your facility will be receiving XXXXX total Moderna doses in the upcoming week:

- XXXX are designated as First doses.
- XXXX are designated as SECOND doses.

These doses are anticipated to arrive on Monday or Tuesday.

Distributors utilize the shipping hours as entered in your MCIR VFC Shipping tab. Please ensure your shipping hours and address correctly reflect your ability to receive orders. To check shipping information in your MCIR site (hours, address, etc.), please utilize this tip sheet.

Ancillary kits for Moderna vaccine will arrive within 24 hours of the vaccine.

Temperature reminder: Keep in mind that Moderna is stored at a *more narrow frozen temperature range than other frozen vaccines such as varicella-containing vaccines*, so please ensure your freezer is within the appropriate range: It is to be stored frozen between -25°C and -15°C (-13°F and 5°F). It can also be stored at refrigerated temperatures between 2°C and 8°C (36°F and 46°F) for up to 30 days before vials are punctured.

VaccineFinder Requirement Reminder: All providers must report inventory each day to VaccineFinder, as required by CDC. For tip sheets and videos on using VaccineFinder, please visit <https://vaccinefinder.org/covid-provider-resources>.

- Contact Information for VaccineFinder Provider Support
 - eocevent522@cdc.gov for registration / email change help and for general COVID VaccineFinder inquiries, or
 - vaccinefinder@castlighthhealth.com for technical assistance with account log-in problems, password resets, file upload errors, etc.

Sign up to Review Order Details and Receive Shipment Emails with Tracking IDs

- Review this tip sheet to see how you can review order details and receive email notifications for shipments, including tracking IDs. This allows you to add “**e-order contacts**” to your MCIR site for this enhanced order review ability. These emails will come from mcir@michigan.gov. This guidance is also included on our website, along with additional inventory support.

FIRST DOSES will no longer be ordered via requests. First dose orders have transitioned to allocation-based ordering only (order notifications will continue for both).

SECOND DOSES will no longer be ordered via requests. Second dose orders have transitioned to allocations based on previous first dose orders. For Pfizer, second dose orders will be sent 3 weeks after the first dose Pfizer order was placed. Second dose orders for Moderna doses 4 weeks after the first dose Moderna order was placed.

It is the responsibility of the ordering provider to ensure that second doses are not used for first doses and are available for timely second dose vaccination. **Please mark second dose vaccine packaging as SECOND DOSE ONLY to visually identified that these vaccines are reserved for second dose.** Ideally, these vaccines would be stored in a separate shelf or freezer/refrigerator. CDC is allocating exact numbers of second doses based on first doses distributed. If you have inadvertently used your second dose as first dose, you will need to make use of your existing first dose inventory to make up that lapse.

Use of vaccine: Michigan is currently vaccinating individuals who are:

PHASE 1A: Paid and unpaid persons serving in health care settings who have the potential for direct or indirect exposure to patients or infectious materials and are unable to work from home, as well as residents in long-term care facilities.

PHASE 1B Group A and B only:

Group A: Persons 75 years of age or older not covered in Phase 1A. This includes those in a congregate setting that were not reached in Phase 1A.

Group B: Prioritized frontline workers whose work role has frequent or intense exposure, and, due to the nature of the work, are not able to maintain social distance. For example, a first responder may have to physically touch other people in their response, and a child care provider cannot maintain social distance from children when caring for their physical needs. The specific prioritized categories are:

- Pre-Kindergarten through high school teachers, support staff and child care workers who usually have direct contact with children
- First responders not covered in Phase 1A (e.g., firefighters, police, conservation officers, inspectors)
- Corrections workers (e.g., staff in prisons, jails, juvenile justice facilities)
- Workers in homeless shelters, congregate child care institutions, and adult and child protective services
- Beginning March 1, 2021: Frontline essential workers in the food processing and agricultural industries

PHASE 1C Group A ONLY: Individuals age 65 to 74 years. This includes those in congregate settings that were not reached in prior Phases.

Coordination: Local health departments are responsible for oversight and implementation of the vaccine strategy within their jurisdictions. They play a crucial convening and coordination role in both the distribution and administration of vaccine.

Hospitals are being provided this vaccine to administer to individuals who are in Phase 1a and individuals who are aged 65 years or older (Phase 1b Group A and Phase 1c Group A). Any vaccinations of non-health care essential workers in Phase 1b Group B should be coordinated with the local health department. Other groups are not currently eligible for vaccination.)

Vaccine Transfer: The Covid-19 vaccine is a federal asset and requires proper accounting at provider, state and federal levels. Transfer of vaccine should be minimized, may only occur between Federally Enrolled COVID providers for the same use that the vaccine was originally allocated for, and must be made after review of the Federal COVID vaccine redistribution form by the state health department Immunization Program. The vaccine inventory can then be transferred within MCIR to the new provider

If an ordering provider is unable to use their allocated doses within the intended population in a reasonable time frame, they should reach out to the local health department they are located in to identify a partner who can make appropriate use of the vaccine and to coordinate the transfer. Each ordering provider is responsible for managing the need and timing for second dose. If you transfer doses you are responsible for assuring second doses are transferred to that provider as well.

Outreach: MDHHS is committed to ensuring that all Michiganders have equitable access to vaccines. Ordering providers can make use of the below table to identify zip codes and census tracts to focus outreach efforts (see attached SVI Outreach Zip Codes). The table includes the census tracts which are in the highest quartile for Social Vulnerability Index and their associated zip codes.

Sign up to Review Order Details and Receive Shipment Emails with Tracking IDs

- Review this [new tip sheet](#) to see how you can review order details and receive email notifications for shipments, including tracking IDs. This allows you to add “**e-order contacts**” to your MCIR site for this enhanced order review ability. These emails will come from mcir@michigan.gov. Moderna does not send direct shipment notices, so please be sure to add appropriate users to your MCIR site accordingly. This guidance is also included on [our website](#), along with additional inventory support.

Reminders and Resources for Support:

- Please review our new MDHHS website [COVID-19 Vaccine Provider Guidance & Educational Resources](#). Save/bookmark this site as it will be updated frequently.
 - **Moderna-specific materials are available on this website**

If you have questions, please email checcimms@michigan.gov.

Thank you.

County, ZIP and High-Risk Census Tracts	High-risk Tract, SVI Score (2014-18)	County, ZIP and High-Risk Census Tracts	High-risk Tract, SVI Score (2014-18)	County, ZIP and High-Risk Census Tracts	High-risk Tract, SVI Score (2014-18)
Allegan	0.82	Lake	0.87	Wayne	0.89
49010	0.88	49402	0.92	48125	0.80
26005031000	0.88	26085961200	0.92	26163572500	0.81
49423	0.77	49642	0.82	26163572900	0.79
26005032200	0.77	26085961100	0.82	48126	0.83
Arenac	0.77	Lenawee	0.93	26163573400	0.83
48658	0.77	49221	0.95	48127	0.77
26011970200	0.77	26091061301	0.99	26163571800	0.79
48659	0.77	26091061302	0.98	26163571900	0.76
26011970500	0.77	26091061400	0.87	48141	0.94
Baraga	0.77	26091061600	0.96	26163570400	0.98
49946	0.77	49248	0.87	26163570500	0.90
26013000200	0.77	26091061700	0.87	26163570600	0.93
Bay	0.82	Mackinac	0.83	26163570800	0.99
48706	0.80	49775	0.83	26163570900	0.89
26017280700	0.76	26097950500	0.83	26163571000	0.92
26017285800	0.84	Macomb	0.85	48146	0.77
48708	0.84	48015	0.84	26163577300	0.77
26017280900	0.76	26099268100	0.84	48174	0.81
26017286500	0.93	48021	0.79	26163585500	0.87
48732	0.82	26099258300	0.78	26163585700	0.76
26017285202	0.82	26099258400	0.80	48180	0.87
Berrien	0.88	48035	0.78	26163583200	0.76
49022	0.94	26099241500	0.79	26163584200	0.92
26021000300	0.93	26099242100	0.78	26163584600	0.92
26021000400	1.00	48036	0.85	48184	0.83
26021000500	0.91	26099240800	0.76	26163566500	0.85
26021000600	0.95	26099245000	0.94	26163566900	0.85
26021002000	0.82	48043	0.98	26163585600	0.80
26021002100	0.98	26099240000	1.00	48186	0.96
26021002200	1.00	26099247100	0.95	26163568500	0.96
26021002300	0.92	48045	0.76	48201	0.92
49038	0.77	26099241000	0.76	26163517500	0.91
26021002500	0.77	48051	0.78	26163521800	0.89
49098	0.82	26099222101	0.78	26163522500	0.95
26021010300	0.82	48066	0.86	48202	0.93
49107	0.76	26099255200	0.83	26163511200	0.94
26021020200	0.76	26099255700	0.83	26163511900	0.91
49111	0.77	26099256100	0.80	26163532400	0.95
26021010500	0.77	26099256600	0.97	48203	0.92

49120	0.86	48089	0.85	26163507800	0.98
26021020500	0.85	26099262600	0.77	26163507900	0.77
26021020700	0.96	26099264000	0.96	26163508000	0.96
26021020900	0.78	26099264200	0.81	26163508100	0.94
Branch	0.89	26099268400	0.85	26163511400	1.00
49030	0.79	48091	0.91	26163553000	0.89
26023951200	0.79	26099262400	0.99	26163553100	0.91
49036	0.94	26099262500	0.78	26163553200	0.80
26023951400	0.91	26099263200	0.95	26163553300	0.92
26023951600	0.97	26099263500	0.90	26163553400	0.99
Calhoun	0.90	26099263600	0.95	26163553800	0.90
49014	0.91	26099263800	0.89	48204	0.93
26025000600	0.94	48314	0.76	26163526500	0.98
26025002100	0.88	26099228100	0.76	26163527200	0.99
49015	0.91	Mason	0.76	26163530800	0.94
26025001300	0.97	49405	0.76	26163533500	0.94
26025001400	0.85	26105950600	0.76	26163533600	0.88
49016	0.96	Mecosta	0.85	26163534600	0.88
26025004100	0.96	49307	0.85	26163534700	0.89
49017	0.93	26107960500	0.85	48205	0.86
26025001100	0.93	Missaukee	0.83	26163500300	0.84
49037	0.91	49667	0.83	26163500400	0.88
26025000300	0.99	26113960100	0.83	26163503100	0.88
26025001000	0.96	Monroe	0.97	26163503400	0.88
26025002600	0.80	48161	0.97	26163503500	0.86
49068	0.76	26115831800	0.97	26163503600	0.90
26025004000	0.76	Montcalm	0.79	26163505200	0.79
49224	0.89	48809	0.81	48206	0.91
26025003300	0.97	26117971300	0.81	26163530900	0.99
26025003500	0.77	48812	0.76	26163531100	1.00
26025003600	0.93	26117970200	0.76	26163531400	0.85
Cass	0.89	48886	0.79	26163532200	0.90
49045	0.86	26117970400	0.79	26163533100	0.91
26027002000	0.86	Muskegon	0.91	26163533200	0.84
49047	0.93	49442	0.94	48207	0.89
26027002100	0.93	26121000100	0.86	26163516200	0.99
Cheboygan	0.89	26121000300	0.99	26163516300	0.90
49721	0.89	26121000500	0.98	26163516600	0.94
26031960300	0.89	49443	0.93	26163516700	0.83
Chippewa	0.80	26121004200	0.93	26163516800	0.85
49783	0.80	49444	0.90	26163518600	0.76
26033970200	0.84	26121000601	0.89	26163518800	0.87
26033970300	0.76	26121001200	0.86	26163518900	0.97

Clare	0.84	26121001300	0.91	48208	0.93
48617	0.75	26121002601	0.84	26163522000	0.98
26035000600	0.75	26121004300	1.00	26163522100	0.77
48625	0.86	49445	0.87	26163522200	0.97
26035000900	0.82	26121000401	0.96	26163522300	0.97
26035001000	0.88	26121001902	0.78	26163527300	0.98
26035001300	0.90	Newaygo	0.83	26163532600	0.86
Clinton	0.91	49337	0.89	26163533000	1.00
48906	0.91	26123970700	0.89	26163533300	0.90
26037010203	0.91	49412	0.80	48209	0.94
Crawford	0.82	26123970300	0.80	26163523400	0.93
49738	0.82	49413	0.75	26163524900	0.96
26039960300	0.82	26123970500	0.75	48210	0.89
Delta	0.86	49457	0.88	26163525400	0.97
49829	0.79	26123971200	0.88	26163526400	0.82
26041971000	0.79	Oakland	0.91	48211	0.94
49894	0.93	48033	0.90	26163518500	0.94
26041970800	0.93	26125160300	0.96	48212	0.91
Dickinson	0.79	26125161800	0.84	26163506500	0.83
49802	0.79	48076	0.85	26163507000	0.95
26043950600	0.79	26125160500	0.80	26163552100	0.96
Eaton	0.84	26125161400	0.90	48213	0.87
48813	0.84	48220	0.95	26163503900	0.86
26045020901	0.84	26125172500	0.95	26163504100	0.89
Genesee	0.87	48237	0.84	26163504200	0.87
48420	0.87	26125171600	0.87	26163504300	0.87
26049010110	0.85	26125172400	0.82	26163504400	0.79
26049012201	0.90	48326	0.94	26163504700	0.89
48433	0.78	26125141100	0.94	26163505400	0.84
26049010502	0.78	48328	0.86	26163505500	0.92
48457	0.82	26125144701	0.86	26163512100	0.94
26049012602	0.82	48334	0.86	26163515900	0.86
48458	0.86	26125166600	0.86	48214	0.90
26049010305	0.93	48336	0.76	26163513600	1.00
26049012310	0.84	26125167300	0.76	26163513900	0.92
26049012311	0.82	48340	0.94	26163514100	0.99
48501	0.85	26125141000	0.91	26163514200	0.93
26049002800	0.85	26125141200	0.99	26163514300	1.00
48503	0.91	26125141300	0.89	26163514500	0.77
26049001100	0.88	26125141500	0.98	26163515200	0.80
26049001400	0.92	48341	0.97	26163515300	0.93
26049002900	0.85	26125142000	0.99	26163515600	0.90

26049003200	0.94	26125142100	0.99	26163516000	0.81
26049013600	0.96	26125142300	0.96	48215	0.92
48504	0.85	26125142700	0.94	26163512300	0.99
26049000100	0.80	48342	0.93	26163512400	0.80
26049000300	0.83	26125141600	1.00	26163512600	0.93
26049000500	0.78	26125141700	0.96	26163512900	0.99
26049001200	0.92	26125142200	0.93	26163513200	0.90
26049010501	0.79	26125142400	0.84	48216	0.98
26049010812	1.00	Oceana	0.89	26163525000	0.98
48505	0.88	49420	0.96	48217	0.88
26049000200	0.92	26127010400	0.96	26163524700	0.88
26049000400	0.90	49452	0.81	26163524800	0.82
26049000600	0.79	26127010600	0.81	26163579300	0.94
26049000800	0.83	Ogemaw	0.81	48218	0.98
26049001000	0.87	48661	0.83	26163579500	0.98
26049001700	0.94	26129950500	0.83	48219	0.89
26049001800	0.81	48739	0.75	26163540600	0.79
26049002000	0.84	26129950100	0.75	26163540700	0.90
26049010304	0.98	48770	0.84	26163540900	0.80
48506	0.89	26129950900	0.84	26163541000	0.95
26049001900	0.93	Osceola	0.81	26163541100	0.79
26049002200	0.81	49338	0.83	26163541400	0.98
26049002300	0.92	26133970600	0.83	26163541500	0.95
26049002400	0.91	49631	0.75	26163541700	0.86
26049002600	0.85	26133970500	0.75	26163544200	0.97
26049003100	0.95	49639	0.89	48221	0.82
48507	0.87	26133970400	0.89	26163530100	0.78
26049003500	0.93	49665	0.77	26163538500	0.78
26049003800	0.93	26133970100	0.77	26163539000	0.86
26049010813	0.81	Oscoda	0.86	26163539100	0.85
26049010912	0.75	48621	0.82	48222	0.96
26049013500	0.92	26135970300	0.82	26163521100	0.96
48532	0.88	48647	0.90	48223	0.84
26049010811	0.88	26135970400	0.90	26163542500	0.77
26049010911	0.88	Otsego	0.90	26163542600	0.82
Gladwin	0.89	49734	0.90	26163543500	0.87
48612	0.89	26137950300	0.90	26163543800	0.87
26051000700	0.89	Presque Isle	0.83	26163543900	0.89
Grand Traverse	0.80	49765	0.83	26163554500	0.85
49685	0.80	26141950400	0.83	48224	0.87
26055551300	0.80	Roscommon	0.87	26163500900	0.86
Gratiot	0.87	48630	0.86	26163501100	0.82
48801	0.83	26143971000	0.86	26163501200	0.91

26057000500	0.83	48651	0.88	26163501300	0.89
48880	0.91	26143970300	0.88	26163501500	0.87
26057000300	0.91	Saginaw	0.91	48225	0.84
Hillsdale	0.78	48601	0.94	26163500700	0.84
49242	0.78	26145000100	0.86	48227	0.87
26059050500	0.79	26145000200	0.92	26163535200	0.80
26059050700	0.78	26145000800	0.90	26163535300	0.92
49250	0.77	26145000900	0.98	26163536600	0.79
26059050300	0.77	26145001000	0.98	26163536700	0.93
Houghton	0.75	26145011000	0.99	26163536900	0.90
49930	0.75	26145011500	0.96	26163537100	0.85
26061000600	0.75	48602	0.89	26163537300	0.97
Huron	0.81	26145001300	0.93	26163537600	0.97
48413	0.81	26145001500	0.81	26163537700	0.90
26063951000	0.81	26145001700	0.98	26163537800	0.81
Ingham	0.84	26145001800	0.95	26163542100	0.79
48910	0.96	26145001900	0.78	26163542200	0.85
26065005304	0.96	48603	0.85	26163542300	0.78
48911	0.82	26145010401	0.85	48228	0.92
26065003601	0.85	48605	0.94	26163535000	0.87
26065005303	0.79	26145000600	0.94	26163535100	0.99
48912	0.76	48607	0.94	26163535400	0.98
26065006500	0.76	26145000400	0.88	26163535700	0.87
48915	0.75	26145000700	1.00	26163545200	0.93
26065000600	0.75	48722	0.88	26163545300	0.99
48917	0.88	26145011600	0.88	26163546500	0.96
26065003500	0.88	48724	0.79	26163546600	0.92
48933	0.91	26145010800	0.79	26163546900	0.80
26065006600	0.91	Sanilac	0.80	48229	0.91
Ionia	0.76	48401	0.78	26163577000	0.92
48846	0.76	26151970900	0.78	26163579600	0.87
26067031600	0.76	48741	0.82	26163579700	0.86
Jackson	0.89	26151971000	0.82	26163579800	0.98
49201	0.90	Schoolcraft	0.83	48234	0.85
26075000200	0.97	49854	0.83	26163506300	0.91
26075000400	0.78	26153000300	0.83	26163506600	0.91
26075000600	0.94	Shiawassee	0.76	26163506800	0.83
26075006900	0.89	48867	0.76	26163506900	0.78
49202	0.85	26155030800	0.76	26163507100	0.83
26075000500	0.76	St. Clair	0.90	26163507400	0.83
26075005900	0.94	48014	0.81	26163507500	0.76
49203	0.90	26147657100	0.81	26163511000	1.00
26075001100	0.98	48060	0.91	48235	0.85

26075001200	0.80	26147620000	0.97	26163538700	0.86
26075001300	0.92	26147621000	0.90	26163539200	0.95
Kalamazoo	0.89	26147624000	0.98	26163539400	0.80
49001	0.94	26147625000	0.79	26163539500	0.88
26077001803	0.94	48061	0.98	26163539600	0.82
49003	0.93	26147636000	0.98	26163539700	0.84
26077001000	0.93	St. Joseph	0.87	26163540100	0.81
49004	0.82	49042	0.85	26163540200	0.87
26077000500	0.82	26149040300	0.92	26163540300	0.86
49007	0.88	26149041101	0.79	26163540400	0.87
26077000202	0.77	49091	0.91	26163540800	0.81
26077000300	0.97	26149040600	0.96	48236	0.89
26077000900	0.90	26149040800	0.85	26163501700	0.96
49019	0.83	49093	0.82	26163551300	0.82
26077001801	0.83	26149040400	0.82	48238	0.89
49048	0.92	Tuscola	0.90	26163530300	0.97
26077005501	0.92	48723	0.87	26163530400	0.87
Kalkaska	0.76	26157000600	0.87	26163530500	0.81
49676	0.76	48768	0.92	26163531600	0.89
26079950200	0.76	26157000900	0.92	26163531700	0.87
49680	0.76	Van Buren	0.87	26163531800	0.92
26079950300	0.76	49026	0.95	26163531900	0.88
Kent	0.90	26159012000	0.95	26163534200	0.91
49503	0.91	49063	0.83	26163536100	0.97
26081001101	0.81	26159010200	0.83	26163536300	0.86
26081003200	0.91	49098	0.81	26163536500	0.83
26081003600	1.00	26159011300	0.81	48240	0.77
49505	0.91	Washtenaw	0.83	26163554400	0.77
26081001102	0.91	48198	0.83	Wexford	0.79
49507	0.97	26161410700	0.78	49601	0.76
26081002800	0.99	26161410800	0.83	26165380800	0.76
26081003100	0.95	26161411900	0.86	49649	0.82
49512	0.87	26161412100	0.85	26165380100	0.82
26081004500	0.87				
49519	0.80				
26081013801	0.80				
49534	0.82				
26081002700	0.82				

Email for Pfizer Orders –2/25/21

To: Email 1 and Email 2 in spreadsheet

SUBJECT: Notification of Pfizer Vaccine Order

MDHHS has submitted an order for distribution of the Pfizer vaccine for «Site Name». Your facility will be receiving XXXXX total Pfizer doses in the upcoming week:

- XXXX are designated as First doses
- XXXX are designated as SECOND doses

These doses are anticipated to arrive on Monday or Tuesday.

Distributors utilize the shipping hours as entered in your MCIR VFC Shipping tab. Please ensure your shipping hours and address correctly reflect your ability to receive orders. To check shipping information in your MCIR site (hours, address, etc.), please utilize this tip sheet.

Vaccine will be shipped directly from Pfizer and delivery facilitated by UPS. Ancillary supplies including diluent will arrive within 24 hours of vaccine delivery.

Dry Ice: If you do not have an ultra-cold freezer onsite, you will receive dry ice from the federal government only for your FIRST refresh of dry ice (within 24 hrs) if you need to utilize the thermal shipper for storage. For additional dry ice, see dry ice ordering process.

VaccineFinder Requirement Reminder: All providers must report inventory each day to VaccineFinder, as required by CDC. For tip sheets and videos on using VaccineFinder, please visit <https://vaccinefinder.org/covid-provider-resources>.

- Contact Information for VaccineFinder Provider Support
 - eocevent522@cdc.gov for registration / email change help and for general COVID VaccineFinder inquiries, or
 - vaccinefinder@castlighthhealth.com for technical assistance with account log-in problems, password resets, file upload errors, etc.

Sign up to Review Order Details and Receive Shipment Emails with Tracking IDs

- Review this tip sheet to see how you can review order details and receive email notifications for shipments, including tracking IDs. This allows you to add “**e-order contacts**” to your MCIR site for this enhanced order review ability. These emails will come from mcir@michigan.gov. This guidance is also included on our website, along with additional inventory support.

FIRST DOSES will no longer be ordered via requests. First dose orders have transitioned to allocation-based ordering only (order notifications will continue for both).

SECOND DOSES will no longer be ordered via requests. Second dose orders have transitioned to allocations based on previous first dose orders. For Pfizer, second dose orders will be sent 3 weeks after the first dose Pfizer order was placed. Second dose orders for Moderna doses 4 weeks after the first dose Moderna order was placed.

It is the responsibility of the ordering provider to ensure that second doses are not used for first doses and are available for timely second dose vaccination. **Please mark second dose vaccine packaging as SECOND DOSE ONLY to visually identified that these vaccines are reserved for second dose.** Ideally, these vaccines would be stored in a separate shelf or freezer/refrigerator. CDC is allocating exact numbers of second doses based on first doses distributed. If you have inadvertently used your second dose as first dose, you will need to make use of your existing first dose inventory to make up that lapse.

Use of vaccine: Michigan is currently vaccinating individuals who are:

PHASE 1A: Paid and unpaid persons serving in health care settings who have the potential for direct or indirect exposure to patients or infectious materials and are unable to work from home, as well as residents in long-term care facilities.

PHASE 1B Group A and B only:

Group A: Persons 75 years of age or older not covered in Phase 1A. This includes those in a congregate setting that were not reached in Phase 1A.

Group B: Prioritized frontline workers whose work role has frequent or intense exposure, and, due to the nature of the work, are not able to maintain social distance. For example, a first responder may have to physically touch other people in their response, and a child care provider cannot maintain social distance from children when caring for their physical needs. The specific prioritized categories are:

- Pre-Kindergarten through high school teachers, support staff and child care workers who usually have direct contact with children
- First responders not covered in Phase 1A (e.g., firefighters, police, conservation officers, inspectors)
- Corrections workers (e.g., staff in prisons, jails, juvenile justice facilities)
- Workers in homeless shelters, congregate child care institutions, and adult and child protective services
- Beginning March 1, 2021: Frontline essential workers in the food processing and agricultural industries

PHASE 1C Group A ONLY: Individuals age 65 to 74 years. This includes those in congregate settings that were not reached in prior Phases.

Coordination: Local health departments are responsible for oversight and implementation of the vaccine strategy within their jurisdictions. They play a crucial convening and coordination role in both the distribution and administration of vaccine.

Hospitals are being provided this vaccine to administer to individuals who are in Phase 1a and individuals who are aged 65 years or older (Phase 1b Group A and Phase 1c Group A). Any vaccinations of non-health care essential workers in Phase 1b Group B should be coordinated with the local health department. Other groups are not currently eligible for vaccination.)

Vaccine Transfer: The Covid-19 vaccine is a federal asset and requires proper accounting at provider, state and federal levels. Transfer of vaccine should be minimized, may only occur between Federally Enrolled COVID providers for the same use that the vaccine was originally allocated for, and must be made after review of the Federal COVID vaccine redistribution form by the state health department Immunization Program. The vaccine inventory can then be transferred within MCIR to the new provider

If an ordering provider is unable to use their allocated doses within the intended population in a reasonable time frame, they should reach out to the local health department they are located in to identify a partner who can make appropriate use of the vaccine and to coordinate the transfer. Each ordering provider is responsible for managing the need and timing for second dose. If you transfer doses you are responsible for assuring second doses are transferred to that provider as well.

Outreach: MDHHS is committed to ensuring that all Michiganders have equitable access to vaccines. Ordering providers can make use of the below table to identify zip codes and census tracts to focus outreach efforts (see attached SVI Outreach Zip Codes). The table includes the census tracts which are in the highest quartile for Social Vulnerability Index and their associated zip codes.

Reminders and Resources for Support:

- Please review our new MDHHS website [COVID-19 Vaccine Provider Guidance & Educational Resources](#). Save/bookmark this site as it will be updated frequently.
 - **Pfizer-specific materials are available on this website**

If you have questions, please email checcimms@michigan.gov.

Thank you.

County, ZIP and High-Risk Census Tracts	High-risk Tract, SVI Score (2014-18)	County, ZIP and High-Risk Census Tracts	High-risk Tract, SVI Score (2014-18)	County, ZIP and High-Risk Census Tracts	High-risk Tract, SVI Score (2014-18)
Allegan	0.82	Lake	0.87	Wayne	0.89
49010	0.88	49402	0.92	48125	0.80
26005031000	0.88	26085961200	0.92	26163572500	0.81
49423	0.77	49642	0.82	26163572900	0.79
26005032200	0.77	26085961100	0.82	48126	0.83
Arenac	0.77	Lenawee	0.93	26163573400	0.83

48658	0.77	49221	0.95	48127	0.77
26011970200	0.77	26091061301	0.99	26163571800	0.79
48659	0.77	26091061302	0.98	26163571900	0.76
26011970500	0.77	26091061400	0.87	48141	0.94
Baraga	0.77	26091061600	0.96	26163570400	0.98
49946	0.77	49248	0.87	26163570500	0.90
26013000200	0.77	26091061700	0.87	26163570600	0.93
Bay	0.82	Mackinac	0.83	26163570800	0.99
48706	0.80	49775	0.83	26163570900	0.89
26017280700	0.76	26097950500	0.83	26163571000	0.92
26017285800	0.84	Macomb	0.85	48146	0.77
48708	0.84	48015	0.84	26163577300	0.77
26017280900	0.76	26099268100	0.84	48174	0.81
26017286500	0.93	48021	0.79	26163585500	0.87
48732	0.82	26099258300	0.78	26163585700	0.76
26017285202	0.82	26099258400	0.80	48180	0.87
Berrien	0.88	48035	0.78	26163583200	0.76
49022	0.94	26099241500	0.79	26163584200	0.92
26021000300	0.93	26099242100	0.78	26163584600	0.92
26021000400	1.00	48036	0.85	48184	0.83
26021000500	0.91	26099240800	0.76	26163566500	0.85
26021000600	0.95	26099245000	0.94	26163566900	0.85
26021002000	0.82	48043	0.98	26163585600	0.80
26021002100	0.98	26099240000	1.00	48186	0.96
26021002200	1.00	26099247100	0.95	26163568500	0.96
26021002300	0.92	48045	0.76	48201	0.92
49038	0.77	26099241000	0.76	26163517500	0.91
26021002500	0.77	48051	0.78	26163521800	0.89
49098	0.82	26099222101	0.78	26163522500	0.95
26021010300	0.82	48066	0.86	48202	0.93
49107	0.76	26099255200	0.83	26163511200	0.94
26021020200	0.76	26099255700	0.83	26163511900	0.91
49111	0.77	26099256100	0.80	26163532400	0.95
26021010500	0.77	26099256600	0.97	48203	0.92
49120	0.86	48089	0.85	26163507800	0.98
26021020500	0.85	26099262600	0.77	26163507900	0.77
26021020700	0.96	26099264000	0.96	26163508000	0.96
26021020900	0.78	26099264200	0.81	26163508100	0.94
Branch	0.89	26099268400	0.85	26163511400	1.00
49030	0.79	48091	0.91	26163553000	0.89
26023951200	0.79	26099262400	0.99	26163553100	0.91
49036	0.94	26099262500	0.78	26163553200	0.80
26023951400	0.91	26099263200	0.95	26163553300	0.92

26023951600	0.97	26099263500	0.90	26163553400	0.99
Calhoun	0.90	26099263600	0.95	26163553800	0.90
49014	0.91	26099263800	0.89	48204	0.93
26025000600	0.94	48314	0.76	26163526500	0.98
26025002100	0.88	26099228100	0.76	26163527200	0.99
49015	0.91	Mason	0.76	26163530800	0.94
26025001300	0.97	49405	0.76	26163533500	0.94
26025001400	0.85	26105950600	0.76	26163533600	0.88
49016	0.96	Mecosta	0.85	26163534600	0.88
26025004100	0.96	49307	0.85	26163534700	0.89
49017	0.93	26107960500	0.85	48205	0.86
26025001100	0.93	Missaukee	0.83	26163500300	0.84
49037	0.91	49667	0.83	26163500400	0.88
26025000300	0.99	26113960100	0.83	26163503100	0.88
26025001000	0.96	Monroe	0.97	26163503400	0.88
26025002600	0.80	48161	0.97	26163503500	0.86
49068	0.76	26115831800	0.97	26163503600	0.90
26025004000	0.76	Montcalm	0.79	26163505200	0.79
49224	0.89	48809	0.81	48206	0.91
26025003300	0.97	26117971300	0.81	26163530900	0.99
26025003500	0.77	48812	0.76	26163531100	1.00
26025003600	0.93	26117970200	0.76	26163531400	0.85
Cass	0.89	48886	0.79	26163532200	0.90
49045	0.86	26117970400	0.79	26163533100	0.91
26027002000	0.86	Muskegon	0.91	26163533200	0.84
49047	0.93	49442	0.94	48207	0.89
26027002100	0.93	26121000100	0.86	26163516200	0.99
Cheboygan	0.89	26121000300	0.99	26163516300	0.90
49721	0.89	26121000500	0.98	26163516600	0.94
26031960300	0.89	49443	0.93	26163516700	0.83
Chippewa	0.80	26121004200	0.93	26163516800	0.85
49783	0.80	49444	0.90	26163518600	0.76
26033970200	0.84	26121000601	0.89	26163518800	0.87
26033970300	0.76	26121001200	0.86	26163518900	0.97
Clare	0.84	26121001300	0.91	48208	0.93
48617	0.75	26121002601	0.84	26163522000	0.98
26035000600	0.75	26121004300	1.00	26163522100	0.77
48625	0.86	49445	0.87	26163522200	0.97
26035000900	0.82	26121000401	0.96	26163522300	0.97
26035001000	0.88	26121001902	0.78	26163527300	0.98
26035001300	0.90	Newaygo	0.83	26163532600	0.86
Clinton	0.91	49337	0.89	26163533000	1.00
48906	0.91	26123970700	0.89	26163533300	0.90

26037010203	0.91	49412	0.80	48209	0.94
Crawford	0.82	26123970300	0.80	26163523400	0.93
49738	0.82	49413	0.75	26163524900	0.96
26039960300	0.82	26123970500	0.75	48210	0.89
Delta	0.86	49457	0.88	26163525400	0.97
49829	0.79	26123971200	0.88	26163526400	0.82
26041971000	0.79	Oakland	0.91	48211	0.94
49894	0.93	48033	0.90	26163518500	0.94
26041970800	0.93	26125160300	0.96	48212	0.91
Dickinson	0.79	26125161800	0.84	26163506500	0.83
49802	0.79	48076	0.85	26163507000	0.95
26043950600	0.79	26125160500	0.80	26163552100	0.96
Eaton	0.84	26125161400	0.90	48213	0.87
48813	0.84	48220	0.95	26163503900	0.86
26045020901	0.84	26125172500	0.95	26163504100	0.89
Genesee	0.87	48237	0.84	26163504200	0.87
48420	0.87	26125171600	0.87	26163504300	0.87
26049010110	0.85	26125172400	0.82	26163504400	0.79
26049012201	0.90	48326	0.94	26163504700	0.89
48433	0.78	26125141100	0.94	26163505400	0.84
26049010502	0.78	48328	0.86	26163505500	0.92
48457	0.82	26125144701	0.86	26163512100	0.94
26049012602	0.82	48334	0.86	26163515900	0.86
48458	0.86	26125166600	0.86	48214	0.90
26049010305	0.93	48336	0.76	26163513600	1.00
26049012310	0.84	26125167300	0.76	26163513900	0.92
26049012311	0.82	48340	0.94	26163514100	0.99
48501	0.85	26125141000	0.91	26163514200	0.93
26049002800	0.85	26125141200	0.99	26163514300	1.00
48503	0.91	26125141300	0.89	26163514500	0.77
26049001100	0.88	26125141500	0.98	26163515200	0.80
26049001400	0.92	48341	0.97	26163515300	0.93
26049002900	0.85	26125142000	0.99	26163515600	0.90
26049003200	0.94	26125142100	0.99	26163516000	0.81
26049013600	0.96	26125142300	0.96	48215	0.92
48504	0.85	26125142700	0.94	26163512300	0.99
26049000100	0.80	48342	0.93	26163512400	0.80
26049000300	0.83	26125141600	1.00	26163512600	0.93
26049000500	0.78	26125141700	0.96	26163512900	0.99
26049001200	0.92	26125142200	0.93	26163513200	0.90
26049010501	0.79	26125142400	0.84	48216	0.98
26049010812	1.00	Oceana	0.89	26163525000	0.98
48505	0.88	49420	0.96	48217	0.88

26049000200	0.92	26127010400	0.96	26163524700	0.88
26049000400	0.90	49452	0.81	26163524800	0.82
26049000600	0.79	26127010600	0.81	26163579300	0.94
26049000800	0.83	Ogemaw	0.81	48218	0.98
26049001000	0.87	48661	0.83	26163579500	0.98
26049001700	0.94	26129950500	0.83	48219	0.89
26049001800	0.81	48739	0.75	26163540600	0.79
26049002000	0.84	26129950100	0.75	26163540700	0.90
26049010304	0.98	48770	0.84	26163540900	0.80
48506	0.89	26129950900	0.84	26163541000	0.95
26049001900	0.93	Osceola	0.81	26163541100	0.79
26049002200	0.81	49338	0.83	26163541400	0.98
26049002300	0.92	26133970600	0.83	26163541500	0.95
26049002400	0.91	49631	0.75	26163541700	0.86
26049002600	0.85	26133970500	0.75	26163544200	0.97
26049003100	0.95	49639	0.89	48221	0.82
48507	0.87	26133970400	0.89	26163530100	0.78
26049003500	0.93	49665	0.77	26163538500	0.78
26049003800	0.93	26133970100	0.77	26163539000	0.86
26049010813	0.81	Oscoda	0.86	26163539100	0.85
26049010912	0.75	48621	0.82	48222	0.96
26049013500	0.92	26135970300	0.82	26163521100	0.96
48532	0.88	48647	0.90	48223	0.84
26049010811	0.88	26135970400	0.90	26163542500	0.77
26049010911	0.88	Otsego	0.90	26163542600	0.82
Gladwin	0.89	49734	0.90	26163543500	0.87
48612	0.89	26137950300	0.90	26163543800	0.87
26051000700	0.89	Presque Isle	0.83	26163543900	0.89
Grand Traverse	0.80	49765	0.83	26163554500	0.85
49685	0.80	26141950400	0.83	48224	0.87
26055551300	0.80	Roscommon	0.87	26163500900	0.86
Gratiot	0.87	48630	0.86	26163501100	0.82
48801	0.83	26143971000	0.86	26163501200	0.91
26057000500	0.83	48651	0.88	26163501300	0.89
48880	0.91	26143970300	0.88	26163501500	0.87
26057000300	0.91	Saginaw	0.91	48225	0.84
Hillsdale	0.78	48601	0.94	26163500700	0.84
49242	0.78	26145000100	0.86	48227	0.87
26059050500	0.79	26145000200	0.92	26163535200	0.80
26059050700	0.78	26145000800	0.90	26163535300	0.92
49250	0.77	26145000900	0.98	26163536600	0.79
26059050300	0.77	26145001000	0.98	26163536700	0.93
Houghton	0.75	26145011000	0.99	26163536900	0.90

49930	0.75	26145011500	0.96	26163537100	0.85
26061000600	0.75	48602	0.89	26163537300	0.97
Huron	0.81	26145001300	0.93	26163537600	0.97
48413	0.81	26145001500	0.81	26163537700	0.90
26063951000	0.81	26145001700	0.98	26163537800	0.81
Ingham	0.84	26145001800	0.95	26163542100	0.79
48910	0.96	26145001900	0.78	26163542200	0.85
26065005304	0.96	48603	0.85	26163542300	0.78
48911	0.82	26145010401	0.85	48228	0.92
26065003601	0.85	48605	0.94	26163535000	0.87
26065005303	0.79	26145000600	0.94	26163535100	0.99
48912	0.76	48607	0.94	26163535400	0.98
26065006500	0.76	26145000400	0.88	26163535700	0.87
48915	0.75	26145000700	1.00	26163545200	0.93
26065000600	0.75	48722	0.88	26163545300	0.99
48917	0.88	26145011600	0.88	26163546500	0.96
26065003500	0.88	48724	0.79	26163546600	0.92
48933	0.91	26145010800	0.79	26163546900	0.80
26065006600	0.91	Sanilac	0.80	48229	0.91
Ionia	0.76	48401	0.78	26163577000	0.92
48846	0.76	26151970900	0.78	26163579600	0.87
26067031600	0.76	48741	0.82	26163579700	0.86
Jackson	0.89	26151971000	0.82	26163579800	0.98
49201	0.90	Schoolcraft	0.83	48234	0.85
26075000200	0.97	49854	0.83	26163506300	0.91
26075000400	0.78	26153000300	0.83	26163506600	0.91
26075000600	0.94	Shiawassee	0.76	26163506800	0.83
26075006900	0.89	48867	0.76	26163506900	0.78
49202	0.85	26155030800	0.76	26163507100	0.83
26075000500	0.76	St. Clair	0.90	26163507400	0.83
26075005900	0.94	48014	0.81	26163507500	0.76
49203	0.90	26147657100	0.81	26163511000	1.00
26075001100	0.98	48060	0.91	48235	0.85
26075001200	0.80	26147620000	0.97	26163538700	0.86
26075001300	0.92	26147621000	0.90	26163539200	0.95
Kalamazoo	0.89	26147624000	0.98	26163539400	0.80
49001	0.94	26147625000	0.79	26163539500	0.88
26077001803	0.94	48061	0.98	26163539600	0.82
49003	0.93	26147636000	0.98	26163539700	0.84
26077001000	0.93	St. Joseph	0.87	26163540100	0.81
49004	0.82	49042	0.85	26163540200	0.87
26077000500	0.82	26149040300	0.92	26163540300	0.86
49007	0.88	26149041101	0.79	26163540400	0.87

26077000202	0.77	49091	0.91	26163540800	0.81
26077000300	0.97	26149040600	0.96	48236	0.89
26077000900	0.90	26149040800	0.85	26163501700	0.96
49019	0.83	49093	0.82	26163551300	0.82
26077001801	0.83	26149040400	0.82	48238	0.89
49048	0.92	Tuscola	0.90	26163530300	0.97
26077005501	0.92	48723	0.87	26163530400	0.87
Kalkaska	0.76	26157000600	0.87	26163530500	0.81
49676	0.76	48768	0.92	26163531600	0.89
26079950200	0.76	26157000900	0.92	26163531700	0.87
49680	0.76	Van Buren	0.87	26163531800	0.92
26079950300	0.76	49026	0.95	26163531900	0.88
Kent	0.90	26159012000	0.95	26163534200	0.91
49503	0.91	49063	0.83	26163536100	0.97
26081001101	0.81	26159010200	0.83	26163536300	0.86
26081003200	0.91	49098	0.81	26163536500	0.83
26081003600	1.00	26159011300	0.81	48240	0.77
49505	0.91	Washtenaw	0.83	26163554400	0.77
26081001102	0.91	48198	0.83	Wexford	0.79
49507	0.97	26161410700	0.78	49601	0.76
26081002800	0.99	26161410800	0.83	26165380800	0.76
26081003100	0.95	26161411900	0.86	49649	0.82
49512	0.87	26161412100	0.85	26165380100	0.82
26081004500	0.87				
49519	0.80				
26081013801	0.80				
49534	0.82				
26081002700	0.82				

Census tracts with highest quartile on Social Vulnerability Index, with associated zip code and county.
SVI score based on American Community Survey data from 2014-2018

County, ZIP and High-Risk Census Tracts	High-risk Tract, SVI Score (2014-18)
Allegan	0.82
49010	0.88
26005031000	0.88
49423	0.77
26005032200	0.77
Arenac	0.77
48658	0.77
26011970200	0.77
48659	0.77
26011970500	0.77
Baraga	0.77
49946	0.77
26013000200	0.77
Bay	0.82
48706	0.80
26017280700	0.76
26017285800	0.84
48708	0.84
26017280900	0.76
26017286500	0.93
48732	0.82
26017285202	0.82
Berrien	0.88
49022	0.94
26021000300	0.93
26021000400	1.00
26021000500	0.91
26021000600	0.95
26021002000	0.82
26021002100	0.98
26021002200	1.00
26021002300	0.92
49038	0.77
26021002500	0.77
49098	0.82
26021010300	0.82
49107	0.76
26021020200	0.76
49111	0.77
26021010500	0.77
49120	0.86
26021020500	0.85

26021020700	0.96
26021020900	0.78
Branch	0.89
49030	0.79
26023951200	0.79
49036	0.94
26023951400	0.91
26023951600	0.97
Calhoun	0.90
49014	0.91
26025000600	0.94
26025002100	0.88
49015	0.91
26025001300	0.97
26025001400	0.85
49016	0.96
26025004100	0.96
49017	0.93
26025001100	0.93
49037	0.91
26025000300	0.99
26025001000	0.96
26025002600	0.80
49068	0.76
26025004000	0.76
49224	0.89
26025003300	0.97
26025003500	0.77
26025003600	0.93
Cass	0.89
49045	0.86
26027002000	0.86
49047	0.93
26027002100	0.93
Cheboygan	0.89
49721	0.89
26031960300	0.89
Chippewa	0.80
49783	0.80
26033970200	0.84
26033970300	0.76
Clare	0.84
48617	0.75
26035000600	0.75
48625	0.86
26035000900	0.82
26035001000	0.88

26035001300	0.90
Clinton	0.91
48906	0.91
26037010203	0.91
Crawford	0.82
49738	0.82
26039960300	0.82
Delta	0.86
49829	0.79
26041971000	0.79
49894	0.93
26041970800	0.93
Dickinson	0.79
49802	0.79
26043950600	0.79
Eaton	0.84
48813	0.84
26045020901	0.84
Genesee	0.87
48420	0.87
26049010110	0.85
26049012201	0.90
48433	0.78
26049010502	0.78
48457	0.82
26049012602	0.82
48458	0.86
26049010305	0.93
26049012310	0.84
26049012311	0.82
48501	0.85
26049002800	0.85
48503	0.91
26049001100	0.88
26049001400	0.92
26049002900	0.85
26049003200	0.94
26049013600	0.96
48504	0.85
26049000100	0.80
26049000300	0.83
26049000500	0.78
26049001200	0.92
26049010501	0.79
26049010812	1.00
48505	0.88
26049000200	0.92

26049000400	0.90
26049000600	0.79
26049000800	0.83
26049001000	0.87
26049001700	0.94
26049001800	0.81
26049002000	0.84
26049010304	0.98
48506	0.89
26049001900	0.93
26049002200	0.81
26049002300	0.92
26049002400	0.91
26049002600	0.85
26049003100	0.95
48507	0.87
26049003500	0.93
26049003800	0.93
26049010813	0.81
26049010912	0.75
26049013500	0.92
48532	0.88
26049010811	0.88
26049010911	0.88
Gladwin	0.89
48612	0.89
26051000700	0.89
Grand Traverse	0.80
49685	0.80
26055551300	0.80
Gratiot	0.87
48801	0.83
26057000500	0.83
48880	0.91
26057000300	0.91
Hillsdale	0.78
49242	0.78
26059050500	0.79
26059050700	0.78
49250	0.77
26059050300	0.77
Houghton	0.75
49930	0.75
26061000600	0.75
Huron	0.81
48413	0.81
26063951000	0.81

Ingham	0.84
48910	0.96
26065005304	0.96
48911	0.82
26065003601	0.85
26065005303	0.79
48912	0.76
26065006500	0.76
48915	0.75
26065000600	0.75
48917	0.88
26065003500	0.88
48933	0.91
26065006600	0.91
Ionia	0.76
48846	0.76
26067031600	0.76
Jackson	0.89
49201	0.90
26075000200	0.97
26075000400	0.78
26075000600	0.94
26075006900	0.89
49202	0.85
26075000500	0.76
26075005900	0.94
49203	0.90
26075001100	0.98
26075001200	0.80
26075001300	0.92
Kalamazoo	0.89
49001	0.94
26077001803	0.94
49003	0.93
26077001000	0.93
49004	0.82
26077000500	0.82
49007	0.88
26077000202	0.77
26077000300	0.97
26077000900	0.90
49019	0.83
26077001801	0.83
49048	0.92
26077005501	0.92
Kalkaska	0.76
49676	0.76

26079950200	0.76
49680	0.76
26079950300	0.76
Kent	0.90
49503	0.91
26081001101	0.81
26081003200	0.91
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49505	0.91
26081001102	0.91
49507	0.97
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49512	0.87
26081004500	0.87
49519	0.80
26081013801	0.80
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Lake	0.87
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49642	0.82
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Lenawee	0.93
49221	0.95
26091061301	0.99
26091061302	0.98
26091061400	0.87
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49248	0.87
26091061700	0.87
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49775	0.83
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Macomb	0.85
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48035	0.78
26099241500	0.79
26099242100	0.78
48036	0.85
26099240800	0.76
26099245000	0.94

48043	0.98
26099240000	1.00
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48045	0.76
26099241000	0.76
48051	0.78
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48066	0.86
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Mason	0.76
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Mecosta	0.85
49307	0.85
26107960500	0.85
Missaukee	0.83
49667	0.83
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Monroe	0.97
48161	0.97
26115831800	0.97
Montcalm	0.79
48809	0.81
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48812	0.76
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48886	0.79
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Muskegon	0.91
49442	0.94

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26121000300	0.99
26121000500	0.98
49443	0.93
26121004200	0.93
49444	0.90
26121000601	0.89
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26121001300	0.91
26121002601	0.84
26121004300	1.00
49445	0.87
26121000401	0.96
26121001902	0.78
Newaygo	0.83
49337	0.89
26123970700	0.89
49412	0.80
26123970300	0.80
49413	0.75
26123970500	0.75
49457	0.88
26123971200	0.88
Oakland	0.91
48033	0.90
26125160300	0.96
26125161800	0.84
48076	0.85
26125160500	0.80
26125161400	0.90
48220	0.95
26125172500	0.95
48237	0.84
26125171600	0.87
26125172400	0.82
48326	0.94
26125141100	0.94
48328	0.86
26125144701	0.86
48334	0.86
26125166600	0.86
48336	0.76
26125167300	0.76
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26125141200	0.99
26125141300	0.89

26125141500	0.98
48341	0.97
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26125142100	0.99
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48342	0.93
26125141600	1.00
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26125142200	0.93
26125142400	0.84
Oceana	0.89
49420	0.96
26127010400	0.96
49452	0.81
26127010600	0.81
Ogemaw	0.81
48661	0.83
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48739	0.75
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48770	0.84
26129950900	0.84
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49631	0.75
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49639	0.89
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49665	0.77
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Otsego	0.90
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Presque Isle	0.83
49765	0.83
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Roscommon	0.87
48630	0.86
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48651	0.88

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Saginaw	0.91
48601	0.94
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26145000900	0.98
26145001000	0.98
26145011000	0.99
26145011500	0.96
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26145001500	0.81
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26145001800	0.95
26145001900	0.78
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26145011600	0.88
48724	0.79
26145010800	0.79
Sanilac	0.80
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48741	0.82
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Schoolcraft	0.83
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Shiawassee	0.76
48867	0.76
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48723	0.87
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48768	0.92
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Van Buren	0.87
49026	0.95
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Washtenaw	0.83
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Wayne	0.89
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48127	0.77
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26163500300	0.84
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26163518800	0.87
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26163542600	0.82

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26163501500	0.87
48225	0.84
26163500700	0.84
48227	0.87
26163535200	0.80
26163535300	0.92
26163536600	0.79
26163536700	0.93
26163536900	0.90
26163537100	0.85
26163537300	0.97
26163537600	0.97
26163537700	0.90
26163537800	0.81
26163542100	0.79
26163542200	0.85
26163542300	0.78
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26163535000	0.87
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26163535400	0.98
26163535700	0.87
26163545200	0.93
26163545300	0.99
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26163546600	0.92
26163546900	0.80
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26163554400	0.77
Wexford	0.79
49601	0.76
26165380800	0.76
49649	0.82
26165380100	0.82

Becky Bennett

From: Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>
Sent: Wednesday, March 03, 2021 10:26 AM
To: Alex Bergmooser; Allison Kowalski; Amanda Rockol; Amber Irrer; Anne Hanis; April Williams; Ashleigh Kolski; Brousseau, Geoffrey (DHHS-Contractor); bstoddard@mmdhd.org; Colleen Harns; Cynthia Tran; Dena Kent; Deneen Gallagher; Elaine Brown; Emma Harman; Hilary Pummill; Shelly Holtz; Jackie Anderson; Jamie Shepler; Jamie Wilkie; Jennifer Heslip; Jennifer J. Evans; Jennifer Johnson; Jennifer Mecomber; John Thottungal; Josi Rotunno; Kali Nichols; Karley McDonald; Kris Moyer; Wai Yi Leung; lharkness@shiawasseechd.net; Linda Weiman; lmikesell@mmdhd.org; Marji Nichols; Matthew Budd (mbudd@mijackson.org); Melissa Lautermilch; Mende Palmer; meredith.mackey@lenawee.mi.us; Melissa Endres; Natalie Johnson; Nicole Baran; Nicole Greenway (ngreenway@shiawasseechd.net); Nicole Moline; Nikki Karazim; Norm Keon; Patricia Raines; paula.ulrich; Rochelle Oshay; Samantha Soltis; Shajuana Tyson; Shymari Harris; Sierra Harns; Smoyer, Stephanie A. (MDOC); Sumeer Qurashi; Taylor Olsabeck; Teresa Spears; Theresa Enriquez; Tiffany Tyson; Tamara Jones; Tracy Payne (tpayne@mijackson.org); Wazhma Frotan; Whitnee Smith; Amy Worges; Wyki Pang; Yvonne Atwood; Colette Scrimger; Dennis Chernin; Dianne McCormick; Don Lawrenchuk; Hackert, Pamela B.; J. Daniel Woodall; Jennifer Morse; Juan Marquez; Larry Johnson (ljohnson@shiawasseechd.net); Lauren Vogell; Linda Vail; Marcus Cheatham; Martha Hall (martha.hall@lenawee.mi.us); Michael Foust; Rashmi Travis; burns; Adenike Shoyinka
Subject: K-12 Sports Contact Tracing & Outbreaks
Attachments: CORRECTED 2-20 Contact Tracing K-12 Sports Team.docx

Hi Region 1,

I know MDHHS doesn't have athletics-specific contact tracing guidance and defaults to LHD discretion to identify close contacts. Mid-Michigan District Health Department recently drafted COVID-19 Contact Tracing for K-12 sports team guidance and I'm sharing it as a helpful reference (attached). It's based off a [similar document from Louisiana Department of Health](#). MMDHD noted that -- if the contagious person is a teammate, most times they find that the entire team needs to quarantine. But if it was the opposing team, they can watch the film or review who guarded who/who or played at the same time, to do a more focused contact tracing and often not quarantine the entire team, just those who've had direct contact or within 6 ft for greater than 15 min cumulative time.

We're seeing a number of outbreaks among school athletics teams, particularly in the past 2 weeks, and there's often overlap with neighboring jurisdictions. As a reminder, if you identify a potential exposure that involves an out of jurisdiction school/team, please reach out to the other local health department to coordinate follow-up/contact tracing. If you need help connecting with other LHDs, I'm happy to help.

Also, below are outbreak IDs for K-12-aged athletics clusters/outbreaks since January (that I'm aware of). Please let me know if I'm missing some and I'm happy to share an updated list with the region in case you see associated cases. With increased in-person learning and athletics, our administration is interested in these outbreaks so I do appreciate a heads up about them. BOL is also available for testing support and sequencing.

Description	County	Outbreak ID	# Case
Charlotte HS Wrestling	Eaton	WRESTLING_CHARLOTTEHS_2/2021	2
Grand Ledge HS Basketball All Teams	Eaton	MBASKETBALL_GRANDLEDGE_2/2021	18
Grand Ledge HS Pom	Eaton	POM_GRANDLEDGEHS_2/2021	3

Grand Ledge MS Boys Basketball B team	Eaton	MBASKETBALL_TEAMB_GRANDLEDGE_2/2021	1
Okemos HS Freshman Basketball	Ingham	Okemos/FreshmanBB/COVID/Feb2021	4
Okemos HS JV Basketball	Ingham	Okemos/JVBB/COVID/Feb2021	4
Okemos HS Varsity Basketball	Ingham	Okemos/VarsityBB/COVID/Feb2021	4
LENAWEE UNITED HOCKEY PRACTICE	Lenawee	LENAWEE HOCKEY 1-2021	2
Scorpion Fighting System, MMA/Jujitsu, Brighton	Livingston	LIVCOCE221P_1	15

Thank you, truly, for the unbelievable work you've been doing with these case investigations on top of everything else.
-Meghan

Meghan Weinberg, PhD, MPH
Epidemiologist - Region 1
Surveillance and Infectious Disease Epidemiology Section
Michigan Department of Health and Human Services
Cell: (517) 749-2153

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COVID-19 Contact Tracing for K-12 Sports Teams



Steps to identify and notify close contacts of persons identified as having COVID-19 infection

- **Determine who has been in close contact during team activities with probable and confirmed COVID-19 cases during their infectious period.**
 - Close contact is defined as
 - Being within 6 feet of an infected person for a cumulative total of 15 minutes over a 24-hr. period **OR**
 - Having direct contact with an infected person including touching (including tackling, blocking, defending, etc.), hugging, kissing, or sharing eating or drinking utensils; or if an infected person sneezed, coughed, or somehow got respiratory droplets on another person
 - Additional factors to consider for determining risk of transmission include:
 - Risk is typically greatest to teammates and coaches to teams of individual cases (dependent on the sport)
 - Teammates have the most cumulative exposure as most of the risk for COVID-19 acquisition and spread in the team is highest during pre- and post-game meals, post-game parties, banquets, player social gatherings, unmasked bus rides/carpooling, locker rooms, other non-play congregation
 - Sports is played indoors have higher likelihood of transmission than those played outdoors.
 - The size of the arena and physical closeness of players – a smaller arena and/or sports where players are in closer proximity may increase likelihood of transmission
 - The type of contact that occurs during practice, scrimmages, and games. For example, tackling, blocking, and defending would all be considered close contact.
 - The infectious period includes the 48 hours before the day the person became sick (or the 48 hours before specimen collection if asymptomatic) until the person was isolated.
 - Use of face coverings, face shields and plastic dividers **are not considered** in determining close contacts, though they do reduce the risk of transmission. Contacts not wearing masks or not wearing them appropriately are at increased risk.
 - **Quarantine for close contacts previously diagnosed with or vaccinated against COVID-19 within the last 90 days:**
 - If they were diagnosed with COVID-19 by either (1) a positive RT-PCR test or (2) a healthcare provider based on their symptoms, and 90 days or less have passed since their symptoms began, they do not need to quarantine unless symptoms develop.
 - If they do have symptoms, they should self-quarantine immediately and consult with a medical provider to determine if they may have been re-infected with COVID-19 or if symptoms are caused by something else.
 - People who have been fully vaccinated against COVID-19 2 or more weeks before being exposed and within the last three months and show no symptoms do not need to quarantine.

- **Notify close contacts of the need to quarantine.**
 - Notify all close contacts of probable and confirmed cases that they have been identified as having been exposed to someone who is or may be ill with COVID-19 and will need to quarantine and stay out of all team activities for 10 (to 14 days) from the last date they were exposed.
 - **End of Quarantine Criteria:** Close contacts should quarantine for 10 (to 14 days) from the last day they were exposed to a probable or confirmed case. **Exposed individuals CANNOT participate in athletic events until the full 10 to 14-day quarantine has been completed.**
 - Close contacts who develop symptoms on or before day 14 after their last exposure are considered probable cases and should self-isolate immediately and seek testing. The local health department should be contacted immediately.

NOTE: Quarantine is 10 to 14 days starting AFTER the last day of exposure to someone contagious with COVID-19. Below is an example where a student athlete is exposed on Tuesday the 10th. Their quarantine starts on the 11th, continues for at least 10 days (through the 20th) and they can return to normal activities the 21st if following a 10 day quarantine.

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8	9	10 BASKETBALL GAME EXPOSED TO COVID-19	11 FIRST DAY OF QUARENTINE	12 Day 2	13 Day 3	14 Day 4
15 Day 5	16 Day 6	17 Day 7	18 Day 8	19 Day 9	20 Day 10	21 (Day 11 continue monitoring symptoms) EARLIEST RETURN TO NORMAL ACTIVITIES
22 (Day 12 continue monitoring symptoms}}	23 (Day 13 continue monitoring symptoms}}	24 (Day 14 continue monitoring symptoms}}	25 ALTERNATIVE RETURN TO NORMAL ACTIVITIES IF FOLLOWING 14 DAY QUARANTINE	26	27	28

From Mid-Michigan District, Central Michigan District and District Health Department #10



Adapted from: COVID-19 Contact Tracing for K-12 Sports Teams Louisiana Department of Health
<https://ldh.la.gov/assets/oph/Coronavirus/resources/ContactTracing/ContactTracingK-12SportsTeam.pdf>

Becky Bennett

From: Adenike Shoyinka
Sent: Wednesday, March 03, 2021 10:30 AM
To: Weinberg, Meghan (DHHS)
Subject: RE: K-12 Sports Contact Tracing & Outbreaks

Thanks Meghan.

From: Weinberg, Meghan (DHHS) [mailto:WeinbergM1@michigan.gov]
Sent: Wednesday, March 3, 2021 10:26 AM
To: Alex Bergmooser <bergmoosera@bhsj.org>; Allison Kowalski <AKowalski@mijackson.org>; Amanda Rockol <ARockol@shiaawasseechd.net>; Amber Irrer <Alrrer@ingham.org>; Anne Hanis <ahanis@ingham.org>; April Williams <AWilliams2@ingham.org>; Ashleigh Kolski <AKolski@ingham.org>; Brousseau, Geoffrey (DHHS-Contractor) <BrousseauG1@michigan.gov>; bstoddard@mmdhd.org; Colleen Harns <CHarns@ingham.org>; Cynthia Tran <CTran@ingham.org>; Dena Kent <dkent@mmdhd.org>; Deneen Gallagher <DGallagher@ingham.org>; Elaine Brown <EBrown@livgov.com>; Emma Harman <EHarman@livgov.com>; Hilary Pummill <HPummill@ingham.org>; Shelly Holtz <SHoltz@ingham.org>; Jackie Anderson <JAnderson@bedhd.org>; Jamie Shepler <jshepler@mmdhd.org>; Jamie Wilkie <JWilkie@ingham.org>; Jennifer Heslip <JHeslip@ingham.org>; Jennifer J. Evans <jevans@bedhd.org>; Jennifer Johnson <jjohnson@mmdhd.org>; Jennifer Mecomber <JMecomber@mijackson.org>; John Thottungal <JThottungal@ingham.org>; Josi Rotunno <jrotunno@mmdhd.org>; Kali Nichols <nicholsk@bhsj.org>; Karley McDonald <kmcdonald@mmdhd.org>; Kris Moyer <KMoyer@livgov.com>; Wai Yi Leung <WLeung@ingham.org>; lharkness@shiaawasseechd.net; Linda Weiman <LWeiman@livgov.com>; Imikesell@mmdhd.org; Marji Nichols <MNichols@shiaawasseechd.net>; Matthew Budd (mbudd@mijackson.org) <mbudd@mijackson.org>; Melissa Lautermilch <Melissa.Lautermilch@lenawee.mi.us>; Mende Palmer <MPalmer@ingham.org>; meredith.mackey@lenawee.mi.us; Melissa Endres <MEndres@ingham.org>; Natalie.Johnson <Natalie.Johnson@lenawee.mi.us>; Nicole Baran <NBaran@livgov.com>; Nicole Greenway (ngreenway@shiaawasseechd.net) <ngreenway@shiaawasseechd.net>; Nicole Moline <nmoline@mmdhd.org>; Nikki Karazim <NKarazim@bedhd.org>; Norm Keon <nkeon@mmdhd.org>; Patricia Raines <PRaines@ingham.org>; paula.ulrich <paula.ulrich@lenawee.mi.us>; Rochelle Oshay <roshay@mmdhd.org>; Samantha Soltis <SSoltis@ingham.org>; Shajuana Tyson <STyson@ingham.org>; Shymari Harris <SHarris@ingham.org>; Sierra Harns <SHarns@ingham.org>; Smoyer, Stephanie A. (MDOC) <SmoyerS@michigan.gov>; Sumeer Qurashi <SQurashi@ingham.org>; Taylor Olsabeck <TOlsabeck@bedhd.org>; Teresa Spears <TSpears@ingham.org>; Theresa.Enriquez <Theresa.Enriquez@lenawee.mi.us>; Tiffany Tyson <TTyson@ingham.org>; Tamara Jones <TJones@ingham.org>; Tracy Payne (tpayne@mijackson.org) <tpayne@mijackson.org>; Wazhma Frotan <WFrotan@ingham.org>; Whitnee Smith <WSmith@ingham.org>; Amy Worges <AWorges@ingham.org>; Wyki Pang <WPang@ingham.org>; Yvonne Atwood <atwoody@bhsj.org>; Colette Scrimger <cscrimger@bedhd.org>; Dennis Chernin <dennischernin@hotmail.com>; Dianne McCormick <DMcCormick@livgov.com>; Don Lawrenchuk <DLawrenchuk@livgov.com>; Hackert, Pamela B. <phacker2@hfhs.org>; J. Daniel Woodall <jimmie.woodall@spectrumhealth.org>; Jennifer Morse <jmorse@mmdhd.org>; Juan Marquez <JMarquez@livgov.com>; Larry Johnson (Ljohnson@shiaawasseechd.net) <Ljohnson@shiaawasseechd.net>; Lauren Vogell <vogell@msu.edu>; Linda Vail <LVail@ingham.org>; Marcus Cheatham <mcheatham@mmdhd.org>; Martha Hall (martha.hall@lenawee.mi.us) <martha.hall@lenawee.mi.us>; Michael Foust <MFoust@co.jackson.mi.us>; Rashmi Travis <rtravis@mijackson.org>; burnsr <burnsr@bhsj.org>; Adenike Shoyinka <AShoyinka@ingham.org>
Subject: K-12 Sports Contact Tracing & Outbreaks

Hi Region 1,

I know MDHHS doesn't have athletics-specific contact tracing guidance and defaults to LHD discretion to identify close contacts. Mid-Michigan District Health Department recently drafted COVID-19 Contact Tracing for K-12 sports team

guidance and I'm sharing it as a helpful reference (attached). It's based off a [similar document from Louisiana Department of Health](#). MMDHD noted that -- if the contagious person is a teammate, most times they find that the entire team needs to quarantine. But if it was the opposing team, they can watch the film or review who guarded who/who or played at the same time, to do a more focused contact tracing and often not quarantine the entire team, just those who've had direct contact or within 6 ft for greater than 15 min cumulative time.

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Also, below are outbreak IDs for K-12-aged athletics clusters/outbreaks since January (that I'm aware of). Please let me know if I'm missing some and I'm happy to share an updated list with the region in case you see associated cases. With increased in-person learning and athletics, our administration is interested in these outbreaks so I do appreciate a heads up about them. BOL is also available for testing support and sequencing.

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Grand Ledge HS Basketball All Teams	Eaton	MBASKETBALL_GRANDLEDGE_2/2021	18
Grand Ledge HS Pom	Eaton	POM_GRANDLEDGEHS_2/2021	3
Grand Ledge MS Boys Basketball B team	Eaton	MBASKETBALL_TEAMB_GRANDLEDGE_2/2021	1
Okemos HS Freshman Basketball	Ingham	Okemos/FreshmanBB/COVID/Feb2021	4
Okemos HS JV Basketball	Ingham	Okemos/JVBB/COVID/Feb2021	4
Okemos HS Varsity Basketball	Ingham	Okemos/VarsityBB/COVID/Feb2021	4
LENAWEE UNITED HOCKEY PRACTICE	Lenawee	LENAWEE HOCKEY 1-2021	2
Scorpion Fighting System, MMA/Jujitsu, Brighton	Livingston	LIVCOCE221P_1	15

Thank you, truly, for the unbelievable work you've been doing with these case investigations on top of everything else.
-Meghan

Meghan Weinberg, PhD, MPH
Epidemiologist - Region 1
Surveillance and Infectious Disease Epidemiology Section
Michigan Department of Health and Human Services
Cell: (517) 749-2153

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Becky Bennett

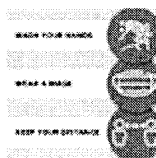
From: Linda Vail
Sent: Wednesday, March 03, 2021 10:48 AM
To: Weinberg, Meghan (DHHS); Alex Bergmooser; Allison Kowalski; Amanda Rockol; Amber Irrer; Anne Hanis; April Williams; Ashleigh Kolski; Brousseau, Geoffrey (DHHS-Contractor); bstoddard@mmdhd.org; Colleen Harns; Cynthia Tran; Dena Kent; Deneen Gallagher; Elaine Brown; Emma Harman; Hilary Pummill; Shelly Holtz; Jackie Anderson; Jamie Shepler; Jamie Wilkie; Jennifer Heslip; Jennifer J. Evans; Jennifer Johnson; Jennifer Mecomber; John Thottungal; Josi Rotunno; Kali Nichols; Karley McDonald; Kris Moyer; Wai Yi Leung; lharkness@shiasmseechd.net; Linda Weiman; lmikesell@mmdhd.org; Marji Nichols; Matthew Budd (mbudd@mijackson.org); Melissa Lautermilch; Mende Palmer; meredith.mackey@lenawee.mi.us; Melissa Endres; Natalie Johnson; Nicole Baran; Nicole Greenway (ngreenway@shiasmseechd.net); Nicole Moline; Nikki Karazim; Norm Keon; Patricia Raines; paula.ulrich; Rochelle Oshay; Samantha Soltis; Shajuana Tyson; Shymari Harris; Sierra Harns; Smoyer, Stephanie A. (MDOC); Sumeer Qurashi; Taylor Olsbeck; Teresa Spears; Theresa Enriquez; Tiffany Tyson; Tamara Jones; Tracy Payne (tpayne@mijackson.org); Wazhma Frotan; Whitnee Smith; Amy Worges; Wyki Pang; Yvonne Atwood; Colette Scrimger; Dennis Chernin; Dianne McCormick; Don Lawrenchuk; Hackert, Pamela B.; J. Daniel Woodall; Jennifer Morse; Juan Marquez; Larry Johnson (ljohnson@shiasmseechd.net); Lauren Vogell; Marcus Cheatham; Martha Hall (martha.hall@lenawee.mi.us); Michael Foust; Rashmi Travis; burns; Adenike Shoyinka
Subject: RE: K-12 Sports Contact Tracing & Outbreaks

I will add that the 10 day quarantine is an option provided by the CDC. They still recommend 14 days. With the 10 day option, individuals would need to monitor for the remainder of a standard quarantine, and as well, should (IMHO) adhere to masking and distancing. I made a decision that the 10 day quarantine can apply to return to classroom, or other daily activities that can be managed with masks and distancing, but they return to play should be the entire 14 day quarantine period because of the inconsistency in mask wearing and distancing with indoor contact sports.

Linda S. Vail, MPA
Health Officer

5303 S. Cedar Street • Lansing, MI 48909
P: 517-887-4311

Pronouns: She/Her/Hers



From: Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>
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To: Alex Bergmooser <bergmoosera@bhsj.org>; Allison Kowalski <AKowalski@mijackson.org>; Amanda Rockol <ARockol@shiasmseechd.net>; Amber Irrer <Alrrer@ingham.org>; Anne Hanis <ahanis@ingham.org>; April Williams <AWilliams2@ingham.org>; Ashleigh Kolski <AKolski@ingham.org>; Brousseau, Geoffrey (DHHS-Contractor) <BrousseauG1@michigan.gov>; bstoddard@mmdhd.org; Colleen Harns <CHarns@ingham.org>; Cynthia Tran

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Thank you, truly, for the unbelievable work you've been doing with these case investigations on top of everything else.
-Meghan

Meghan Weinberg, PhD, MPH

Epidemiologist - Region 1

Surveillance and Infectious Disease Epidemiology Section

Michigan Department of Health and Human Services

Cell: (517) 749-2153



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Becky Bennett

From: Mamou, Fatema (DHHS) <MamouF@michigan.gov>
Sent: Friday, March 05, 2021 5:59 PM
To: May, Christine;Aimee Keefer;kbowen@ioniacounty.org;cshaw;Adenike Shoyinka;Nethercott, Tori;Brummette, Brittni;Brinks, Laura
Subject: Additional B117 Variant Cases among Ionia MDOC Employees and their Contacts

Hello –

MDHHS BOL has identified 3 additional B117 variant cases in Ionia through sequencing of specimens from MDOC employees and their contacts.

 – MDOC Employee
– MDOC Employee
– Wife of MDOC Employee, Investigation ID:  whose specimen was not sequenced likely due to not enough virus present.

Please let me know if you have any questions or if there is anything I can do.

Thank you!
Fatema

Fatema Mamou, MPH
Region 6 Epidemiologist
Surveillance and Infectious Disease Epidemiology Section
Bureau of Epidemiology and Population Health, Michigan Department of Health and Human Services
Physical Address: Kent County Health Department, 700 Fuller Ave NE, Grand Rapids, MI 49503
Ph: 616-632-7245 - Cell: 517-204-6086 E-mail: mamouf@michigan.gov

**Due to COVID-19, I am working remotely. Please contact me via cell # or e-mail for the most prompt response.*

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To: Amber Irrer; Anne Hanis; April Williams; Ashleigh Kolski; Colleen Harns; Cynthia Tran; Adrienne DeFord; Deneen Gallagher; Christine Hendrickson; Shelly Holtz; Jamie Wilkie; Jennifer Heslip; John Thottungal; Wai Yi Leung; Mende Palmer; Melissa Endres; Patricia Raines; Samantha Soltis; Adenike Shoyinka; Shymari Harris; Sierra Harns; Sumeer Qurashi; Teresa Spears; Tiffany Tyson; Tamara Jones; Wazhma Frotan; Amy Worges; Wyki Pang; Linda Vail
Cc: Brousseau, Geoffrey (DHHS-Contractor)
Subject: new B.1.1.7 variants from BOL

Hi ICHD,

Two new B117 variants were identified today for Ingham.

	Ingham County – mother of B117 case	
	Ingham County – MDOC IBC employee	

Please let me know of questions/concerns.

Thanks,
Meghan

Meghan Weinberg, PhD, MPH
Epidemiologist - Region 1
Surveillance and Infectious Disease Epidemiology Section
Michigan Department of Health and Human Services
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Sent: Tuesday, March 09, 2021 12:42 PM
To: May, Christine; Aimee Keefer; kbowen@ioniacounty.org; cshaw; Adenike Shoyinka; Nethercott, Tori; Brummette, Brittnei; Brinks, Laura
Subject: Additional B117 Variant Case among Ionia MDOC Employee

Hello –

MDHHS BOL has identified 1 additional B117 variant case in Ionia. This case is among an MDOC employee.

[REDACTED] – MDOC Employee

Please let me know if you have any questions or if there is anything I can do.

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From: Mamou, Fatema (DHHS)
Sent: Friday, March 5, 2021 5:59 PM
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[REDACTED] – MDOC Employee
[REDACTED] – MDOC Employee
[REDACTED] – Wife of MDOC Employee, [REDACTED], whose specimen was not sequenced likely due to not enough virus present.

Please let me know if you have any questions or if there is anything I can do.

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Fatema

Fatema Mamou, MPH
Region 6 Epidemiologist
Surveillance and Infectious Disease Epidemiology Section
Bureau of Epidemiology and Population Health, Michigan Department of Health and Human Services
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Ph: 616-632-7245 - Cell: 517-204-6085 E-mail: mamouf@michigan.gov

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Becky Bennett

From: Deneen Gallagher
Sent: Wednesday, March 10, 2021 10:00 AM
To: Adenike Shoyinka;Sumeer Qurashi
Subject: FW: Prisoner Paroles- Close Contacts/+ cases

The DOC is reporting that one of the parolees is a variant stain, but when he was paroled he is outside the 10 days infectious period. Not sure there is anything we need to do, but wanted to double check with you.

Tested positive: 2/25/21
Paroled: 3/9/21 (12 days after the positive result)

Let me know if you have any recommendations.

Deneen



Deneen Gallagher RN, BSN
Communicable Disease
Ingham County Health Department

Direct: 517-887-4497
Office: 517-887-4308
Fax: 517-887-4379

From: Tamara Jones
Sent: Wednesday, March 10, 2021 9:48 AM
To: Deneen Gallagher <DGallagher@ingham.org>
Subject: FW: Prisoner Paroles- Close Contacts/+ cases
Importance: High

Please see below.....

From: Turner, Elizabeth (MDOC) <turnere@michigan.gov>
Sent: Wednesday, March 10, 2021 9:33 AM
To: Tamara Jones <TJones@ingham.org>
Subject: RE: Prisoner Paroles- Close Contacts/+ cases
Importance: High

Tamara- we just received notice from additional testing that the prisoner is positive for the B.1.1.7 Variant. I wanted to let you know ASAP.

From: Tamara Jones <TJones@ingham.org>
Sent: Wednesday, March 10, 2021 7:09 AM
To: Turner, Elizabeth (MDOC) <turnere@michigan.gov>
Subject: RE: Prisoner Paroles- Close Contacts/+ cases

CAUTION: This is an External email. Please send suspicious emails to abuse@michigan.gov

Thank you! Have a great day.... ☺

Tamara

From: Turner, Elizabeth (MDOC) <turnere@michigan.gov>
Sent: Tuesday, March 9, 2021 1:28 PM
To: Tamara Jones <TJones@ingham.org>
Subject: Prisoner Paroles- Close Contacts/+ cases

Afternoon Tamara- I am providing notification of several cases we have paroling this week to Ingham County. The first was PCR + and left from an outbreak facility, that also has the B-117 strain. Staff and prisoners are continuing to get tested, and should any results indicate the variant strain, I would immediately contact you. The remaining on this list, are paroling from outbreak facilities, no variant strains.

Age Group	Should Take Action (%)	Should Not Take Action (%)
18-29	85	15
30-49	85	15
50-69	85	15
70+	85	15

[illegible][illegible]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Becky Bennett

From: Mamou, Fatema (DHHS) <MamouF@michigan.gov>
Sent: Thursday, March 11, 2021 5:05 PM
To: May, Christine; Aimee Keefer; kbowen@ioniacounty.org; cshaw; Adenike Shoyinka; Nethercott, Tori; Brummette, Brittini; Brinks, Laura
Subject: New Sequencing Results 3/11/21 - Additional B117 Variant Cases in Ionia

Hello –

MDHHS BOL has identified 3 additional B117 Variant cases in Ionia. The first one does not have any information in MDSS. It may be a community acquired case. The other two are related to the MDOC outbreak.

██████████ – Unknown source of exposure
██████████ – Household contact of Bellamy Creek Employee
██████████ – Bellamy Creek Employee

If you have any questions or if there is anything I can do please let me know.

Thank you!
Fatema

From: Mamou, Fatema (DHHS)
Sent: Tuesday, March 9, 2021 12:42 PM
To: May, Christine <cmay@ioniacounty.org>; Aimee Keefer <akeefer@ioniacounty.org>; kbowen@ioniacounty.org; cshaw@ioniacounty.org; Adenike Shoyinka (ashoyinka@ingham.org) <ashoyinka@ingham.org>; Nethercott, Tori <tnethercott@ioniacounty.org>; Brummette, Brittini <bbrummette@ioniacounty.org>; Brinks, Laura <lbrinks@ioniacounty.org>
Subject: Additional B117 Variant Case among Ionia MDOC Employee

Hello –

MDHHS BOL has identified 1 additional B117 variant case in Ionia. This case is among an MDOC employee.

██████████ – MDOC Employee

Please let me know if you have any questions or if there is anything I can do.

Thank you!
Fatema

From: Mamou, Fatema (DHHS)
Sent: Friday, March 5, 2021 5:59 PM
To: May, Christine <cmay@ioniacounty.org>; Aimee Keefer <akeefer@ioniacounty.org>; kbowen@ioniacounty.org; cshaw@ioniacounty.org; Adenike Shoyinka (ashoyinka@ingham.org) <ashoyinka@ingham.org>; Nethercott, Tori <tnethercott@ioniacounty.org>; Brummette, Brittini <bbrummette@ioniacounty.org>; Brinks, Laura <lbrinks@ioniacounty.org>
Subject: Additional B117 Variant Cases among Ionia MDOC Employees and their Contacts

Hello --

MDHHS BOL has identified 3 additional B117 variant cases in Ionia through sequencing of specimens from MDOC employees and their contacts.

[REDACTED] – MDOC Employee
[REDACTED] – MDOC Employee
[REDACTED] – Wife of MDOC Employee, [REDACTED], whose specimen was not sequenced likely due to not enough virus present.

Please let me know if you have any questions or if there is anything I can do.

Thank you!
Fatema

Fatema Mamou, MPH
Region 6 Epidemiologist
Surveillance and Infectious Disease Epidemiology Section
Bureau of Epidemiology and Population Health, Michigan Department of Health and Human Services
Physical Address: Kent County Health Department, 700 Fuller Ave NE, Grand Rapids, MI 49503
Ph: 616-632-7245 - Cell: 517-204-6086 E-mail: mamouf@michigan.gov

**Due to COVID-19, I am working remotely. Please contact me via cell # or e-mail for the most prompt response.*

"Confidentiality Notice: This message, including any attachments, is intended solely for the use of the named recipient(s) and may contain confidential and/or privileged information. Any unauthorized review, use, disclosure or distribution of this communication(s) is expressly prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy any and all copies of the original message."

Becky Bennett


From: Bowen, Ken <kbowen@ioniacounty.org>
Sent: Thursday, March 11, 2021 5:08 PM
To: May, Christine; Shaw, Chad; Adenike Shoyinka; Nethercott, Tori; Brummette, Brittini; Brinks, Laura
Subject: RE: New Sequencing Results 3/11/21 - Additional B117 Variant Cases in Ionia

Please let me know what we can find out about the unknown case.

From: Mamou, Fatema (DHHS) <MamouF@michigan.gov>
Sent: Thursday, March 11, 2021 5:05 PM
To: May, Christine <cmay@ioniacounty.org>; Keefer, Aimee <akeefer@ioniacounty.org>; Bowen, Ken <kbowen@ioniacounty.org>; Shaw, Chad <cshaw@ioniacounty.org>; Adenike Shoyinka <ashoyinka@ingham.org>; Nethercott, Tori <tnethercott@ioniacounty.org>; Brummette, Brittini <bbrummette@ioniacounty.org>; Brinks, Laura <lbrinks@ioniacounty.org>
Subject: New Sequencing Results 3/11/21 - Additional B117 Variant Cases in Ionia
Importance: High

Hello –

MDHHS BOL has identified 3 additional B117 Variant cases in Ionia. The first one does not have any information in MDSS. It may be a community acquired case. The other two are related to the MDOC outbreak.

 – Unknown source of exposure
– Household contact of Bellamy Creek Employee
– Bellamy Creek Employee


If you have any questions or if there is anything I can do please let me know.

Thank you!
Fatema

From: Mamou, Fatema (DHHS)
Sent: Tuesday, March 9, 2021 12:42 PM
To: May, Christine <cmay@ioniacounty.org>; Aimee Keefer <akeefer@ioniacounty.org>; kbowen@ioniacounty.org; cshaw@ioniacounty.org; Adenike Shoyinka (ashoyinka@ingham.org) <ashoyinka@ingham.org>; Nethercott, Tori <tnethercott@ioniacounty.org>; Brummette, Brittini <bbrummette@ioniacounty.org>; Brinks, Laura <lbrinks@ioniacounty.org>
Subject: Additional B117 Variant Case among Ionia MDOC Employee

Hello –

MDHHS BOL has identified 1 additional B117 variant case in Ionia. This case is among an MDOC employee.

 – MDOC Employee

Please let me know if you have any questions or if there is anything I can do.

Thank you!
Fatema

From: Mamou, Fatema (DHHS)
Sent: Friday, March 5, 2021 5:59 PM
To: May, Christine <cmay@ioniacounty.org>; Aimee Keefer <akeefer@ioniacounty.org>; kbowen@ioniacounty.org;
cshaw@ioniacounty.org; Adenike Shoyinka (ashoyinka@ingham.org) <ashoyinka@ingham.org>; Nethercott, Tori
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Subject: Additional B117 Variant Cases among Ionia MDOC Employees and their Contacts

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 – MDOC Employee
– MDOC Employee
– Wife of MDOC Employee,  whose specimen was not sequenced likely due to not enough virus present.

Please let me know if you have any questions or if there is anything I can do.

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**Due to COVID-19, I am working remotely. Please contact me via cell # or e-mail for the most prompt response.*

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Becky Bennett

From: Michigan Health Alert Network <b6d8f7b8-0005-3000-80c0-fceb55463ffe@notify.michiganhan.org>
Sent: Friday, March 12, 2021 2:54 PM
To: Adenike Shoyinka
Subject: Pfizer and Moderna Orders for Shipment Week 3-14-21
Attachments: Moderna Alloc -Ship Week 3-14-21.pdf; Moderna Email Notice - Updated 3-5-.docx; Pfizer Alloc-Ship Week 3-14-21.pdf; Pfizer Email Notice - Updated 3-5-2.docx

Nike Shoyinka,

Good Afternoon,

Apologies for the delay - Attached are the Pfizer and Moderna vaccine orders placed today for shipment next week. Also attached are the mail merge email notices sent to each site with an order placed.

If you have questions, please email checcimms@michigan.gov.

--This message was sent to LPH EPC, HO, MD, LHD CD and Imms Roles, MDHHS CHECC staff, mailboxes and Leadership roles.--

You may respond by doing one of the following:

- Click the appropriate response in the following list of response options,
- Or, reply via email with your response option. Please note that you must include the number of your response option, such as **1**, in the body of your email in order for your response to be recorded.

Option# Response:

1. Message Received.

Thank you,
Michigan Health Alert Network

MDOC

Facility	Name	Address2	City	County	Zip	VFC PIN	Email 1	Email 2	Moderna 1st Doses Ordered	Moderna 2nd Doses Ordered	Total Moderna Doses Ordered
JCS	Cooper Street Corr. Facility	3100 Cooper Street	Jackson	Jackson	49201		MaxsonK2@michigan.gov	BussellK1@michigan.gov	800	0	800
JCF	G. Robert Cotton Corr. Facility	3500 North Elm Rd	Jackson	Jackson	49201		LandfairS@michigan.gov	BussellK1@michigan.gov	1000	0	1000
ARF	Gus Harrison Corr Facility	2727 E. Beecher St	Adrian	Lenawee	49221		KorteK@michigan.gov	BaileyH@michigan.gov	1000	0	1000
SMT	Parnall Correctional Facility	1780 E. Parnall	Jackson	Jackson	49201		KingM12@michigan.gov	BussellK1@michigan.gov	700	0	700
WHV	Women's Huron Valley	3201 Bemis Road	Ypsilanti	Washtenaw	48197		JonesJ91@michigan.gov	PiggC@michigan.gov	1000	0	1000
									4500	0	4500

PCP/Priority Group: 5,000 doses pending confirmation

Transfer to Federal Tribal Partnership/Indian Health Services

Total: 1400 doses

Little River Band of Ottawa Indians- 100 doses

Pokagon Band of Potawatomi- 500 doses

Little Traverse Bay Bands of Odawa Indians- 200 doses

Sault Ste. Marie Tribe of Chippewa Indians- 500 doses

Nottawaseppi Huron Band of the Potawatomi- 100 doses

Email for Moderna Orders – updated 3/5/21

To: Email 1 and Email 2 in spreadsheet

SUBJECT: Notification of Moderna Vaccine Order

MDHHS has submitted an order for distribution of the Moderna vaccine for «Site Name». Your facility will be receiving XXXXX total Moderna doses in the upcoming week:

- XXXX are designated as FIRST doses.
- XXXX are designated as SECOND doses.

These doses are anticipated to arrive on Monday or Tuesday.

Ancillary kits for Moderna vaccine will arrive within 24 hours of the vaccine.

Please always refer to the most up-to-date MDHHS Vaccination Prioritization Guidance.

Temperature reminder: Keep in mind that Moderna is stored at a *more narrow frozen temperature range than other frozen vaccines such as varicella-containing vaccines*, so please ensure your freezer is within the appropriate range: It is to be stored frozen between -25°C and -15°C (-13°F and 5°F). It can also be stored at refrigerated temperatures between 2°C and 8°C (36°F and 46°F) for up to 30 days before vials are punctured.

VaccineFinder Requirement Reminder: All providers must report inventory each day to VaccineFinder, as required by CDC. For tip sheets and videos on using VaccineFinder, please visit <https://vaccinefinder.org/covid-provider-resources>.

- Contact Information for VaccineFinder Provider Support
 - eocevent522@cdc.gov for registration / email change help and for general COVID VaccineFinder inquiries, or
 - vaccinefinder@castlighthealth.com for technical assistance with account log-in problems, password resets, file upload errors, etc.

FIRST DOSES will no longer be ordered via requests. First dose orders have transitioned to allocation-based ordering only (order notifications will continue for both).

SECOND DOSES will no longer be ordered via requests. Second dose orders have transitioned to allocations based on previous first dose orders. For Pfizer, second dose orders will be sent 3 weeks after the first dose Pfizer order was placed. Second dose orders for Moderna doses 4 weeks after the first dose Moderna order was placed.

It is the responsibility of the ordering provider to ensure that second doses are not used for first doses and are available for timely second dose vaccination. **Please mark second dose vaccine packaging as SECOND DOSE ONLY to visually identified that these vaccines are reserved for**

second dose. Ideally, these vaccines would be stored in a separate shelf or freezer/refrigerator. CDC is allocating exact numbers of second doses based on first doses distributed. If you have inadvertently used your second dose as first dose, you will need to make use of your existing first dose inventory to make up that lapse.

Use of vaccine: Michigan is currently vaccinating individuals who are:

PHASE 1A: Paid and unpaid persons serving in health care settings who have the potential for direct or indirect exposure to patients or infectious materials and are unable to work from home, as well as residents in long-term care facilities.

PHASE 1B Group A and B only:

Group A: Persons 75 years of age or older not covered in Phase 1A. This includes those in a congregate setting that were not reached in Phase 1A.

Group B: Prioritized frontline workers whose work role has frequent or intense exposure, and, due to the nature of the work, are not able to maintain social distance. For example, a first responder may have to physically touch other people in their response, and a child care provider cannot maintain social distance from children when caring for their physical needs. The specific prioritized categories are:

- Pre-Kindergarten through high school teachers, support staff and child care workers who usually have direct contact with children
- First responders not covered in Phase 1A (e.g., firefighters, police, conservation officers, inspectors)
- Corrections workers (e.g., staff in prisons, jails, juvenile justice facilities)
- Workers in homeless shelters, congregate child care institutions, and adult and child protective services
- Beginning March 1, 2021: Frontline essential workers in the food processing and agricultural industries

PHASE 1C Group A: Individuals age 65 to 74 years. This includes those in congregate settings that were not reached in prior Phases.

March 8, 2021: People who are aged 50 and up with medical conditions and disabilities, as well as caregiver family members and guardians age 16 and older of children who have special health care needs (part of Phase 1C Groups B and C). This includes individuals in Phase 1B Group B who live in congregate settings (i.e., homeless shelters, jails, prisons)

March 22, 2021: People who are aged 50 and up (part of Phase 2). This includes people who live in congregate settings (i.e., homeless shelters, jails, prisons).

Coordination: Local health departments are responsible for oversight and implementation of the vaccine strategy within their jurisdictions. They play a crucial convening and coordination role in both the distribution and administration of vaccine.

Hospitals are being provided this vaccine to administer to individuals who are in Phase 1a and individuals who are aged 65 years or older (Phase 1b Group A and Phase 1c Group A). Any

vaccinations of non-health care essential workers in Phase 1b Group B should be coordinated with the local health department. Other groups are not currently eligible for vaccination.)

Vaccine Transfer: The Covid-19 vaccine is a federal asset and requires proper accounting at provider, state and federal levels. Transfer of vaccine should be minimized, may only occur between Federally Enrolled COVID providers for the same use that the vaccine was originally allocated for, and must be made after review of the Federal COVID vaccine redistribution form by the state health department Immunization Program. The vaccine inventory can then be transferred within MCIR to the new provider.

If an ordering provider is unable to use their allocated doses within the intended population in a reasonable time frame, they should reach out to the local health department they are located in to identify a partner who can make appropriate use of the vaccine and to coordinate the transfer. Each ordering provider is responsible for managing the need and timing for second dose. If you transfer doses you are responsible for assuring second doses are transferred to that provider as well.

Outreach: MDHHS is committed to ensuring that all Michiganders have equitable access to vaccines. Ordering providers can make use of the below table to identify zip codes and census tracts to focus outreach efforts (see attached SVI Outreach Zip Codes). The table includes the census tracts which are in the highest quartile for Social Vulnerability Index and their associated zip codes.

Sign up to Review Order Details and Receive Shipment Emails with Tracking IDs

- Review this [new tip sheet](#) to see how you can review order details and receive email notifications for shipments, including tracking IDs. This allows you to add “e-order contacts” to your MCIR site for this enhanced order review ability. These emails will come from mcir@michigan.gov. Moderna does not send direct shipment notices, so please be sure to add appropriate users to your MCIR site accordingly. This guidance is also included on [our website](#), along with additional inventory support.

Reminders and Resources for Support:

- Please review our new MDHHS website [COVID-19 Vaccine Provider Guidance & Educational Resources](#). Save/bookmark this site as it will be updated frequently.
 - Moderna-specific materials are available on this website
- **Distributors utilize the shipping hours as entered in your MCIR VFC Shipping tab.** Please ensure your shipping hours and address correctly reflect your ability to receive orders. To check shipping information in your MCIR site (hours, address, etc.), please [utilize this tip sheet](#).

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come from mcir@michigan.gov. This guidance is also included on [our website](#), along with additional inventory support.

If you have questions, please email checcimms@michigan.gov.

Thank you.

County, ZIP and High-Risk Census Tracts	High-risk Tract, SVI Score (2014-18)	County, ZIP and High-Risk Census Tracts	High-risk Tract, SVI Score (2014-18)	County, ZIP and High-Risk Census Tracts	High-risk Tract, SVI Score (2014-18)
Allegan	0.82	Lake	0.87	Wayne	0.89
49010	0.88	49402	0.92	48125	0.80
26005031000	0.88	26085961200	0.92	26163572500	0.81
49423	0.77	49642	0.82	26163572900	0.79
26005032200	0.77	26085961100	0.82	48126	0.83
Arenac	0.77	Lenawee	0.93	26163573400	0.83
48658	0.77	49221	0.95	48127	0.77
26011970200	0.77	26091061301	0.99	26163571800	0.79
48659	0.77	26091061302	0.98	26163571900	0.76
26011970500	0.77	26091061400	0.87	48141	0.94
Baraga	0.77	26091061600	0.96	26163570400	0.98
49946	0.77	49248	0.87	26163570500	0.90
26013000200	0.77	26091061700	0.87	26163570600	0.93
Bay	0.82	Mackinac	0.83	26163570800	0.99
48706	0.80	49775	0.83	26163570900	0.89
26017280700	0.76	26097950500	0.83	26163571000	0.92
26017285800	0.84	Macomb	0.85	48146	0.77
48708	0.84	48015	0.84	26163577300	0.77
26017280900	0.76	26099268100	0.84	48174	0.81
26017286500	0.93	48021	0.79	26163585500	0.87
48732	0.82	26099258300	0.78	26163585700	0.76
26017285202	0.82	26099258400	0.80	48180	0.87
Berrien	0.88	48035	0.78	26163583200	0.76
49022	0.94	26099241500	0.79	26163584200	0.92
26021000300	0.93	26099242100	0.78	26163584600	0.92
26021000400	1.00	48036	0.85	48184	0.83
26021000500	0.91	26099240800	0.76	26163566500	0.85
26021000600	0.95	26099245000	0.94	26163566900	0.85
26021002000	0.82	48043	0.98	26163585600	0.80
26021002100	0.98	26099240000	1.00	48186	0.96
26021002200	1.00	26099247100	0.95	26163568500	0.96

26021002300	0.92	48045	0.76	48201	0.92
49038	0.77	26099241000	0.76	26163517500	0.91
26021002500	0.77	48051	0.78	26163521800	0.89
49098	0.82	26099222101	0.78	26163522500	0.95
26021010300	0.82	48066	0.86	48202	0.93
49107	0.76	26099255200	0.83	26163511200	0.94
26021020200	0.76	26099255700	0.83	26163511900	0.91
49111	0.77	26099256100	0.80	26163532400	0.95
26021010500	0.77	26099256600	0.97	48203	0.92
49120	0.86	48089	0.85	26163507800	0.98
26021020500	0.85	26099262600	0.77	26163507900	0.77
26021020700	0.96	26099264000	0.96	26163508000	0.96
26021020900	0.78	26099264200	0.81	26163508100	0.94
Branch	0.89	26099268400	0.85	26163511400	1.00
49030	0.79	48091	0.91	26163553000	0.89
26023951200	0.79	26099262400	0.99	26163553100	0.91
49036	0.94	26099262500	0.78	26163553200	0.80
26023951400	0.91	26099263200	0.95	26163553300	0.92
26023951600	0.97	26099263500	0.90	26163553400	0.99
Calhoun	0.90	26099263600	0.95	26163553800	0.90
49014	0.91	26099263800	0.89	48204	0.93
26025000600	0.94	48314	0.76	26163526500	0.98
26025002100	0.88	26099228100	0.76	26163527200	0.99
49015	0.91	Mason	0.76	26163530800	0.94
26025001300	0.97	49405	0.76	26163533500	0.94
26025001400	0.85	26105950600	0.76	26163533600	0.88
49016	0.96	Mecosta	0.85	26163534600	0.88
26025004100	0.96	49307	0.85	26163534700	0.89
49017	0.93	26107960500	0.85	48205	0.86
26025001100	0.93	Missaukee	0.83	26163500300	0.84
49037	0.91	49667	0.83	26163500400	0.88
26025000300	0.99	26113960100	0.83	26163503100	0.88
26025001000	0.96	Monroe	0.97	26163503400	0.88
26025002600	0.80	48161	0.97	26163503500	0.86
49068	0.76	26115831800	0.97	26163503600	0.90
26025004000	0.76	Montcalm	0.79	26163505200	0.79
49224	0.89	48809	0.81	48206	0.91
26025003300	0.97	26117971300	0.81	26163530900	0.99
26025003500	0.77	48812	0.76	26163531100	1.00
26025003600	0.93	26117970200	0.76	26163531400	0.85
Cass	0.89	48886	0.79	26163532200	0.90
49045	0.86	26117970400	0.79	26163533100	0.91
26027002000	0.86	Muskegon	0.91	26163533200	0.84

49047	0.93	49442	0.94	48207	0.89
26027002100	0.93	26121000100	0.86	26163516200	0.99
Cheboygan	0.89	26121000300	0.99	26163516300	0.90
49721	0.89	26121000500	0.98	26163516600	0.94
26031960300	0.89	49443	0.93	26163516700	0.83
Chippewa	0.80	26121004200	0.93	26163516800	0.85
49783	0.80	49444	0.90	26163518600	0.76
26033970200	0.84	26121000601	0.89	26163518800	0.87
26033970300	0.76	26121001200	0.86	26163518900	0.97
Clare	0.84	26121001300	0.91	48208	0.93
48617	0.75	26121002601	0.84	26163522000	0.98
26035000600	0.75	26121004300	1.00	26163522100	0.77
48625	0.86	49445	0.87	26163522200	0.97
26035000900	0.82	26121000401	0.96	26163522300	0.97
26035001000	0.88	26121001902	0.78	26163527300	0.98
26035001300	0.90	Newaygo	0.83	26163532600	0.86
Clinton	0.91	49337	0.89	26163533000	1.00
48906	0.91	26123970700	0.89	26163533300	0.90
26037010203	0.91	49412	0.80	48209	0.94
Crawford	0.82	26123970300	0.80	26163523400	0.93
49738	0.82	49413	0.75	26163524900	0.96
26039960300	0.82	26123970500	0.75	48210	0.89
Delta	0.86	49457	0.88	26163525400	0.97
49829	0.79	26123971200	0.88	26163526400	0.82
26041971000	0.79	Oakland	0.91	48211	0.94
49894	0.93	48033	0.90	26163518500	0.94
26041970800	0.93	26125160300	0.96	48212	0.91
Dickinson	0.79	26125161800	0.84	26163506500	0.83
49802	0.79	48076	0.85	26163507000	0.95
26043950600	0.79	26125160500	0.80	26163552100	0.96
Eaton	0.84	26125161400	0.90	48213	0.87
48813	0.84	48220	0.95	26163503900	0.86
26045020901	0.84	26125172500	0.95	26163504100	0.89
Genesee	0.87	48237	0.84	26163504200	0.87
48420	0.87	26125171600	0.87	26163504300	0.87
26049010110	0.85	26125172400	0.82	26163504400	0.79
26049012201	0.90	48326	0.94	26163504700	0.89
48433	0.78	26125141100	0.94	26163505400	0.84
26049010502	0.78	48328	0.86	26163505500	0.92
48457	0.82	26125144701	0.86	26163512100	0.94
26049012602	0.82	48334	0.86	26163515900	0.86
48458	0.86	26125166600	0.86	48214	0.90

26049010305	0.93	48336	0.76	26163513600	1.00
26049012310	0.84	26125167300	0.76	26163513900	0.92
26049012311	0.82	48340	0.94	26163514100	0.99
48501	0.85	26125141000	0.91	26163514200	0.93
26049002800	0.85	26125141200	0.99	26163514300	1.00
48503	0.91	26125141300	0.89	26163514500	0.77
26049001100	0.88	26125141500	0.98	26163515200	0.80
26049001400	0.92	48341	0.97	26163515300	0.93
26049002900	0.85	26125142000	0.99	26163515600	0.90
26049003700	0.94	26125142100	0.99	26163516000	0.81
26049013600	0.96	26125142300	0.96	48215	0.92
48504	0.85	26125142700	0.94	26163512300	0.99
26049000100	0.80	48342	0.93	26163512400	0.80
26049000300	0.83	26125141600	1.00	26163512600	0.93
26049000500	0.78	26125141700	0.96	26163512900	0.99
26049001200	0.92	26125142200	0.93	26163513200	0.90
26049010501	0.79	26125142400	0.84	48216	0.98
26049010812	1.00	Oceana	0.89	26163525000	0.98
48505	0.88	49420	0.96	48217	0.88
26049000200	0.92	26127010400	0.96	26163524700	0.88
26049000400	0.90	49452	0.81	26163524800	0.82
26049000600	0.79	26127010600	0.81	26163579300	0.94
26049000800	0.83	Ogemaw	0.81	48218	0.98
26049001000	0.87	48661	0.83	26163579500	0.98
26049001700	0.94	26129950500	0.83	48219	0.89
26049001800	0.81	48739	0.75	26163540600	0.79
26049002000	0.84	26129950100	0.75	26163540700	0.90
26049010304	0.98	48770	0.84	26163540900	0.80
48506	0.89	26129950900	0.84	26163541000	0.95
26049001900	0.93	Osceola	0.81	26163541100	0.79
26049002200	0.81	49338	0.83	26163541400	0.98
26049002300	0.92	26133970600	0.83	26163541500	0.95
26049002400	0.91	49631	0.75	26163541700	0.86
26049002600	0.85	26133970500	0.75	26163544200	0.97
26049003100	0.95	49639	0.89	48221	0.82
48507	0.87	26133970400	0.89	26163530100	0.78
26049003500	0.93	49665	0.77	26163538500	0.78
26049003800	0.93	26133970100	0.77	26163539000	0.86
26049010813	0.81	Oscoda	0.86	26163539100	0.85
26049010912	0.75	48621	0.82	48222	0.96
26049013500	0.92	26135970300	0.82	26163521100	0.96
48532	0.88	48647	0.90	48223	0.84
26049010811	0.88	26135970400	0.90	26163542500	0.77

26049010911	0.88	Otsego	0.90	26163542600	0.82
Gladwin	0.89	49734	0.90	26163543500	0.87
48612	0.89	26137950300	0.90	26163543800	0.87
26051000700	0.89	Presque Isle	0.83	26163543900	0.89
Grand Traverse	0.80	49765	0.83	26163554500	0.85
49685	0.80	26141950400	0.83	48224	0.87
26055551300	0.80	Roscommon	0.87	26163500900	0.86
Gratiot	0.87	48630	0.86	26163501100	0.82
48801	0.83	26143971000	0.86	26163501200	0.91
26057000500	0.83	48651	0.88	26163501300	0.89
48880	0.91	26143970300	0.88	26163501500	0.87
26057000300	0.91	Saginaw	0.91	48225	0.84
Hillsdale	0.78	48601	0.94	26163500700	0.84
49242	0.78	26145000100	0.86	48227	0.87
26059050500	0.79	26145000200	0.92	26163535200	0.80
26059050700	0.78	26145000800	0.90	26163535300	0.92
49250	0.77	26145000900	0.98	26163536600	0.79
26059050300	0.77	26145001000	0.98	26163536700	0.93
Houghton	0.75	26145011000	0.99	26163536900	0.90
49930	0.75	26145011500	0.96	26163537100	0.85
26061000600	0.75	48602	0.89	26163537300	0.97
Huron	0.81	26145001300	0.93	26163537600	0.97
48413	0.81	26145001500	0.81	26163537700	0.90
26063951000	0.81	26145001700	0.98	26163537800	0.81
Ingham	0.84	26145001800	0.95	26163542100	0.79
48910	0.96	26145001900	0.78	26163542200	0.85
26065005304	0.96	48603	0.85	26163542300	0.78
48911	0.82	26145010401	0.85	48228	0.92
26065003601	0.85	48605	0.94	26163535000	0.87
26065005303	0.79	26145000600	0.94	26163535100	0.99
48912	0.76	48607	0.94	26163535400	0.98
26065006500	0.76	26145000400	0.88	26163535700	0.87
48915	0.75	26145000700	1.00	26163545200	0.93
26065000600	0.75	48722	0.88	26163545300	0.99
48917	0.88	26145011600	0.88	26163546500	0.96
26065003500	0.88	48724	0.79	26163546600	0.92
48933	0.91	26145010800	0.79	26163546900	0.80
26065006600	0.91	Sanilac	0.80	48229	0.91
Ionia	0.76	48401	0.78	26163577000	0.92
48846	0.76	26151970900	0.78	26163579600	0.87
26067031600	0.76	48741	0.82	26163579700	0.86
Jackson	0.89	26151971000	0.82	26163579800	0.98

49201	0.90	Schoolcraft	0.83	48234	0.85
26075000200	0.97	49854	0.83	26163506300	0.91
26075000400	0.78	26153000300	0.83	26163506600	0.91
26075000600	0.94	Shiawassee	0.76	26163506800	0.83
26075006900	0.89	48867	0.76	26163506900	0.78
49202	0.85	26155030800	0.76	26163507100	0.83
26075000500	0.76	St. Clair	0.90	26163507400	0.83
26075005900	0.94	48014	0.81	26163507500	0.76
49203	0.90	26147657100	0.81	26163511000	1.00
26075001100	0.98	48060	0.91	48235	0.85
26075001200	0.80	26147620000	0.97	26163538700	0.86
26075001300	0.92	26147621000	0.90	26163539200	0.95
Kalamazoo	0.89	26147624000	0.98	26163539400	0.80
49001	0.94	26147625000	0.79	26163539500	0.88
26077001803	0.94	48061	0.98	26163539600	0.82
49003	0.93	26147636000	0.98	26163539700	0.84
26077001000	0.93	St. Joseph	0.87	26163540100	0.81
49004	0.82	49042	0.85	26163540200	0.87
26077000500	0.82	26149040300	0.92	26163540300	0.86
49007	0.88	26149041101	0.79	26163540400	0.87
26077000202	0.77	49091	0.91	26163540800	0.81
26077000300	0.97	26149040600	0.96	48236	0.89
26077000900	0.90	26149040800	0.85	26163501700	0.96
49019	0.83	49093	0.82	26163551300	0.82
26077001801	0.83	26149040400	0.82	48238	0.89
49048	0.92	Tuscola	0.90	26163530300	0.97
26077005501	0.92	48723	0.87	26163530400	0.87
Kalamazoo	0.76	26157000600	0.87	26163530500	0.81
49676	0.76	48768	0.92	26163531600	0.89
26079950200	0.76	26157000900	0.92	26163531700	0.87
49680	0.76	Van Buren	0.87	26163531800	0.92
26079950300	0.76	49026	0.95	26163531900	0.88
Kent	0.90	26159012000	0.95	26163534200	0.91
49503	0.91	49063	0.83	26163536100	0.97
26081001101	0.81	26159010200	0.83	26163536300	0.86
26081003200	0.91	49098	0.81	26163536500	0.83
26081003600	1.00	26159011300	0.81	48240	0.77
49505	0.91	Washtenaw	0.83	26163554400	0.77
26081001102	0.91	48198	0.83	Wexford	0.79
49507	0.97	26161410700	0.78	49601	0.76
26081002800	0.99	26161410800	0.83	26165380800	0.76
26081003100	0.95	26161411900	0.86	49649	0.82
49512	0.87	26161412100	0.85	26165380100	0.82

26081004500	0.87
49519	0.80
26081013801	0.80
49534	0.82
26081002700	0.82

Email for Pfizer Orders –updated 3-5-21

To: Email 1 and Email 2 in spreadsheet

SUBJECT: Notification of Pfizer Vaccine Order

MDHHS has submitted an order for distribution of the Pfizer vaccine for «Site Name». Your facility will be receiving XXXXX total Pfizer doses in the upcoming week:

- XXXX are designated as FIRST doses
- XXXX are designated as SECOND doses

These doses are anticipated to arrive on Monday.

Ancillary supplies including diluent will arrive within 24 hours of vaccine delivery.

Please be sure to follow the most up-to-date MDHHS Vaccination Prioritization Guidance.

Dry Ice: If you do not have an ultra-cold freezer onsite, you will receive dry ice from the federal government only for your FIRST refresh of dry ice (within 24 hrs) if you need to utilize the thermal shipper for storage. For additional dry ice, see dry ice ordering process.

Temperature Updates for Pfizer Vaccine: On February 25, 2021, the U.S. Food and Drug Administration (FDA) announced that it is allowing undiluted frozen vials of Pfizer-BioNTech COVID-19 Vaccine to be transported and stored at conventional temperatures commonly found in pharmaceutical freezers (-25C to -15C; -13F to 5F) **for a period of two weeks**. This reflects an **alternative to the recommended storage of undiluted vials in an ultra-low temperature freezer between -80C to -60C (-112F to -76F)**. In brief, undiluted vials may be stored at the following temperature ranges:

- Between -80°C and -60°C (-112F to -76F) until the expiration date
- Between -25C and -15C (-13F to 5F) for up to two weeks
 - Note: These temperatures are within the appropriate range for routinely recommended vaccines, BUT the temperature range for this vaccine is tighter. If storing the vaccine in a freezer with routinely recommended vaccines, carefully adjust the freezer temperature to the temperature range for this vaccine.
- Between 2°C and 8°C (35°F to 46°F) for up to 120 hours (5 days)
- **These changes are further outlined in the FDA's Fact Sheet for Healthcare Providers Administering Vaccine (Vaccination Providers).**

VaccineFinder Requirement Reminder: All providers must report inventory each day to VaccineFinder, as required by CDC. For tip sheets and videos on using VaccineFinder, please visit <https://vaccinefinder.org/covid-provider-resources>.

- Contact Information for VaccineFinder Provider Support:

- eoevent522@cdc.gov for registration / email change help and for general COVID VaccineFinder inquiries, or
- vaccinefinder@castlighthouse.com for technical assistance with account log-in problems, password resets, file upload errors, etc.

FIRST DOSES will no longer be ordered via requests. First dose orders have transitioned to allocation-based ordering only (order notifications will continue for both).

SECOND DOSES will no longer be ordered via requests. Second dose orders have transitioned to allocations based on previous first dose orders. For Pfizer, second dose orders will be sent 3 weeks after the first dose Pfizer order was placed. Second dose orders for Moderna doses 4 weeks after the first dose Moderna order was placed.

It is the responsibility of the ordering provider to ensure that second doses are not used for first doses and are available for timely second dose vaccination. **Please mark second dose vaccine packaging as SECOND DOSE ONLY to visually identify that these vaccines are reserved for second dose.** Ideally, these vaccines would be stored in a separate shelf or freezer/refrigerator. CDC is allocating exact numbers of second doses based on first doses distributed. If you have inadvertently used your second dose as first dose, you will need to make use of your existing first dose inventory to make up that lapse.

Use of vaccine: Michigan is currently vaccinating individuals who are:

PHASE 1A: Paid and unpaid persons serving in health care settings who have the potential for direct or indirect exposure to patients or infectious materials and are unable to work from home, as well as residents in long-term care facilities.

PHASE 1B Group A and B only:

Group A: Persons 75 years of age or older not covered in Phase 1A. This includes those in a congregate setting that were not reached in Phase 1A.

Group B: Prioritized frontline workers whose work role has frequent or intense exposure, and, due to the nature of the work, are not able to maintain social distance. For example, a first responder may have to physically touch other people in their response, and a child care provider cannot maintain social distance from children when caring for their physical needs. The specific prioritized categories are:

- Pre-Kindergarten through high school teachers, support staff and child care workers who usually have direct contact with children
- First responders not covered in Phase 1A (e.g., firefighters, police, conservation officers, inspectors)
- Corrections workers (e.g., staff in prisons, jails, juvenile justice facilities)
- Workers in homeless shelters, congregate child care institutions, and adult and child protective services
- March 1, 2021: Frontline essential workers in the food processing and agricultural industries

PHASE 1C GROUP 1A:

- Individuals age 65 to 74 years. This includes those in congregate settings that were not reached in prior Phases.

March 8, 2021: People who are aged 50 and up with medical conditions and disabilities, as well as caregiver family members and guardians age 16 and older of children who have special health care needs (part of Phase 1C Groups B and C). This includes individuals in Phase 1B Group B who live in congregate settings (i.e., homeless shelters, jails, prisons)

March 22, 2021: People who are aged 50 and up (part of Phase 2). This includes people who live in congregate settings (i.e., homeless shelters, jails, prisons).

Coordination: Local health departments are responsible for oversight and implementation of the vaccine strategy within their jurisdictions. They play a crucial convening and coordination role in both the distribution and administration of vaccine.

Hospitals are being provided this vaccine to administer to individuals who are in Phase 1a and individuals who are aged 65 years or older (Phase 1b Group A and Phase 1c Group A). Any vaccinations of non-health care essential workers in Phase 1b Group B should be coordinated with the local health department. Other groups are not currently eligible for vaccination.)

Vaccine Transfer: The Covid-19 vaccine is a federal asset and requires proper accounting at provider, state and federal levels. Transfer of vaccine should be minimized, may only occur between Federally Enrolled COVID providers for the same use that the vaccine was originally allocated for, and must be made after review of the Federal COVID vaccine redistribution form by the state health department Immunization Program. The vaccine inventory can then be transferred within MCIR to the new provider.

If an ordering provider is unable to use their allocated doses within the intended population in a reasonable time frame, they should reach out to the local health department they are located in to identify a partner who can make appropriate use of the vaccine and to coordinate the transfer. Each ordering provider is responsible for managing the need and timing for second dose. If you transfer doses you are responsible for assuring second doses are transferred to that provider as well.

Outreach: MDHHS is committed to ensuring that all Michiganders have equitable access to vaccines. Ordering providers can make use of the below table to identify zip codes and census tracts to focus outreach efforts (see attached SVI Outreach Zip Codes). The table includes the census tracts which are in the highest quartile for Social Vulnerability Index and their associated zip codes.

Reminders and Resources for Support:

- Please review our new MDHHS website [COVID-19 Vaccine Provider Guidance & Educational Resources](#). Save/bookmark this site as it will be updated frequently.
 - Pfizer-specific materials are available on this website

- **Distributors utilize the shipping hours as entered in your MCIR VFC Shipping tab.** Please ensure your shipping hours and address correctly reflect your ability to receive orders. To check shipping information in your MCIR site (hours, address, etc.), please utilize this tip sheet.

Sign up to Review Order Details and Receive Shipment Emails with Tracking IDs

- Review this tip sheet to see how you can review order details and receive email notifications for shipments, including tracking IDs. This allows you to add “e-order contacts” to your MCIR site for this enhanced order review ability. These emails will come from mcir@michigan.gov. This guidance is also included on our website, along with additional inventory support.

If you have questions, please email checcimms@michigan.gov.

Thank you.

County, ZIP and High-Risk Census Tracts	High-risk Tract, SVI Score (2014-18)	County, ZIP and High-Risk Census Tracts	High-risk Tract, SVI Score (2014-18)	County, ZIP and High-Risk Census Tracts	High-risk Tract, SVI Score (2014-18)
Allegan	0.82	Lake	0.87	Wayne	0.89
49010	0.88	49402	0.92	48125	0.80
26005031000	0.88	26085961200	0.92	26163572500	0.81
49423	0.77	49642	0.82	26163572900	0.79
26005032200	0.77	26085961100	0.82	48126	0.83
Arenac	0.77	Lenawee	0.93	26163573400	0.83
48658	0.77	49221	0.95	48127	0.77
26011970200	0.77	26091061301	0.99	26163571800	0.79
48659	0.77	26091061302	0.98	26163571900	0.76
26011970500	0.77	26091061400	0.87	48141	0.94
Baraga	0.77	26091061600	0.96	26163570400	0.98
49946	0.77	49248	0.87	26163570500	0.90
26013000200	0.77	26091061700	0.87	26163570600	0.93
Bay	0.82	Mackinac	0.83	26163570800	0.99
48706	0.80	49775	0.83	26163570900	0.89
26017280700	0.76	26097950500	0.83	26163571000	0.92
26017285800	0.84	Macomb	0.85	48146	0.77
48708	0.84	48015	0.84	26163577300	0.77
26017280900	0.76	26099268100	0.84	48174	0.81
26017286500	0.93	48021	0.79	26163585500	0.87
48732	0.82	26099258300	0.78	26163585700	0.76
26017285202	0.82	26099258400	0.80	48180	0.87
Berrien	0.88	48035	0.78	26163583200	0.76

49022	0.94	26099241500	0.79	26163584200	0.92
26021000300	0.93	26099242100	0.78	26163584600	0.92
26021000400	1.00	48036	0.85	48184	0.83
26021000500	0.91	26099240800	0.76	26163566500	0.85
26021000600	0.95	26099245000	0.94	26163566900	0.85
26021002000	0.82	48043	0.98	26163585600	0.80
26021002100	0.98	26099240000	1.00	48186	0.96
26021002200	1.00	26099247100	0.95	26163568500	0.96
26021002300	0.92	48045	0.76	48201	0.92
49038	0.77	26099241000	0.76	26163517500	0.91
26021002500	0.77	48051	0.78	26163521800	0.89
49098	0.82	26099222101	0.78	26163522500	0.95
26021010300	0.82	48066	0.86	48202	0.93
49107	0.76	26099255200	0.83	26163511200	0.94
26021020200	0.76	26099255700	0.83	26163511900	0.91
49111	0.77	26099256100	0.80	26163532400	0.95
26021010500	0.77	26099256600	0.97	48203	0.92
49120	0.86	48089	0.85	26163507800	0.98
26021020500	0.85	26099262600	0.77	26163507900	0.77
26021020700	0.96	26099264000	0.96	26163508000	0.96
26021020900	0.78	26099264200	0.81	26163508100	0.94
Branch	0.89	26099268400	0.85	26163511400	1.00
49030	0.79	48091	0.91	26163553000	0.89
26023951200	0.79	26099262400	0.99	26163553100	0.91
49036	0.94	26099262500	0.78	26163553200	0.80
26023951400	0.91	26099263200	0.95	26163553300	0.92
26023951600	0.97	26099263500	0.90	26163553400	0.99
Calhoun	0.90	26099263600	0.95	26163553800	0.90
49014	0.91	26099263800	0.89	48204	0.93
26025000600	0.94	48314	0.76	26163526500	0.98
26025002100	0.88	26099228100	0.76	26163527200	0.99
49015	0.91	Mason	0.76	26163530800	0.94
26025001300	0.97	49405	0.76	26163533500	0.94
26025001400	0.85	26105950600	0.76	26163533600	0.88
49016	0.96	Mecosta	0.85	26163534600	0.88
26025004100	0.96	49307	0.85	26163534700	0.89
49017	0.93	26107960500	0.85	48205	0.86
26025001100	0.93	Missaukee	0.83	26163500300	0.84
49037	0.91	49667	0.83	26163500400	0.88
26025000300	0.99	26113960100	0.83	26163503100	0.88
26025001000	0.96	Monroe	0.97	26163503400	0.88
26025002600	0.80	48161	0.97	26163503500	0.86
49068	0.76	26115831800	0.97	26163503600	0.90

26025004000	0.76	Montcalm	0.79	26163505200	0.79
49224	0.89	48809	0.81	48206	0.91
26025003300	0.97	26117971300	0.81	26163530900	0.99
26025003500	0.77	48812	0.76	26163531100	1.00
26025003600	0.93	26117970200	0.76	26163531400	0.85
Cass	0.89	48886	0.79	26163532200	0.90
49045	0.86	26117970400	0.79	26163533100	0.91
26027002000	0.86	Muskegon	0.91	26163533200	0.84
49047	0.93	49442	0.94	48207	0.89
26027002100	0.93	26121000100	0.86	26163516200	0.99
Cheboygan	0.89	26121000300	0.99	26163516300	0.90
49721	0.89	26121000500	0.98	26163516600	0.94
26031960300	0.89	49443	0.93	26163516700	0.83
Chippewa	0.80	26121004200	0.93	26163516800	0.85
49783	0.80	49444	0.90	26163518600	0.76
26033970200	0.84	26121000601	0.89	26163518800	0.87
26033970300	0.76	26121001200	0.86	26163518900	0.97
Clare	0.84	26121001300	0.91	48208	0.93
48617	0.75	26121002601	0.84	26163522000	0.98
26035000600	0.75	26121004300	1.00	26163522100	0.77
48625	0.86	49445	0.87	26163522200	0.97
26035000900	0.82	26121000401	0.96	26163522300	0.97
26035001000	0.88	26121001902	0.78	26163527300	0.98
26035001300	0.90	Newaygo	0.83	26163532600	0.86
Clinton	0.91	49337	0.89	26163533000	1.00
48906	0.91	26123970700	0.89	26163533300	0.90
26037010203	0.91	49412	0.80	48209	0.94
Crawford	0.82	26123970300	0.80	26163523400	0.93
49738	0.82	49413	0.75	26163524900	0.96
26039960300	0.82	26123970500	0.75	48210	0.89
Delta	0.86	49457	0.88	26163525400	0.97
49829	0.79	26123971200	0.88	26163526400	0.82
26041971000	0.79	Oakland	0.91	48211	0.94
49894	0.93	48033	0.90	26163518500	0.94
26041970800	0.93	26125160300	0.96	48212	0.91
Dickinson	0.79	26125161800	0.84	26163506500	0.83
49802	0.79	48076	0.85	26163507000	0.95
26043950600	0.79	26125160500	0.80	26163552100	0.96
Eaton	0.84	26125161400	0.90	48213	0.87
48813	0.84	48220	0.95	26163503900	0.86
26045020901	0.84	26125172500	0.95	26163504100	0.89
Genesee	0.87	48237	0.84	26163504200	0.87

48420	0.87	26125171600	0.87	26163504300	0.87
26049010110	0.85	26125172400	0.82	26163504400	0.79
26049012201	0.90	48326	0.94	26163504700	0.89
48433	0.78	26125141100	0.94	26163505400	0.84
26049010502	0.78	48328	0.86	26163505500	0.92
48457	0.82	26125144701	0.86	26163512100	0.94
26049012602	0.82	48334	0.86	26163515900	0.86
48458	0.86	26125166600	0.86	48214	0.90
26049010305	0.93	48336	0.76	26163513600	1.00
26049012310	0.84	26125167300	0.76	26163513900	0.92
26049012311	0.82	48340	0.94	26163514100	0.99
48501	0.85	26125141000	0.91	26163514200	0.93
26049002800	0.85	26125141200	0.99	26163514300	1.00
48503	0.91	26125141300	0.89	26163514500	0.77
26049001100	0.88	26125141500	0.98	26163515200	0.80
26049001400	0.92	48341	0.97	26163515300	0.93
26049002900	0.85	26125142000	0.99	26163515600	0.90
26049003200	0.94	26125142100	0.99	26163516000	0.81
26049013600	0.96	26125142300	0.96	48215	0.92
48504	0.85	26125142700	0.94	26163512300	0.99
26049000100	0.80	48342	0.93	26163512400	0.80
26049000300	0.83	26125141600	1.00	26163512600	0.93
26049000500	0.78	26125141700	0.96	26163512900	0.99
26049001200	0.92	26125142200	0.93	26163513200	0.90
26049010501	0.79	26125142400	0.84	48216	0.98
26049010812	1.00	Orcana	0.89	26163525000	0.98
48505	0.88	49420	0.96	48217	0.88
26049000200	0.92	26127010400	0.96	26163524700	0.88
26049000400	0.90	49452	0.81	26163524800	0.82
26049000600	0.79	26127010600	0.81	26163579300	0.94
26049000800	0.83	Ogemaw	0.81	48218	0.98
26049001000	0.87	48661	0.83	26163579500	0.98
26049001700	0.94	26129950500	0.83	48219	0.89
26049001800	0.81	48739	0.75	26163540600	0.79
26049002000	0.84	26129950100	0.75	26163540700	0.90
26049010304	0.98	48770	0.84	26163540900	0.80
48506	0.89	26129950900	0.84	26163541000	0.95
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26049002200	0.81	49338	0.83	26163541400	0.98
26049002300	0.92	26133970600	0.83	26163541500	0.95
26049002400	0.91	49631	0.75	26163541700	0.86
26049002600	0.85	26133970500	0.75	26163544200	0.97
26049003100	0.95	49639	0.89	48221	0.82

48507	0.87	26133970400	0.89	26163530100	0.78
26049003500	0.93	49665	0.77	26163538500	0.78
26049003800	0.93	26133970100	0.77	26163539000	0.86
26049010813	0.81	Oscoda	0.86	26163539100	0.85
26049010912	0.75	48621	0.82	48222	0.96
26049013500	0.92	26135970300	0.82	26163521100	0.96
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Gladwin	0.89	49734	0.90	26163543500	0.87
48612	0.89	26137950300	0.90	26163543800	0.87
26051000700	0.89	Presque Isle	0.83	26163543900	0.89
Grand Traverse	0.80	49765	0.83	26163554500	0.85
49685	0.80	26141950400	0.83	48224	0.87
26055551300	0.80	Roscommon	0.87	26163500900	0.86
Gratiot	0.87	48630	0.86	26163501100	0.82
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26057000500	0.83	48651	0.88	26163501300	0.89
48880	0.91	26143970300	0.88	26163501500	0.87
26057000300	0.91	Saginaw	0.91	48225	0.84
Hillsdale	0.78	48601	0.94	26163500700	0.84
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26059050700	0.78	26145000800	0.90	26163535300	0.92
49250	0.77	26145000900	0.98	26163536600	0.79
26059050300	0.77	26145001000	0.98	26163536700	0.93
Houghton	0.75	26145011000	0.99	26163536900	0.90
49930	0.75	26145011500	0.96	26163537100	0.85
26061000600	0.75	48602	0.89	26163537300	0.97
Huron	0.81	26145001300	0.93	26163537600	0.97
48413	0.81	26145001500	0.81	26163537700	0.90
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Ingham	0.84	26145001800	0.95	26163542100	0.79
48910	0.96	26145001900	0.78	26163542200	0.85
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26065006500	0.76	26145000400	0.88	26163535700	0.87
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48917	0.88	26145011600	0.88	26163546500	0.96
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48933	0.91	26145010800	0.79	26163546900	0.80
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lonia	0.76	48401	0.78	26163577000	0.92
48846	0.76	26151970900	0.78	26163579600	0.87
26067031600	0.76	48741	0.82	26163579700	0.86
Jackson	0.89	26151971000	0.82	26163579800	0.98
49201	0.90	Schoolcraft	0.83	48234	0.85
26075000200	0.97	49854	0.83	26163506300	0.91
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26075006900	0.89	48867	0.76	26163506900	0.78
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Kalamazoo	0.89	26147624000	0.98	26163539400	0.80
49001	0.94	26147625000	0.79	26163539500	0.88
26077001803	0.94	48061	0.98	26163539600	0.82
49003	0.93	26147636000	0.98	26163539700	0.84
26077001000	0.93	St. Joseph	0.87	26163540100	0.81
49004	0.82	49042	0.85	26163540200	0.87
26077000500	0.82	26149040300	0.92	26163540300	0.86
49007	0.88	26149041101	0.79	26163540400	0.87
26077000202	0.77	49091	0.91	26163540800	0.81
26077000300	0.97	26149040600	0.96	48236	0.89
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26077001801	0.83	26149040400	0.82	48238	0.89
49048	0.92	Tuscola	0.90	26163530300	0.97
26077005501	0.92	48723	0.87	26163530400	0.87
Kalkaska	0.76	26157000600	0.87	26163530500	0.81
49676	0.76	48768	0.92	26163531600	0.89
26079950200	0.76	26157000900	0.92	26163531700	0.87
49680	0.76	Van Buren	0.87	26163531800	0.92
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Kent	0.90	26159012000	0.95	26163534200	0.91
49503	0.91	49063	0.83	26163536100	0.97
26081001101	0.81	26159010200	0.83	26163536300	0.86

26081003200	0.91	49098	0.81	26163536500	0.83
26081003600	1.00	26159011300	0.81	48240	0.77
49505	0.91	Washtenaw	0.83	26163554400	0.77
26081001102	0.91	48198	0.83	Wexford	0.79
49507	0.97	26161410700	0.78	49601	0.76
26081002800	0.99	26161410800	0.83	26165380800	0.76
26081003100	0.95	26161411900	0.86	49649	0.82
49512	0.87	26161412100	0.85	26165380100	0.82
26081004500	0.87				
49519	0.80				
26081013801	0.80				
49534	0.82				
26081002700	0.82				

Becky Bennett

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Sent: Monday, March 15, 2021 11:10 AM
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Subject: COVID-19 SOP & tip sheets
Attachments: nCoV_SOP_TEAM_3_12_2021.pdf; Immunization Records in MDSS Tipsheet 2_19_21.docx; COVID19MDSSTipSheet_3_12_2021.pdf

Hi all,

The MDHHS COVID-19 SOP was updated on 3/12/2021 and posted to www.michigan.gov/cdinfo (and attached here).

SOP Changes include:

- Added information about new emerging SARS-COV-2 and WGS
- Added information about testing in higher education settings
- Added information about vaccine break-through/failure cases
- Added guidance for fully vaccinated individuals
- Added COVID-19 variant considerations for close contacts
- Updated travel sections based on CDC's newest guidance
- Added information for high-risk referral process for those using MDHHS State Case Investigators
- Updated links to new epidemic orders

I've attached two additional documents:

- Tip sheet on how you can query MCIR for a COVID case's immunization record from within MDSS
- COVID-19 Case Report Form tip sheet (updated 3/12/2021)

Please let me know of any questions/concerns.

Thanks,
Meghan

Meghan Weinberg, PhD, MPH
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Interim March 2021

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Background

On December 31, 2019, an outbreak of pneumonia in Wuhan City, Hubei Province, China was reported to the World Health Organization (WHO). This outbreak is now known to be caused by the 2019 novel coronavirus. On February 11, 2020, the WHO announced the official name for the disease as COVID-19. On March 11, the COVID-19 outbreak was characterized as a pandemic by the WHO. As of March 1, 2021, over 114 million cases have been reported worldwide, including 2.5 million deaths.¹ In the US, over 28 million confirmed cases, including over 500,000 deaths, have been reported.² In Michigan, over 589,000 confirmed cases, including over 15,500 deaths, have been reported as of March 1, 2021.³

Patients with COVID-19 may experience fever, cough, dyspnea, chest tightness, pneumonia, chills, new loss of taste or smell, headache, sore throat, muscle pain, and gastrointestinal distress. Healthcare providers should consider COVID-19 for patients being evaluated with fever and acute respiratory illness. The most current information from the Michigan Department of Health and Human Services (MDHHS) may be found at www.michigan.gov/coronavirus

The MDHHS is working closely with Local Health Departments (LHDs) and the Centers for Disease Control and Prevention (CDC) during this outbreak. The MDHHS Community Health Emergency Coordination Center (CHECC), which was fully activated on February 4, 2020 is also assisting the coordination of response efforts. This includes hosting weekly healthcare and LHD conference calls and distributing Health Alert Network messages. Bureau of Infectious Disease Prevention (BIDP) staff were deployed to the EPI DESK to assist with communications and guidance and to liaise with State agencies (e.g., Department of Licensing and Regulatory Affairs). Duties include compiling and analyzing LHD SITREPs and providing data and epidemiologic situational awareness to the Director's SITREP and to CHECC staff to assist in decision-making.

Guidance is subject to change as more is learned about the virus, as the pandemic progresses, and as CDC recommendations are updated. For the most current information and MDHHS Epidemic Orders, go to www.michigan.gov/coronavirus.com

The CDC provides guidance for public health recommendations for potential risk of COVID-19 exposure, addressing travel-associated exposures, community-related exposures, and healthcare-associated exposures for healthcare professionals. COVID-19 Travel Recommendations by Destination has been posted at <https://www.cdc.gov/coronavirus/2019-ncov/travelers/map-and-travel-notice.html>. For the most current information, visit: www.michigan.gov/coronavirus and www.cdc.gov/coronavirus/2019-ncov/index.html. This guidance is subject to change as more is learned about the virus, the outbreak progression, and as CDC recommendations are updated.

¹ Worldwide case counts available at the 2019-nCoV Global Cases by Johns Hopkins CSSE: <https://gisanddata.maps.arcgis.com/apps/opsdashboard/index.html#/bda7594740fd40299423467b48e9ecf6>

² US case counts available at: <https://www.cdc.gov/coronavirus/2019-ncov/cases-updates/cases-in-us.html>

³ Michigan case counts available at: <https://www.michigan.gov/coronavirus>

Standardized Surveillance Case Definition for COVID-19

On August 5, 2020, the Council of State and Territorial Epidemiologist (CSTE) Executive Board approved the second interim position statement for COVID-19: "Update to the standardized surveillance case definition and national notification for 2019 novel coronavirus disease (COVID-19)." This interim position statement updates the standardized case definition for COVID-19 and retains COVID-19 as a nationally notifiable condition. This position statement supersedes the April 2020 CSTE COVID-19 interim position statement. The full position statement can be found at the link below.

https://cdn.ymaws.com/www.cste.org/resource/resmgr/ps/positionstatement2020/Interim-20-ID-02_COVID-19.pdf

Case Classification

Clinical Criteria

In the absence of a more likely diagnosis:

- At least two of the following symptoms: fever (measured or subjective), chills, rigors, myalgia, headache, sore throat, nausea or vomiting, diarrhea, fatigue, congestion or runny nose **OR**
- Any one of the following symptoms: cough, shortness of breath, difficulty breathing, new olfactory disorder, new taste disorder **OR**
- Severe respiratory illness with at least one of the following: clinical or radiographic evidence of pneumonia, or acute respiratory distress syndrome (ARDS)

Laboratory Criteria

Confirmatory laboratory evidence:

- Detection of SARS-CoV-2 RNA in a clinical or autopsy specimen using a molecular amplification detection test

Presumptive laboratory evidence:

- Detection of SARS-CoV-2 by antigen test in a respiratory specimen

Supportive laboratory evidence:

- Detection of specific antibody in serum, plasma, or whole blood
- Detection of specific antigen by immunocytochemistry in an autopsy specimen

Epidemiologic Linkage

One or more of the following exposures in the prior 14 days:

- Close contact* with a confirmed or probable case of COVID-19 disease
- Member of a risk cohort as defined by public health authorities during an outbreak.
**Close contact is generally defined as being within 6 feet for at least 15 minutes. However, it depends on the exposure level and setting; for example, in the setting of an aerosol-generating procedure in healthcare settings without proper PPE, this may be defined as any duration. Data are insufficient to precisely define the duration of exposure that constitutes prolonged exposure and thus a close contact. Exposure does not have to be consecutive minutes.*

Vital Records Criteria

A person whose death certificate lists COVID-19 disease or SARS-CoV-2 as an underlying cause of death or a significant condition contributing to death.

Criteria to Distinguish a New Case from an Existing Case

A repeat positive test for SARS-CoV-2 RNA using a molecular amplification detection test within 3 months of the initial report should not be enumerated as a new case for surveillance purposes

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Case Classifications

Confirmed

- Meets confirmatory laboratory evidence.

Probable:

- Meets clinical criteria AND epidemiologic evidence with no confirmatory laboratory testing performed for COVID-19.
- Meets presumptive laboratory evidence.
- Meets vital records criteria with no confirmatory laboratory evidence for SARS-CoV-2.

Suspect:

- Meets supportive laboratory evidence*** with no prior history of being a confirmed or probable case.
***For suspect cases (positive serology only), jurisdictions may opt to place them in a registry for other epidemiological analyses or investigate to determine probable or confirmed status.

Patients with Persistent or Recurrent Positive Tests

Current guidance indicates that for persons who remain asymptomatic following recovery from COVID-19, retesting is not necessary during the first 3 months after symptom onset. If there is a positive test in an asymptomatic person within 3 months of the initial symptom date, do not enumerate for surveillance purposes.

For persons who develop new symptoms consistent with COVID-19 during the first 3 months since the date of symptom onset of the most recent illness episode, retesting may be warranted if alternative etiologies for the illness cannot be identified. If reinfection is suspected, repeat isolation and contact tracing may be needed. The determination of whether a patient with a subsequently positive test is contagious to others should be made on a case-by-case basis, in consultation with infectious diseases specialists and public health authorities, after review of available information (e.g., medical history, time from initial positive test, RT-PCR Ct values, and presence of COVID-19 signs or symptoms). Any information on a potential re-infection, including case investigation and contact tracing events, should be added to the previously reported case in MDSS if it is within 3 months of the first case.

If there is a positive molecular test in an asymptomatic person more than 3 months after a person's symptom onset (or specimen collection date of first positive test), clinicians and public health authorities should consider the possibility of reinfection. Until more is known, the determination of whether a patient with a positive test in these situations is contagious to others should be made on a case-by-case basis.

Persons who develop new symptoms consistent with COVID-19 more than 3 months after the date of symptom onset of the most recent illness episode should be retested. Persons with recurrent symptoms after the first 3 months who test positive should be considered infectious and remain isolated until they again meet criteria for discontinuation of isolation or of transmission-based precautions. Contact tracing during the person's second period of symptoms is warranted.

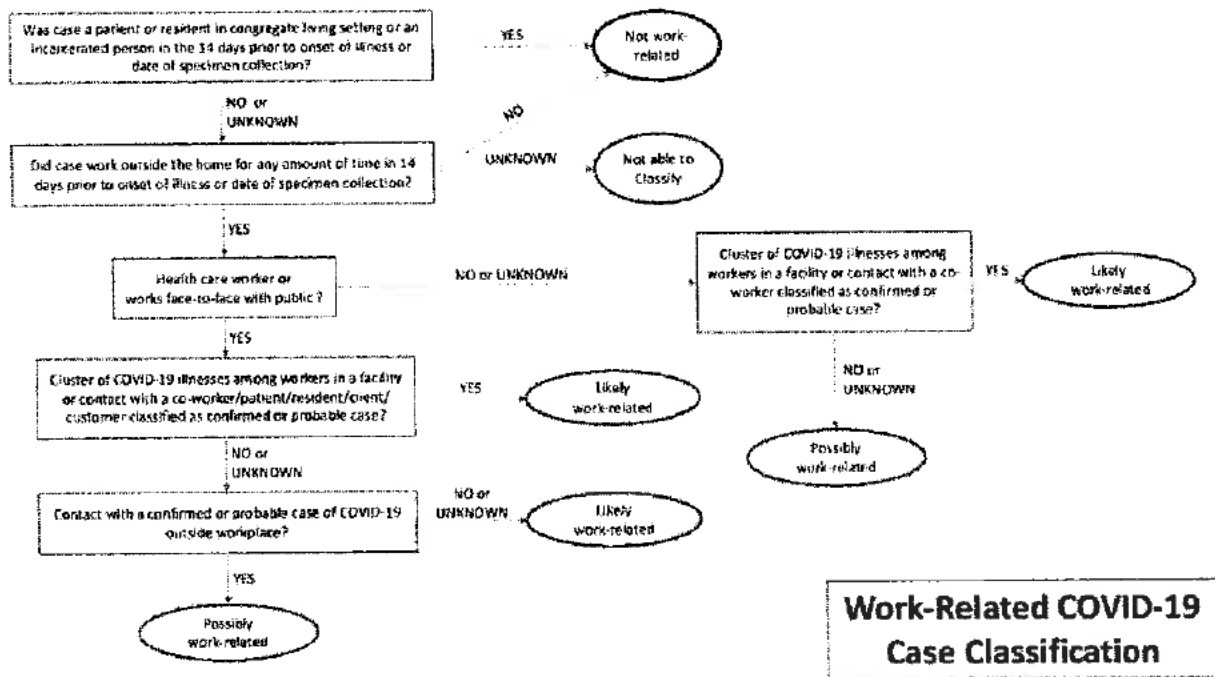
A new, confirmed MDSS case should be created for any person with a positive molecular test after 3 months from symptom onset date (or specimen collection date, if asymptomatic). If, in any of the instances listed above, the person is determined to be infectious, isolation, case investigation and contact tracing is warranted. This guidance can be found at <https://www.cdc.gov/coronavirus/2019-ncov/hcp/faq.html#Patients-with-Persistent-or-Recurrent-Positive-Tests>

Additionally, CDC has released the Investigative Criteria for Suspected Cases of SARS-CoV-2 Reinfection (ICR) which can be found at: <https://www.cdc.gov/coronavirus/2019-ncov/php/invest-criteria.html>, as well as the Common Investigation Protocol for Investigating Suspected SARS-CoV-2 Reinfection which can be found at: <https://www.cdc.gov/coronavirus/2019-ncov/php/reinfection.html>.

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Work-Related Case Classification

The CSTE Occupational Health Subcommittee created a workgroup to develop standardized surveillance guidance to improve exposure-associated classifications of confirmed or probable COVID-19 cases. Complete definitions can be found on pages 15-19 of the [Position Statement](#). This flowchart summarizes classifications for Likely work-related, Possibly work-related, and Not work-related:



Inconclusive Test Results

COVID-19 cases with an inconclusive or indeterminate PCR test result are classified as probable cases in MDSS. These results indicate that only one of two gene targets were detected in the specimen. This usually occurs when the viral levels are low and at the limit of detection. Inconclusive or indeterminate results are not the same as 'invalid' results. If a test is invalid, it means the assay failed. For invalid, inconclusive, and indeterminate results, a new specimen should be collected if clinically indicated.

If during the investigation, any of the following scenarios are found, classify as "Not a Case"

- The same sample was retested and found to be negative **OR**
- For symptomatic cases, a new specimen was collected within 10 days of their onset of symptoms and the PCR was negative **OR**
- The person has no clinical symptoms and/or no epidemiological risk for infection

Please note that if a new inconclusive result comes into MDSS for a case that was already classified as "Not a Case, Completed" then it will be re-opened and classified as "Probable" so that the LHD can review.

If, during the investigation, any symptomatic contact is identified, a probable case is to be created in MDSS. If the contact resides in a different jurisdiction, please add the case with any relevant notes.

If testing is negative and concern for COVID-19 remains or the specimen was collected prior to onset, the provider may order a repeat test. Surveillance case definitions are not intended to be used by providers for making clinical diagnoses or determining how to meet a patient's health needs.

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Out-of-State Case Referrals

If an LHD has a confirmed or probable case in MDSS that is currently living in another state and needs to be investigated by that state, please mark Investigation Status as 'New' and Case Status as 'Non-Michigan Case.' Please update the address to reflect the out-of-state address with valid 'to' and 'from' dates, encompassing the onset and/or referral date. This will ensure that the case is referred to the appropriate state for investigation.

MDSS Deduplication and Case Classification for COVID-19 Cases

MDHHS is assisting LHDs with deduplication of COVID-19 cases in the MDSS Pending Work Queue. MDHHS daily reviews cases and their associated laboratory results to ensure correct case classification is recorded. If confirmatory results are merged to a probable case, the Case Status will be updated to Confirmed and the Investigation Status will be changed to Review if the case was already marked as Completed; *if less than 2 weeks have passed since the referral date of the 'Probable' case, then the Investigation Status will be changed to New rather than Review.* A note will also be added to the Notes Tab regarding the new confirmatory result. COVID-19-specific deduplication instructions can be found in Appendix 5.

Emerging SARS-CoV-2 Variants and Whole Genome Sequencing

Multiple SARS-CoV-2 variants are circulating globally, with several new variants emerging in the fall of 2020. The United Kingdom identified a variant called B.1.1.7. This variant spreads more easily and quickly than other variants. It has been detected in many countries and was first detected in the US in December 2020. The B.1.1.7 variant was first detected in Michigan on January 16, 2021. Other variants include the B.1.351 variant, which was first detected in South Africa in October 2020, first detected in the US in January 2021, and first detected in Michigan on March 8, 2021. The P.1 variant was first identified in travelers from Brazil in early January 2021. The P.1 variant was detected in the US in January 2021. Additional information about variants can be found at <https://www.cdc.gov/coronavirus/2019-ncov/transmission/variant>

Public health mitigation measures aimed to minimize the impact of variant strains in our communities include the following recommendations:

When evaluating a confirmed or probable COVID-19 case with **any** possible epidemiologic links to a confirmed variant case, variant infection should be assumed. This requires immediate and decisive action involving case isolation, and identification and quarantine of all possible contacts.

- Collect all travel, exposure, and contact information during case investigations
- Strictly enforce isolation and quarantine protocols

Enhanced monitoring, including twice daily check-ins for contacts to variant cases (confirmed variant or suspected based on epi-link), is recommended. Cases and close contacts should be educated about the increased risk of transmission with the variant strain. Strict enforcement and assurance of full 14-day quarantine period with monitoring, *regardless of the symptom status of any close contacts of possible variant infections.* Quarantine for healthcare workers who were exposed to a variant case without appropriate PPE should also be enforced.

Employ active efforts to identify all possible contacts of cases with consideration to expanding the infectious period based on symptoms and testing. The inclusion of an extra day before onset may help identify additional persons infected with the variant virus.

- Emphasize testing in affected areas
- Expand testing capacity in areas where the variant has been detected
- Work closely with affected communities on messaging around testing
- Actively work to obtain testing for exposed individuals, particularly those that are known to have been exposed to the variant strain.

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- Promote testing of individuals who have traveled out of Michigan in last 14 days, especially to areas in which the new variants are widely circulating. This should be emphasized in all regions, even those in which the variant has not yet been identified.
- Promote submission of isolates for genetic sequencing. SARS-CoV-2 residual samples, at least 500 ul, to be frozen and sent to the state laboratory in the specimen tube on a weekly basis.
- Acceptable specimens for the Novel 2019 Coronavirus (SARS-CoV-2) sequencing analysis are
 - Nasopharyngeal swabs in viral transport medium, Amies Transport Media, or PBS;
 - Nasal swabs in viral transport medium, Amies Transport Media, or PBS;
 - OP swabs in viral transport medium, Amies Transport Media, or PBS;
 - Nasal aspirates;
 - Mid-turbinate swabs in viral transport medium, Amies Transport Media, or PBS;
 - Sputum.

Because of the limited success for obtaining COVID sequences from antigen swabs put into additional media, if an antigen positive case needs sequencing, submit a new NP/OP/nasal specimen in VTM/saline/PBS/Amies Transport Media.

Reporting a Variant Case in MDSS

A new variant field was added to the Epidemiologic Information Section of the MDSS Novel Coronavirus Case Report Form. This field should be used to capture the strain type of confirmed or suspected variant cases.

When a variant case is confirmed, select the appropriate variant strain type from the drop-down menu.

'Suspected' should be used to denote variant cases among ill contacts of confirmed variant cases (epi-links). If suspect variants are later confirmed, the field should be updated to the appropriate confirmed variant strain.

The image shows a screenshot of a web form titled "Epidemiologic Information". Below the title, there is a label "COVID-19 strain/variant:" followed by a dropdown menu. The dropdown menu is currently open, showing a list of options, though the text is too small to read. The form is part of a larger system, as indicated by the "MDSS" logo in the top left corner.

Contact Tracing and Case Investigation Realignment

Confirmed and probable COVID-19 cases should be investigated. When resources are limited and in environments of significant community spread of COVID-19, priorities for case investigation and contact tracing are described in the MDHHS Guidance for Realignment of COVID-19 Case Investigation and Contact Tracing. This guidance was issued on November 8 and updated on December 15. The current guidance can be found at: https://www.michigan.gov/documents/mdhhs/Contact_Tracing_and_Case_Investigation_Realignment_121520_update_710647_7.pdf

CDC has additional recommendations on case investigation and contact tracing prioritization on their "Health Departments: Interim Guidance on Developing a COVID-19 Case Investigation & Contact Tracing Plan" <https://www.cdc.gov/coronavirus/2019-ncov/php/contact-tracing/contact-tracing-plan/overview.html>.

MDHHS has been evaluating possible solutions to support case investigation during periods of increased referrals. In response, MDHHS has contracted with the company, Patient Education Genius (PEG), to offer Michigan LHDs an opportunity to leverage technology in support of timely case investigations. PEG's Case Report Solutions is designed to reduce workload burdens, turnaround time for case completion, and human errors that affect data accuracy by facilitating data collection from individuals referred as cases of COVID-19 infection directly into a web-based tool. This tool will interface with the MDSS, receive case referrals to be sent for follow-up, and will electronically transmit data entered by the patient and case investigators back into the MDSS.

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For jurisdictions that are utilizing MDHHS State Case Investigators for interviewing cases, the LHDs are responsible for reviewing these cases to determine if additional public health measures must be taken, including out-of-county referrals. If no additional measures are necessary, the case can be marked as Completed. Currently, if a State Case Investigator identifies a case as High-Risk, a designated field is marked on the Case Report Form. Daily (including weekends), Regional Epidemiologists pull a list of all cases from the previous day that have the High-Risk referral checked. These investigation IDs are added to the MIHAN library and a HAN is sent to alert LHDs that they have at least one High-Risk case within their jurisdiction. This is to assist LHDs to quickly identify High-Risk cases, but this process will not capture all cases that might need further attention by local public health. Of note, these High-Risk referrals are going to the jurisdiction assigned to the case. If the High-Risk notification involves additional jurisdictions (e.g., case lives in county A and works in a High-Risk facility in county B), it is the responsibility of the LHD where the case resides (county A) to notify county B of the High-Risk referral.

Multisystem Inflammatory Syndrome in Children (MIS-C) Associated with COVID-19

Multisystem Inflammatory Syndrome in Children (MIS-C) is a condition in children and adolescents under 21 years of age where multiple organ systems become inflamed or dysfunctional which occurs in association with illness. As of February 8, 2021, CDC has received reports of 2,060 confirmed cases of MIS-C and 30 deaths; additional cases are under investigation. Michigan has recorded 73 confirmed cases and less than 6 deaths. Please see the MDHHS site https://www.michigan.gov/coronavirus/0,9753,7-406-98163_98173_104661---,00.html for additional MIS-C resources and data.

Healthcare providers and LHDs are asked to maintain a high degree of suspicion for MIS-C in pediatric and adolescent patients presenting with symptoms similar to Kawasaki Disease or ill individuals who have been previously exposed to a suspect or confirmed case of COVID-19. Pediatric patients have presented with persistent fever, abdominal pain, vomiting, diarrhea, neck pain, rash, bloodshot eyes, and fatigue. Respiratory symptoms have been present in some but are not a common finding. The cause of MIS-C is not known. However, many children with MIS-C were infected with the virus that causes COVID-19 or had been around someone with COVID-19.

Healthcare providers who have cared or are caring for patients younger than 21 years of age meeting MIS-C criteria should report suspect cases to their LHD. Individuals who are being evaluated for MIS-C should be reported as both Multisystem Inflammatory Syndrome and COVID-19 in MDSS with case investigations completed for each condition. Each case's status (e.g., confirmed, probable) should be based on each condition's case definition.

Case Definition for MIS-C

- An individual aged <21 years presenting with fever*, laboratory evidence of inflammation**, and evidence of clinically severe illness requiring hospitalization with multisystem (>2) organ involvement (cardiac, renal, respiratory, hematologic, gastrointestinal, dermatologic, or neurological); **AND**
- No alternative plausible diagnoses; **AND**
- Positive for current or recent SARS-CoV-2 infection by RT-PCR, serology, or antigen test; or exposure to a suspected or confirmed COVID-19 case within the 4 weeks prior to the onset of symptoms.

*Fever $\geq 38.0^{\circ}\text{C}$ (100.4°F) for ≥ 24 hours, or report of subjective fever lasting ≥ 24 hours

**Including, but not limited to, one or more of the following: an elevated C-reactive protein (CRP), erythrocyte sedimentation rate (ESR), fibrinogen, procalcitonin, d-dimer, ferritin, lactic acid dehydrogenase (LDH), or interleukin 6 (IL-6), elevated neutrophils, reduced lymphocytes, low albumin

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Additional Comments

- Some individuals may fulfill full or partial criteria for Kawasaki disease but should be reported if they meet the case definition for MIS-C
- Consider MIS-C in any pediatric death with evidence of SARS-CoV-2 infection

Test Interpretation

Molecular

Laboratory tests that detect SARS-CoV-2 RNA using molecular amplification detection (e.g., polymerase chain reaction (PCR) and rapid Abbott ID NOW) are diagnostic and provide confirmatory laboratory evidence.

Antigen

Point-of-care (POC) SARS-CoV-2 antigen tests are considered diagnostic and provide presumptive laboratory evidence (probable). Antigen tests are immunoassays that detect the presence of a specific viral antigen, which implies current infection.

- The FDA has granted emergency use authorization (EUA) for antigen tests that can identify SARS-CoV-2.
- CDC has released Interim Guidance for Rapid Antigen Testing for SARS-CoV-2:
<https://www.cdc.gov/coronavirus/2019-ncov/lab/resources/antigen-tests-guidelines.html>
- Rapid turnaround time can augment other testing efforts, especially in settings where RT-PCR testing capacity is limited or testing results are delayed (e.g., >48 hours).
- There are limited data to guide the use of antigen tests as screening tests on asymptomatic persons to detect or exclude COVID-19, or to determine whether a previously confirmed case is infectious.
- Antigen tests have lower sensitivity than molecular tests. Negative antigen test results should be confirmed with a molecular test when the pretest probability is relatively high, especially if the patient is symptomatic or has a known COVID-19 exposure. Confirmatory molecular testing following a positive antigen test may not be necessary when the pretest probability is high, especially if the person is symptomatic or has a known exposure. When the pretest probability is low, those persons who receive a positive antigen test should isolate until they can be confirmed by a molecular test. If a molecular test is used to confirm an antigen test result, it must be collected <48 hours after the initial antigen test.
- For specific guidance on when to repeat testing in the nursing home setting, refer to CDC's guidance at: <https://www.cdc.gov/coronavirus/2019-ncov/downloads/hcp/nursing-home-testing-algorithm-508.pdf>. Additional information for Abbott BinaxNow™ antigen tests, including appropriate use, result interpretation, re-testing strategies, and reporting, can be found at: https://www.michigan.gov/documents/coronavirus/BinaxNOW_FAQ_706167_7.pdf
- Additional information for BD Veritor™ antigen tests can be found at: https://www.michigan.gov/documents/coronavirus/BD_Veritor_FAQ_V4_710213_7.pdf
- Antigen test results that are not already reported via a pre-established mechanism (e.g., ELR transmission) should be reported online at: www.michigan.gov/COVIDBinaxReporting

Serologic

Serologic assays for SARS-CoV-2 can play an important role in understanding the epidemiology of the general population. Serologic tests are not diagnostic; they provide supportive laboratory evidence (suspect).

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- Serologic assays for SARS-CoV-2 can play an important role in understanding the epidemiology in the general population. CDC has released Interim Guidelines for COVID-19 Antibody Testing: <https://www.cdc.gov/coronavirus/2019-ncov/lab/resources/antibody-tests-guidelines.html>
- This guidance continues to state that serological tests should NOT inform return to work for healthcare workers or discontinuation of quarantine for contacts. The criteria should remain test-based or non-test-based strategies per CDC guidance.
- There is no change in PPE recommendations based on antibody results. Only assays that have been issued an FDA EUA are considered supportive laboratory evidence. Information about the performance for those tests can be found here <https://www.fda.gov/medical-devices/emergency-situations-medical-devices/eua-authorized-serology-test-performance>.

Testing Criteria

CDC considerations for COVID-19 diagnostic (molecular or antigen) testing include:

- People with symptoms of COVID-19
- People who have been in close contact (within 6 feet) of a person with COVID-19 infection for at least 15 minutes, but do not have symptoms
- People in a high COVID-19 transmission area and have attended a public or private gathering of more than 10 people (without widespread mask wearing or physical distancing)
- People who work, live in, or receive care in a nursing home or long-term care facility
- People who are critical infrastructure workers, health care workers, or first responders
- State and local public health officials may advise specific people, or groups of people, to be tested.

There is more information on each of the bullets above in the CDC recommendations for testing considerations at: <https://www.cdc.gov/coronavirus/2019-ncov/hcp/testing-overview.html>

MDHHS had expanded COVID-19 testing prioritization criteria to include individuals with mild symptoms in certain circumstances, effective April 14, 2020. MDHHS expanded testing again on April 20 to include all health care workers and first responders (even if they do not have symptoms), as well as critical infrastructure workers (i.e., any worker still leaving the home for in-person work), whether they have symptoms or not. Most recently, in a memorandum dated May 26, MDHHS substantially expanded COVID-19 testing to include the following groups: asymptomatic patients in preparation for surgical procedures, as deemed necessary by the treating clinician; asymptomatic people with known exposure to a person with COVID-19, or symptoms of COVID-19; asymptomatic people who work in a profession that puts them at high risk of exposure; testing to increase rates per million per day in communities facing inequity in access (e.g., areas with higher proportion of racial/ethnic minorities, rural communities). Testing is also permissible for persons without symptoms who are prioritized by local health departments or clinicians, for any reason. An [Emergency Order was issued January 13, 2021](#) which states reporting and testing requirements for hospitals, laboratories and health professionals and rescinds the March 23 order.

MDHHS COVID-19 Test Prioritization Criteria:

High Priority:

- Hospitalized patients with symptoms
- Any healthcare workers, first responder, or congregate care facility worker with symptoms
- Residents in any congregate care facility, including prisons and shelters, with symptoms

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Priority:

- Persons with symptoms of potential COVID-19 infection, including cough, shortness of breath, fever, muscle pain, new loss of taste or smell, vomiting or diarrhea, and/or sore throat
- Asymptomatic patients in preparation for surgical procedures, as deemed necessary by the treating clinician
- Asymptomatic people with known exposure to a person with confirmed COVID-19 or symptoms of COVID-19
- Asymptomatic people living or working in a congregate care facility or other high-risk setting (i.e., nursing home, jail, prison, homeless shelter, assisted living facility, etc.) that:
 - Had a confirmed case among residents or workers
 - Is located in a region of medium risk or higher, or
 - Is receiving patients from an area of medium risk or higher
- Asymptomatic people who work in a profession that puts them at high risk of exposure, including:
 - Repeated close contact of prolonged duration with the public
 - Working in a high-risk profession where clusters of infections have been identified (i.e., migrant workers, food processing facilities, etc.)
 - Working in person during a period of strict social distancing (i.e., Stay Home, Stay Safe) or, in areas with some sectors re-opening, having worked in person during the period of strict social distancing
- Persons identified by clinicians or public health officials who can be tested for public health monitoring research purposes (i.e., serology, sentinel testing)
- People without symptoms who live in communities where there has been inequitable access to testing and a need to increase the rate of people tested per day (i.e., areas with higher proportion of racial/ethnic minorities, rural communities)

Permissible:

- Persons without symptoms who are prioritized by local health departments or clinicians, for any reason
- Asymptomatic people living or working in a congregate care facility or other high-risk setting (i.e., nursing home, jail, prison, homeless shelter, assisted living facility, etc.) in any region
- Asymptomatic people leaving their home for work.

The June 10, 2020 memorandum stated that: MDHHS is also using simplified messaging to promote testing among the public:

- If you feel sick, get tested
- If someone close to you feels sick, get tested
- If you work outside the home, get tested

MDHHS issued additional orders around mandated testing for specific populations including long term care residents and staff, agricultural workers, inmates, and state prison staff.

- June 15, 2020, Emergency Order for testing in long term care facilities
- August 3, 2020, Emergency Order for testing in migrant housing camps and agricultural or seasonal workers
- August 19, 2020, Emergency Order for testing prison staff, updated February 10, 2021
- October 1, 2020, Emergency Order for testing jails and prisons
- October 28, 2020, Emergency Order for testing in skilled nursing facilities, homes for the aged and adult foster care facilities
- December 1, 2020, Emergency Order for testing of State of Michigan Nursing Home Inspection Staff
- January 13, 2021, Emergency Order for reporting, requirements for Hospitals, Laboratories, and Health Professionals (rescinds March 23, 2020 order)

As stated in the January 13, 2021 MDHHS Emergency Order, all CLIA-certified laboratories in Michigan are required to comply with prioritization criteria as promulgated by MDHHS.

Higher Education Testing

Interim Guidance for Higher Education COVID-19 Testing was released on January 19, 2021 and includes information on antigen testing and guidance for contact sports.

- [Coronavirus - MI Safe Schools Testing Program \(michigan.gov\)](#)
- [2021.02.07 Interim Guidance for Contact Sports updated FINAL 715541 7.pdf \(michigan.gov\)](#)

Death Reporting and Investigation

The reportable condition list for the state of Michigan has been expanded to include mandatory reporting of Deaths Associated with COVID-19 within 24 hours of identification consistent with Michigan's communicable disease rules and section MCL 333.5111 of Michigan's Public Health Code. In addition, emergency rule R 325.9031 amended the definition of "infectious agent" to include COVID-19 so that physicians who have actual knowledge of the existence of COVID-19 in the body of a deceased individual must notify funeral directors of this fact *before* the body is released to the funeral director. Reporting should include deaths that are laboratory-confirmed as well as those whose death certificate lists COVID-19 disease or SARS-CoV-2 as a cause of death or a significant condition contributing to death. LHDs should investigate and complete the individual MDSS Case Report Form to the best of their ability through a proxy or medical records. In addition, MDHHS conducts enhanced mortality surveillance to assist in identifying deaths associated with COVID-19.

Confirmed Deaths:

- Confirmed cases of COVID-19 in the MDSS that have been marked as deceased as identified through case investigation
- Decedents with a death certificate that lists a COVID-related term (in Part I or II) that are Confirmed cases in MDSS, but were not yet marked as deceased in MDSS
- Decedents with pending causes of death that are Confirmed cases in MDSS, but were not yet marked as deceased in MDSS
- Decedents with death certificates that do not specifically list a COVID-related term (in Part I or Part II) that are Confirmed cases in MDSS, but were not yet marked as deceased in MDSS IF they died within 30 days of symptom onset (or referral date if symptom onset not available) AND died in a manner of death deemed to be 'natural' on the death certificate

Probable Deaths:

- Death certificates that list a COVID-related term (in Part I or II) where there is no available evidence of a confirmatory test result (positive or negative).

To identify COVID-19 associated deaths in the statewide dataset, three fields are reviewed: Patient Status, Case Disposition, and Patient Died. If any field is marked as 'died' the death is counted. ***Note: special care should be taken with regards to the field, Patient Died, as it has been previously mismarked on the Case Report Form.***

Death records from the Electronic Death Registration System (EDRS) for persons in MDSS are now automatically uploaded to the notes tab. Healthcare providers should provide requested components of the patient's electronic medical record to the LHD to be attached to the "Notes" tab of the MDSS record. Examples of relevant medical records include the admission history and physical (H&P), progress notes, and the discharge or death summary. If a patient was not hospitalized at the time of death, a copy of the emergency department notes, autopsy report, or other case summary may provide more information on the decedent's medical comorbidities. A sample death reporting form is provided in Appendix 2.

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LHDs should also investigate suspect deaths that are residents of a high-risk facility (e.g., long-term care facilities, jails, or prisons) or that may have exposed healthcare workers without appropriate personal protective equipment (PPE). In these situations, testing should be encouraged, if not already pending, and LHDs should conduct contact tracing. Deaths that are clinically compatible for COVID-19 but have no confirmed close contacts or residence in a high-risk facility should be investigated. An Emergency Order for handling of bodily remains, issued May 4, 2020, instructs hospitals and funeral directors to locate a person with authority to control the final disposition of the body of a deceased individual within 24 hours. While in effect, this applies to all deaths in Michigan.

Outbreak Reporting and Investigation

Outbreak Definitions

COVID-19 outbreaks follow the general accepted public health outbreak definition which is defined as two or more cases with a link by place and time indicating a shared exposure outside of a household. Specific definitions of COVID-19 outbreaks are relative to the local context. While it is difficult to define an outbreak case definition that will encompass every scenario, CSTE has developed outbreak definitions and investigation considerations for three outbreak settings. These are available at https://preparedness.cste.org/?page_id=211 and are briefly described below. Please visit the CSTE document for additional information. These definitions are based on current scientific knowledge and are subject to change.

1. Non-Residential, Non-Healthcare Workplace Settings

Outbreak Definition

Two or more¹ laboratory-confirmed² COVID-19 cases among workers at a facility with onset of illness within a 14-day period³, who are epidemiologically linked⁴, do not share a household, and are not listed as a close contact⁵ of each other outside of the workplace during standard case investigation or contact tracing.

Footnotes:

1 Health departments may consider a higher threshold for defining an outbreak if there is a high case rate in the community (community transmission).

2 Detection of SARS-CoV-2 RNA in a clinical specimen using molecular amplification detection test.

3 For onset, use symptom onset date whenever available. If symptom onset date is unknown or if a case is asymptomatic, use specimen collection date for the first specimen that tested positive. The 14-day period refers to 14 days before the date of first symptom onset or first positive test sample.

4 Health departments should verify to the best extent possible that cases were present in the same setting during the same time period (e.g., same shift/department, same physical work area); that the timing fits with likely timing of exposure; and that there is no other more likely source of exposure for identified cases (e.g., household or close contact to a confirmed case outside of workplace setting).

5 Close contact is defined as being within 6 feet for at least a period of 15 minutes or more depending upon the exposure. Data are insufficient to precisely define the duration of exposure that constitutes prolonged exposure and thus a close contact. For updated definition of a close contact please refer to CDC Contact Tracing Plan Appendices website at <https://www.cdc.gov/coronavirus/2019-ncov/php/contact-tracing/contact-tracing-plan/appendix.html#contact>

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Outbreak-Associated Cases

- Individual confirmed and probable cases among workers in a non-residential, non-healthcare workplace setting meeting the outbreak definition should be classified as outbreak-associated and included in outbreak case count. This includes cases resulting from secondary transmission from an outbreak-associated case among workers who live in shared housing facilities (e.g. migrant labor camps, man camps) or use shared transportation services for work commute provided by the employer.
- Any individual confirmed and probable cases resulting from secondary transmission from an outbreak-associated case in a family member or close contact of a worker, who is not employed by the business/ employer should not be classified as outbreak-associated and not included in outbreak case count.

Outbreak Resolution

No new symptomatic/asymptomatic probable or confirmed COVID-19 cases after 28 days (2 incubation periods) have passed since the last case's onset date or specimen collection date (whichever is later).

2. Educational Settings

Educational settings are broadly defined and include but are not limited to youth camps, youth programs, childcare centers, preschools, primary through secondary schools, vocational schools, colleges, and universities.

Outbreak Definition

Two or more¹ laboratory-confirmed² COVID-19 cases among students or staff with onsets³ within a 14-day period, who are epidemiologically linked⁴, do not share a household⁵, and were not identified as close contacts⁶ of each other in another setting during standard case investigation or contact tracing.

Footnotes:

1 Health departments may consider a higher threshold for defining an outbreak if there is a high case rate in the community (community transmission).

2 Detection of SARS-CoV-2 RNA in a clinical specimen using a molecular amplification detection test.

3 Use symptom onset date whenever available. If symptom onset date is unknown or if a case is asymptomatic, use specimen collection date for the first specimen that tested positive.

4 Health departments should verify to the best extent possible that cases were present in the same setting during the same time period (e.g., same classroom, school event, school-based extracurricular activity, school transportation) within 14 days prior to onset date (if symptomatic) or specimen collection date for the first specimen that tested positive (if asymptomatic or onset date is unknown) and that there is no other more likely source of exposure (e.g., household or close contact to a confirmed case outside of educational setting).

5 May not apply to investigations in educational, residential settings (e.g., boarding school, dormitories), where cases within shared dwellings may be included.

6 Close contact is defined as being within 6 feet for at least 15 minutes. Data are insufficient to precisely define the duration of exposure that constitutes prolonged exposure and thus a close contact. For updated definition of a close contact, please refer to CDC Contact Tracing Plan Appendices website at <https://www.cdc.gov/coronavirus/2019-ncov/php/contact-tracing/contact-tracing-plan/appendix.html#contact>

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Outbreak-Associated Cases

Confirmed and probable secondary cases among students or staff in the educational setting should be classified as outbreak-associated. Individual cases outside of the educational setting that resulted from secondary transmission from an outbreak-associated case (e.g., a family member of a student or staff) should not be included in the outbreak case count.

Outbreak Resolution

No new confirmed or probable COVID-19 cases identified after 28 days (two incubation periods) have passed since the last known exposure from a case. If last known exposure cannot be determined, the onset date or specimen collection date (whichever is later) of the last identified case should be used.

Reporting Requirements for Educational Settings

- Upon learning that a probable or confirmed case of COVID is a school associated case¹, the LHD must notify the School to which the case(s) relate, including the affected building that may assist the school of carrying out its duties².
- Within 24 hours of notification of a school associated case by the LHD, the school must provide public notice to the school community³ in a highly visible location on the school's website that covers the impacted building or location.
- These notification standards do not replace the need for direct notification to persons who were, or are suspected to have been, close contacts of the case. This notice is the responsibility of the LHD.

Footnotes

1 A School Associated Case is a case of probable or confirmed COVID-19 amongst students, teachers, staff members, coaches, volunteers, or any other person who was present on school property or at a school function under circumstances that may result in transmission or contraction of COVID-19 during their infectious period.

2 Duties to be carried out are stated in Emergency Order Under MCL 333.2253, Reporting of Confirmed and Probable Cases of COVID-19 at Schools.

3 Public notice is defined as providing the new and cumulative counts of school associated cases of COVID-19, including the date on which the school was notified of the new cases. School community refers to the set of persons who are affiliated to the school, including but not limited to parents, guardians, students, teachers, staff members, coaches, and volunteers.

3. Healthcare Settings – Updated Nov 2020

Inpatient Setting Thresholds FOR ACUTE CARE HOSPITALS AND CRITICAL ACCESS HOSPITALS

Threshold for Additional Investigation by Facility

- ≥ 1 case of confirmed COVID-19 in a patient 7 or more days after admission for a non-COVID condition;
- ≥ 1 case of confirmed COVID-19 in Healthcare Personnel (HCP)¹

Threshold for Reporting to Public Health

- ≥ 2 cases of confirmed COVID-19 in a patient 7 or more days after admission for a non-COVID condition, with epi-linkage²;
- ≥ 3 cases of confirmed COVID-19 in HCP¹ with epi-linkage³

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Outbreak Definition

- ≥ 2 cases of confirmed COVID-19 in a patient 7 or more days after admission for a non-COVID condition, with epi-linkage²;
- ≥ 3 cases of confirmed COVID-19 in HCP¹ with epi-linkage³ AND no other more likely sources of exposure for at least 2 of the cases.

FOR LONG-TERM CARE FACILITIES (LTCF) AND LONG-TERM ACUTE CARE HOSPITALS (LTACH)

Threshold for Additional Investigation by Facility

- ≥ 1 probable⁴ or confirmed COVID-19 case in a resident or HCP¹;
- ≥ 3 cases of acute illness compatible with COVID-19 in residents with onset within a 72h period

Threshold for Reporting to Public Health

- > 1 probable⁴ or confirmed COVID-19 case in a resident or HCP¹;
- ≥ 3 cases of acute illness compatible with COVID-19 in residents with onset within a 72h period

Outbreak Definition

- ≥ 1 facility-acquired⁵ COVID-19 case in a resident

Outpatient Setting Thresholds

Dialysis Facilities

- Threshold for Additional Investigation by Facility: ≥ 1 confirmed COVID-19 case in a patient or HCP¹
- Threshold for Reporting to Public Health: ≥ 3 confirmed COVID-19 cases in patients with HCP¹, with epi-linkage^{2,3}
- Outbreak Definition: ≥ 3 confirmed COVID-19 cases in patients with HCP¹, with epi-linkage^{2,3}, AND no other more likely sources of exposure for at least 2 of the cases

Emergency Department, Urgent Care, Primary Care

- Threshold for Additional Investigation by Facility: ≥ 1 confirmed COVID-19 case in a HCP¹
- Threshold for Reporting to Public Health: ≥ 3 confirmed COVID-19 cases in HCP¹, with epi-linkage³
- Outbreak Definition: ≥ 3 confirmed COVID-19 cases in patients or HCP¹, with epi-linkage^{2,3}, AND no other more likely sources of exposure for at least 2 of the cases

Elevated Exposure Risk Ambulatory Specialty Clinics (e.g., dental clinic, ENT, ophthalmology, oncology infusion center, etc.)

- Threshold for Additional Investigation by Facility: ≥ 1 confirmed COVID-19 case in a HCP¹, or when notified of ≥ 1 case in a patient without other significant source of exposure
- Threshold for Reporting to Public Health: ≥ 1 confirmed COVID-19 cases in HCP¹, or ≥ 2 cases in patients with epi-linkage^{2,3}
- Outbreak Definition: ≥ 3 confirmed COVID-19 cases in patients or HCP¹, with epi-linkage^{2,3}, AND no other more likely sources of exposure for at least 2 of the cases

Other Ambulatory Specialty Clinics (e.g., endoscopy, ambulatory surgical center, pain clinics, antibiotic infusion centers, etc.)

- Threshold for Additional Investigation by Facility: ≥ 1 confirmed COVID-19 case in a HCP¹, or when notified of ≥ 1 case in a patient without other significant source of exposure
- Threshold for Reporting to Public Health: ≥ 3 confirmed COVID-19 cases in HCP¹ with epi-linkage³
- Outbreak Definition: ≥ 3 confirmed COVID-19 cases in patients or HCP¹, with epi-linkage^{2,3}, AND no other more likely sources of exposure for at least 2 of the cases

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Footnotes

1 Healthcare Personnel (HCP) defined by CDC include, but are not limited to, emergency medical service personnel, nurses, nursing assistants, physicians, technicians, therapists, phlebotomists, pharmacists, students and trainees, contractual staff not employed by the healthcare facility, and persons not directly involved in patient care, but who could be exposed to infectious agents that can be transmitted in the healthcare setting (e.g., clerical, dietary, environmental services, laundry, security, engineering and facilities management, administrative, billing, and volunteer personnel)

2 Epi-linkage among patients is defined as overlap on the same unit or ward or having the potential to have been cared for by common HCP within a 14-day time period of each other.

3 Epi-linkage among HCP is defined as having the potential to have been within 6 feet for 15 minutes or longer while working in the facility during the 14 days prior to prior to the onset of symptoms; for example, worked on the same unit during the same shift.

4 Probable case is defined as a person meeting clinical criteria AND epidemiologic evidence with no confirmatory laboratory testing performed for COVID-19; A person meeting presumptive laboratory evidence; A person meeting vital records criteria with no confirmatory laboratory testing performed for COVID-19.

5 Facility-acquired COVID-19 infection in a long-term care resident is defined as a confirmed diagnosis 14 days or more after admission for a non-COVID condition, without an exposure during the previous 14 days to another setting where an outbreak was known or suspected to be occurring.

Reporting to Local Public Health

In addition to individual cases of COVID-19, clusters of confirmed or suspected COVID cases must be reported to the LHD. LHD authorities should investigate to determine if the cases meet the definition of an outbreak.

Outbreak Investigations

Local Health Jurisdictions should follow their local policies and procedures regarding outbreak investigations. Additional guidance is available at:

- Centers for Disease Control and Prevention. Managing Investigations During an Outbreak <https://www.cdc.gov/coronavirus/2019-ncov/php/contact-tracing/contact-tracing-plan/outbreaks.html>
- CSTE COVID-19 Outbreak Investigation and Reporting https://preparedness.cste.org/?page_id=211

Local Public Health Reporting to MDHHS

- Report all COVID-19 outbreaks in MDSS as an **Aggregate Case Report** using the Novel Coronavirus COVID-19 condition. Important preliminary information includes name, address, and type of facility, onset date of first ill, number of confirmed cases and total number ill among all residents, total number of residents, number of confirmed cases and total number ill among all employees, total number of employees, and an outbreak name unique to that facility's cluster. Aggregate reports may be updated by LHDs as more information becomes available.
- In addition, all individual cases associated with the outbreak should be entered into MDSS. Please use the same outbreak name from the Aggregate Case Report Form to link cases with the outbreak report.

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Case Reporting	Antenna History	Demographics	Referral	Lab Reports	Notes	Map	Audit	Person History
<p>Robert PERSON, FAKE Locked by WTHUT ROBOT (MICHAEL WORDER)</p>								
Reportable Condition* Novel Coronavirus COVID-19			Case Status* Confirmed		Investigation Status* New			
Patient Status: Alive			Patient Status Date* (mm/dd/yyyy): 07/30/2020		Case Disposition: OutPatient			
First: FAKE		Last: PERSON		Middle:				
Onset Date (mm/dd/yyyy):			MMWR: 31-2820		Patient ID: 16354238302			
Diagnosis Date (mm/dd/yyyy):					Desktop			
Address								
Street: 333 SOUTH GRAND AVE			Geocode Source:					
City:		County: Ingham		State: Michigan		Zip:		
Jurisdiction: Ingham County			<input type="checkbox"/> State Prison Case					
Outbreak Y/N: Yes								
Outbreak Name: COVID_HAPPY_CAMP_JULY_2020								
Referral Date (mm/dd/yyyy): 07/30/2020			Case Entry Date (mm/dd/yyyy): 07/30/2020					
Investigation ID: 16354238304			NETSS ID: 625191		Assigned to: HARTWICK, EDWARD F / Statewide			Re-assign
*Indicates required items								
Reset Submit Changes Cancel Help								

Enter Outbreak ID

- Outbreak names can be added to individual cases in MDSS even if not yet considered as an outbreak as they can help associate cases with specific settings or events. They can be modified later if necessary.
- Please assign outbreak names that are specific (e.g., include condition, location/event, month & year) to prevent overlap with other outbreak names.
- For colleges/universities:
 - Use a school outbreak name for student/staff not linked to sub-cluster (e.g., CollegeName)
 - Add the event/dorm/sorority/fraternity to link a sub-cluster and include the month/year the cluster was identified (e.g., CollegeName_SpruceHall_Aug2020)
- MDHHS is no longer using generic outbreak names (e.g., WUHAN-19, COVID-19). If the case does not have an outbreak name, the outbreak name field can be left blank.
- Within each case's MDSS Case Report Form, please indicate that the case is associated with an outbreak and provide the outbreak name. Select a category that best describes the outbreak.
- Please notify your Regional Epidemiologist of outbreak investigations. They are able to provide technical expertise and investigation coordination support.

Exposure Source (check all that apply)		If checked, outbreak name or MDSS ID#:
<input checked="" type="checkbox"/> Case is associated with a known cluster or outbreak. Select the category that best describes the outbreak.		COVID_HAPPYCAM
OR specify: If checked, contact MDSS investigation ID#: _____ If checked, contact MDSS investigation ID#: _____ If checked, contact MDSS investigation ID#: _____		
LTC/SNF assisted living/adult day care/group home Jail/prison/detention center Shelter/stayings that provide services for people experiencing homelessness Healthcare Primary or secondary school/College or university outside of home Outpatient/volunt programs Agriculture/food processing/migrant camp Shared transportation Restaurant/bar Social gathering Community event/mass gathering Sporting event or practice Gym or exercise class Grocery store or retail Other community exposure		

Check box and also
enter outbreak ID here.

■ Select a category that best describes the outbreak. You can only select one.

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Secondary Cases

- Cases resulting from secondary transmission *within* the outbreak facility/school are considered outbreak cases (for e.g., cases resulting from secondary transmission to other students in school). Those cases should be included under the primary outbreak name.
- If there is secondary transmission to household contacts (or others) *outside* of the outbreak setting, the outbreak name can be modified (e.g., adding "HH," "Contact," or "Second" at the end of the outbreak name) to indicate that the case is a contact to an outbreak-associated case. However, these secondary cases should not be counted as outbreak cases.

For Secondary Cases Outside of the Outbreak Setting:

The screenshot shows a form titled "Secondary Cases Outside of the Outbreak Setting". It includes a dropdown menu for "Exposure Source (check all that apply)" with options: "Case is associated with a known cluster or outbreak", "Case is a health care contact to a known COVID-19 lab-confirmed case-patient", "Case is a community contact to a known COVID-19 lab-confirmed case-patient", "Case is a household contact to a known COVID-19 lab-confirmed case-patient", and "Source of case's COVID-19 infection is unknown (no other exposure sources checked above)". There are checkboxes for "Leave unchecked, reserve for primary cases" and "If checked, outbreak name or MDSS ID(s)". A text box for "Other, specify:" is also present. A red arrow points to the "Case is a household contact to a known COVID-19 lab-confirmed case-patient" option. Another red arrow points to the "If checked, contact MDSS investigation ID(s):" field, which contains the value "1234567890".

Where Outbreaks Are Counted

- Outbreaks are counted in the county where the exposure took place (e.g., worksite, restaurant, childcare, community gathering, college/university location, school).
- Individual outbreak cases are counted in the jurisdiction where the case resides.

Referring Outbreak Associated Cases to Other Jurisdictions

General

Cases may be associated with outbreaks or events that occurred in another jurisdiction. Please complete the initial interview with the case including contact tracing. If the interviewing LHD is aware of the outbreak ID associated with the out of jurisdiction event, please add it to the MDSS record. If the LHD is not aware of an outbreak ID, they can contact their Regional Epidemiologist. Regional Epidemiologists can also assist with notifying jurisdictions about the location of the outbreak or event.

College or University Associated Cases: Home address and School address

The LHD that first receives the case referral shall complete the initial interview with case including contact tracing. If interviewed by the Home LHD, inform case that they may be contacted by the School LHD for follow-up questions. After completion of interview, update case record to reflect school address, set the investigation status to New, and add the outbreak ID (if known). In some instances, the student may leave school and return home for their isolation period. The Home LHD can manage the case in their jurisdiction but should still enter the school's outbreak ID for counting purposes. Decisions about case addresses are at the LHDs discretion.

Cases Associated with Gatherings

With reduced restrictions around gatherings and activities related to businesses, schools, and churches, MDHHS is actively reviewing the potential impacts of the return to participation in gatherings to assess if there is any association with disease transmission. This assessment can contribute to recommendations and guidance for safe practices. LHDs should include an evaluation of participation in community events or large gatherings during case interviews (using the two-week timeframe before symptom onset). Should the respondent indicate

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participation in any of these community events, please record event information (location, event name, date) in the specific questions in the Epidemiologic Section of the Case Report Form, as shown below. If there is more information such as the event host or coordinator contact information, please add this to the Other Information section of the CRF to assist with identifying contacts. If the guest list cannot be provided by the event coordinator, consideration can be given to utilizing a press release to aid with case and contact finding efforts.

Exposure Information - In the 14 days prior to illness onset (or positive test result) until the date of isolation, did the patient visit/attend any of the following? Check all that apply. If patient visited one location on multiple dates, only list the location once.			
Date of 14 days prior to onset (or positive test collection date) (mm/dd/yyyy)		Date of isolation (mm/dd/yyyy)	
<input type="text"/> <input type="text"/>		<input type="text"/> <input type="text"/>	
<input type="checkbox"/> LTC/SNF/assisted living/adult day care/group home <input type="checkbox"/> Jail/prison/detention center <input type="checkbox"/> Shelters/settings that provide services for people experiencing homelessness <input type="checkbox"/> Healthcare (e.g. inpatient, outpatient, dental practices, dialysis, etc.) <input type="checkbox"/> Primary or secondary school/College or university outside of home (e.g. classrooms, dorms, boarding schools, before/after-school programs, etc.) <input type="checkbox"/> Childcare/Youth programs (e.g. daycares, day/overnight camps, extracurricular activities, sports programs, etc.) <input type="checkbox"/> Agricultural/food processing/migrant camp (e.g. farm, meat packing, hatchery, etc.) <input type="checkbox"/> Shared transportation (airplane, train, bus, etc.) <input type="checkbox"/> Restaurant/bar <input type="checkbox"/> Social gathering (e.g. birthday party, graduation party, wedding, funeral, etc.) <input checked="" type="checkbox"/> Community event/mass gathering (e.g. concert, rally, protest, parade, etc.)			
Name (List unique facilities, locations, events, airlines, etc in a different row)	Location, address or best description (City, intersection, etc)	Date(s) attended: One or discrete (List all)	Note range if every day
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Sporting event or practice (as audience or player) <input type="checkbox"/> Gym or exercise class <input type="checkbox"/> Grocery store or retail <input type="checkbox"/> Other Community exposure (e.g. nail/hair salon, spa, public beach/pool, etc.) <input type="checkbox"/> Workplace outside of home other than types listed above (e.g. manufacturing, construction, office-building, etc.) <input type="checkbox"/> Exposure to animal with confirmed or suspected COVID-19 <input type="checkbox"/> Other (may include previously listed categories if more than 3 unique places were visited) <input type="checkbox"/> None of the above			

Recovery

Within the MDSS Case Report Form, there is a field to indicate if the patient has recovered. This may be completed if the patient feels recovered at the time of interview. If the patient has not recovered by the time of the interview, there is no expectation that investigators will need to track the case over time to determine recovery date. This field is optional and is not currently contributing to the cumulative total of recovered COVID-19 cases that is posted to the Michigan COVID-19 website. Rather, this information is gathered by reviewing vital records statistics to identify any laboratory confirmed COVID-19 cases who are 30 days out from their onset of illness. Recovered is defined as the number of persons with a confirmed COVID-19 diagnosis who are alive 30 days post-onset (or referral date if onset is not available). If a person dies from a COVID-related cause >30 days from onset/referral, they are removed from the number of persons recovered.

Case Investigation and Contact Tracing

CDC developed [Interim Guidance on Developing a COVID-19 Case Investigation & Contact Tracing Plan](https://www.cdc.gov/coronavirus/2019-ncov/php/contact-tracing/contact-tracing-plan/overview.html). The guidance includes steps for investigating cases, conducting contact tracing, and investigating outbreaks: <https://www.cdc.gov/coronavirus/2019-ncov/php/contact-tracing/contact-tracing-plan/overview.html>

Investigating a COVID-19 Case

1. Case referrals may come from health care providers, LHDs, laboratories, Quarantine Stations, or from contact tracing systems (such as OMS or TraceForce).
2. Confirmed and probable cases should be advised to self-isolate immediately.
3. Interviews with cases should be attempted within 24 hours of case referral.
4. For asymptomatic cases with a positive antigen result, encourage confirmatory testing. Confirming infection with a PCR will exempt the person from quarantine should they be exposed again within 90 days. Antigen positive cases that test negative by PCR within 2 days of the antigen test may be changed to 'not a case'. Antigen positive cases that test positive by PCR become 'Confirmed'. Antigen positive cases with no follow-up testing are 'Probable'. Isolation and quarantine of contacts is recommended for all cases unless PCR returns negative on a specimen collected within 48 hours of the antigen test.
5. When resources are limited, priorities for who should be investigated can be found in the [Contact Tracing and Case Investigation Realignment Section](#).
6. Identify close contacts (refer to contact tracing section below)
7. Determine when cases meet criteria for discontinuation of transmission-based precautions or home isolation. Note: CDC guidance was updated on July 20. For persons previously diagnosed with COVID-19 who remain asymptomatic after recovery, retesting is not recommended within 3 months after the date of symptom onset (or specimen collection date if asymptomatic) for the initial COVID-19 infection.
 - Those in **HOME ISOLATION (symptomatic or asymptomatic)**: <https://www.cdc.gov/coronavirus/2019-ncov/hcp/disposition-in-home-patients.html>
 - Those **HOSPITALIZED**: <https://www.cdc.gov/coronavirus/2019-ncov/hcp/disposition-hospitalized-patients.html>
 - Those who are **IMMUNOCOMPROMISED**: <https://www.cdc.gov/coronavirus/2019-ncov/hcp/ending-isolation.html>

Contact Tracing

1. A close contact is defined by CDC as:
 - o An individual who has had close contact (<6 feet)** for a total of 15 minutes or more *** to:
 - a person with COVID-19 who has symptoms (in the period from 2 days before symptom onset until they meet criteria for [discontinuing home isolation](#); can be laboratory-confirmed or clinically compatible illness OR to
 - a person who has tested positive for COVID-19 (laboratory confirmed) but has not had any symptoms (in the 2 days before the date of specimen collection until they meet criteria for [discontinuing home isolation](#))
 - **NOTE:** this is irrespective of whether the person with COVID-19 or the contact was wearing a mask or whether the contact was wearing respiratory personal protective equipment (PPE).
- ** Data to inform the definition of close contact are limited. Factors to consider when defining close contact include proximity, duration of exposure (e.g., longer exposure time likely increases risk), and whether the exposure was to a person with symptoms (e.g., coughing likely increases risk). While research indicates masks may help those who are infected from spreading the infection, there is less information regarding whether masks offer protection for a contact exposed to a symptomatic or asymptomatic patient. The determination of close contact should be made irrespective of whether

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the person with COVID-19 or the contact was wearing a mask. Because the general public has not received training on proper selection and use of respiratory PPE, it cannot be certain whether respiratory PPE worn during contact with an individual with COVID-19 infection protected them from exposure. As a conservative approach, the determination of close contact should generally be made irrespective of whether the contact was wearing respiratory PPE, which is recommended for health care personnel and other trained users, or a mask recommended for the general public.

***Data are insufficient to precisely define the duration of time that constitutes a prolonged exposure. Recommendations vary on the length of time of exposure, but 15 minutes of close exposure can be used as an operational definition. Brief interactions are less likely to result in transmission; however, symptoms and the type of interaction (e.g., did the infected person cough directly into the face of the exposed individual) remain important. CDC and MDHHS interpret 15 minutes of close exposure as cumulative, not consecutive.

2. Close contacts (who have not been diagnosed with COVID-19 in the past 90 days) should:
 - a. Stay home until 14 days after last exposure and maintain social distance (at least 6 feet) from others at all times
 - b. Self-monitor for symptoms – check temperature twice a day, watch for fever*, cough, or shortness of breath, follow [CDC guidance](#) if symptoms develop
 - c. Avoid contact with people at higher risk for severe illness (unless they live in the same home and had same exposure)
 - d. LHD option to reduce quarantine. CDC and MDHHS updated guidance on December 2, providing options to reduce the length of quarantine. MDHHS guidance states that while the standard fourteen-day quarantine period remains, individuals have an opportunity to reduce that to ten days provided:
 - i. The individual does not develop symptoms or clinical evidence of COVID-19 infection during the daily symptom monitoring for the 10 days after the last exposure; and,
 - ii. Daily symptom monitoring continues through day 14 after the last exposure.

Note: Based on individual assessment, LHDs may continue to require individuals to quarantine for the full 14 days per existing CDC recommendations. MDHHS is currently reviewing options for further reduction of quarantine periods based on diagnostic testing results and may update guidance at a later date.
 - e. Any symptomatic contacts should be entered into MDSS as a probable case. If the contact resides in a different jurisdiction, please still add the case with any relevant notes.
 - f. To encourage compliance of self-isolation or self-quarantine in a home setting, LHDs should try to establish a rapport with travelers. Inform cases and contacts of cases of resources that can support them (e.g., grocery delivery services, exclusion letters for school/work). Contacts that are quarantined may not travel via mass transit (e.g., traveling by public air, train, bus). More information and resources can be found at: <https://www.cdc.gov/coronavirus/2019-ncov/if-you-are-sick/quarantine.html>
- *For the purpose of this guidance, fever is defined as subjective fever (feeling feverish) or a measured temperature of 100.4°F (38°C) or higher. Note that fever may be intermittent or may not be present in some people, such as those who are elderly, immunocompromised, or taking certain fever-reducing medications (e.g., nonsteroidal anti-inflammatory drugs [NSAIDs]).
3. Close contacts who have been diagnosed with COVID-19 (see note) and 90 days or less have passed since their symptoms began (or first positive test date if asymptomatic) do not need to quarantine or get tested again as long as they do not develop symptoms. People who develop symptoms again within 90 days of their first COVID-19 illness should self-isolate immediately for 10 days after symptom onset and consult with a HCP to determine if they need to be tested.

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Note: Diagnosis with COVID-19 can be by either laboratory-based (PCR or antigen) SARS-CoV-2 infection or a healthcare provider based on the person's symptoms. There should be a record of the case having been reported to public health in order to exempt a close contact from quarantine.

4. Close contacts who have been vaccinated are not required to quarantine if they meet all of the following criteria:
 - a. Are fully vaccinated (i.e., ≥ 2 weeks following receipt of the second dose in a 2-dose series, or ≥ 2 weeks following receipt of one dose of a single-dose vaccine)
 - b. Are within 3 months following receipt of the last dose in the series
 - c. Have remained asymptomatic since the current COVID-19 exposure

These criteria could also be applied when considering work restrictions for fully vaccinated healthcare personnel with higher risk exposures, as a strategy to alleviate staffing shortages. Of notes, exposed healthcare personnel would not be required to quarantine outside of work. Fully vaccinated persons who do not quarantine should still watch for symptoms of COVID-19 for 14 days following an exposure. If they experience symptoms, they should be clinically evaluated for COVID-19. In addition, vaccinated persons should continue to follow current guidance to protect themselves and others.

For TraceForce purposes, if an antigen positive case is later named as a contact to a COVID-case within 90 days, these criteria are followed:

1. Antigen positive, Symptomatic, no PCR= exempt from quarantine
2. Antigen positive, Asymptomatic, no PCR= not exempt from quarantine
3. Antigen positive, regardless of symptoms, PCR positive = exempt from quarantine
4. Antigen positive, regardless of symptoms, PCR negative = not exempt from quarantine

Exceptions to waiving quarantine: As an exception to the above guidance, vaccinated inpatients and residents in healthcare settings should continue to quarantine following an exposure to someone with suspected or confirmed COVID-19. This exception is due to the unknown vaccine effectiveness in this population, the higher risk of severe disease and death, and challenges with social distancing in healthcare settings. Although not preferred, healthcare facilities could consider waiving quarantine for vaccinated patients and residents as a strategy to mitigate critical issues when other options are unsuccessful or unavailable. These decisions could be made in consultation with public health officials and infection control experts.

5. COVID-19 Variant Considerations:

On January 26, MDHHS shared a Health Alert Network message about the introduction of the B.1.1.7 variant to Michigan's population that included messaging on enforcement of a full 14-day quarantine period with monitoring of any close contacts of possible variant infections. However, a close contact of a B117 variant infection will not need to quarantine if the person meets all of the criteria listed above of being fully vaccinated, within the immune period, and continue to be asymptomatic.

Fully vaccinated individuals may be required to quarantine for 14 days if exposed to a different variant strain with the potential for reduced vaccine efficacy. <https://www.cdc.gov/coronavirus/2019-ncov/cases-updates/variant-surveillance/variant-info.html>

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Additional guidance for public health management of specific cases or contacts may be found at:

- Guidance on Public Health Management of Healthcare Personnel with Potential Exposure in a Healthcare Setting to Patients with COVID-19: <https://www.cdc.gov/coronavirus/2019-ncov/hcp/guidance-risk-assesment-hcp.html>
- For those considered by CDC to be Critical Infrastructure Workers, please see: <https://www.cisa.gov/publication/guidance-essential-critical-infrastructure-workforce>
- MDHHS guidance for Essential Workers and Quarantine: [https://www.michigan.gov/documents/coronavirus/Essential Workers and Quarantine 1.25.21 714009 7.pdf](https://www.michigan.gov/documents/coronavirus/Essential_Workers_and_Quarantine_1.25.21_714009_7.pdf)
- Guidance on Implementing Safety Practices for Critical Infrastructure Workers Who May Have Had Exposure to a Person with Suspected or Confirmed COVID-19: <https://www.cdc.gov/coronavirus/2019-ncov/community/critical-workers/implementing-safety-practices.html>
- Guidance on Public Health Management of Persons (other than Health Workers or other Critical Infrastructure Workers) with Potential COVID-19 Exposures (community-related): <https://www.cdc.gov/coronavirus/2019-ncov/php/public-health-recommendations.html>
- Guidance on Creating a Safe Work Environment from MDHHS: [https://www.michigan.gov/documents/coronavirus/2021105 Guidance for employers 707083 7.pdf](https://www.michigan.gov/documents/coronavirus/2021105_Guidance_for_employers_707083_7.pdf)
- Interim Clinical Considerations for Use of mRNA COVID-19 Vaccines Currently Authorized in the United States: <https://www.cdc.gov/vaccines/covid-19/info-by-product/clinical-considerations.html>

Case Investigation and Contact Tracing Metrics

LHDs interview cases and obtain available medical records as soon as feasible, considering available resources. On May 29, Dr. Joneigh Khaldun issued a memorandum introducing the “Test. Trace. Protect” strategy for local health departments. A series of targets on initiation and completion of COVID-19 case investigation and contact tracing was included in that memorandum. Additional guidance was released in a memorandum on July 28 which indicates that LHDs should have established cross-jurisdictional referral processes and that MDHHS developed a set of recommendations for contact monitoring best practices. Michigan-specific and national resources for case investigation metrics can be found under “Case Investigation & Contact Tracing” on the www.michigan.gov/cdinfo website. Resources:

- [May 29 Case Investigation and Contact Tracing Targets Memo](#)
- [July 28 Case Investigation and Contact Tracing Memo](#)
- [COVID Case Investigation Metrics Webinar PowerPoint](#)

Information on onset date, race, ethnicity, workplace, occupation, association (and type) with congregate setting, hospitalization status, and if the patient has died is often missing on the MDSS Case Report Form, but critical to these investigations. Please see this tip sheet for the COVID-19 Case Report Form: https://www.michigan.gov/documents/mdhhs/COVID19MDSSTipSheet_696209_7.pdf

Some LHDs have opted to use TraceForce for contact tracing. For additional information regarding that system, please go to www.michigan.gov/cdinfo.

On August 20, 2020 updates were made to MDSS to allow for LHDs to run their own metric reports directly from MDSS. LHD Users with the Administrator role will be able to access the COVID Audit Report from the Administration Tab in MDSS. To run the Audit Report, the user selects the date of referral for review, their local health jurisdiction and select Export CSV. A CSV file with metric data for the selected referral date will be exported from MDSS. This can then be used to create local metric reports.

The screenshot shows the MDSS (Michigan Disease Surveillance System) interface. At the top, there are tabs for Case Investigation, Administration (which is selected), System Administration, Messages, and Reports. On the left side, there is a sidebar menu with options: Home, User Audit Search, Activity Searches, Pending Work Queue, List Holding Area, Manage Patients, Administrative Reports, and COVID Audit Report (which is highlighted with a red circle). The main content area is titled "COVID Audit Report - Export current values for fields used in case investigation metrics". It contains a form with the following fields: "Referral Date (mm/dd/yyyy)" with a date picker set to 08/23/2020, "Local Health Jurisdiction" with a dropdown menu showing "Alegan County", "Barry-Eaton", and "Bay County", and two radio buttons for "Exclude MDOC cases" (selected) and "Include MDOC cases". At the bottom right of the form are "Export CSV" and "Reset" buttons.

Receiving a Referral for a Traveler

Public Health Management of Persons with Potential COVID-19 Exposures: Travel-Associated

On January 12, 2021, CDC announced an order requiring all air passengers two years of age or older arriving to the US from a foreign country to get tested no more than 3 days before their flight departs and to present the negative result or documentation of having recovered from COVID-19 to the airline before boarding the flight. Additional information may be found at: <https://www.cdc.gov/coronavirus/2019-ncov/travelers/testing-international-air-travelers.html>

As of February 2, CDC requires wearing masks during travel on planes, buses, trains, and other forms of public transportation traveling into, within, or out of the US and in US transportation hubs such as airports and stations. There is ongoing transmission of COVID-19 within the US and in destinations throughout the world.

Before travel, individuals should be tested with a viral test 1-3 days before the trip. Do not travel if the test is positive; isolate and follow public health recommendations.

After travel, regardless of where you traveled or what you did during your trip, take these actions to protect others from getting COVID-19 after travel:

- **Get tested with a viral test 3-5 days after travel AND stay home and self-quarantine* for a full 7 days after travel.**
 - Even if you test negative, stay home and self-quarantine for the full 7 days
 - If your test is positive, isolate yourself to protect others from getting infected.
- **If you do not get tested, it is safest to stay home and self-quarantine for 10 days after travel.**
- **Avoid being around people who are at increased risk for severe illness for 14 days, whether you get tested or not.**
- Stay at least 6 feet from anyone who did not travel with you, particularly in crowded areas – both indoors and outdoors.
- Wear a mask to keep your nose and mouth covered when you are outside of your home.
- If there are people in the household who did not travel with you, wear a mask and ask everyone in the household to wear masks in shared spaces inside your home for 14 days after travel.
- Wash your hands often or use hand sanitizer.
- Self-monitor for symptoms and take your temperature if you feel sick.

* This general guidance for self-quarantine does not limit the authority of the LHD to order quarantine for individuals that the LHD deems necessary, based on the exposure risk to the individual, the risk that individual poses to others, and/or the perceived compliance of the individual.

Areas with high levels of COVID-19 spread may be found at: <https://www.cdc.gov/coronavirus/2019-ncov/travelers/map-and-travel-notice.html>

CDC provides Interim Guidance for Airlines and Airline Crew and Infection Control Guidelines for Cabin Crew. Additionally, test requirement FAQs for aircraft operators, airlines, and crew can be found at <https://www.cdc.gov/coronavirus/2019-ncov/travelers/testing-international-air-travelers.html>

Finally, CDC provides a travel planner tool for those traveling within the US, which can be found at <https://www.cdc.gov/coronavirus/2019-ncov/travelers/travel-planner/index.html>

COVID-19 Vaccine

MDHHS is working with CDC and Michigan stakeholders to prepare and plan for COVID-19 vaccine distribution. Michigan COVID-19 Vaccine Draft Plan: https://www.michigan.gov/documents/coronavirus/COVID-19_Vaccination_Plan_for_Michigan_InterimDraft10162020_705598_7.pdf

For the most recent information on the COVID-19 vaccine in Michigan, go to www.mi.gov/COVIDVaccine. CDC vaccine information can be found at: <https://www.cdc.gov/coronavirus/2019-ncov/vaccines/index.html>

On December 1, 2020, ACIP made recommendations on who should be offered COVID-19 vaccination in the initial phase of the IS COVID-19 vaccination program while there is limited vaccine supply. ACIP will make recommendations for the use of individual vaccines as they are FDA approved. Updated recommendations will be posted at: <https://www.cdc.gov/coronavirus/2019-ncov/vaccines/recommendations-process.html>

CDC updated the Interim Clinical Considerations for Use of mRNA COVID-19 Vaccines Currently Authorized in the United States on February 10, 2021 (<https://www.cdc.gov/vaccines/covid-19/info-by-product/clinical-considerations.html>)

Data indicate that mRNA COVID-19 vaccines are safe for individuals with evidence of prior COVID-19 infection (symptomatic or asymptomatic) and therefore should be offered to individuals regardless of their infection history. Viral or serologic testing to assess for current or previous infection is **not** recommended.

For individuals with current SARS-CoV-2 infection, vaccination should be deferred until the person has recovered from acute illness (if symptomatic), and criteria for discontinuing isolation have been met. This applies to individuals with infection before receiving any doses and those that may be infected in between doses.

There is no minimum interval between infection and vaccination. However, current evidence suggests that the risk of reinfection is low in the months after initial infection, but immunity may wane over time. Persons with recent documented acute infection may choose to temporarily delay vaccination, recognizing that risk of reinfection and need for vaccination may increase with time.

Vaccination status should not affect treatment decisions (e.g., monoclonal antibodies, convalescent plasma, antiviral treatment, or corticosteroid administration) or timing of such treatments.

Public Health Recommendations for Fully Vaccinated People

CDC released Interim Public Health Recommendations for Fully Vaccinated People on March 8. People are considered fully vaccinated for COVID-19 ≥ 2 weeks following receipt of the second dose in a 2-dose series, or ≥ 2 weeks following receipt of one dose of a single-dose vaccine. The following recommendations apply to non-healthcare settings. Fully vaccinated people can:

- Visit with other fully vaccinated people indoors without wearing masks or physical distancing
- Visit with unvaccinated people from a single household who are at low risk for severe COVID-19 disease indoors without wearing masks or physical distancing
- Refrain from quarantine and testing following a known exposure if asymptomatic

However, fully vaccinated people should continue to:

- Take precautions in public like wearing a well-fitted mask and physical distancing
- Wear masks, practice physical distancing, and adhere to other prevention measures when visiting with unvaccinated people who are at increased risk for severe COVID-19 disease or who have an unvaccinated household member who is at increased risk for severe COVID-19 disease
- Wear masks, maintain physical distance, and practice other prevention measures when visiting with unvaccinated people from multiple households
- Avoid medium- and large-sized in-person gatherings

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- Get tested if experiencing COVID-19 symptoms
- Follow guidance issued by individual employers
- Follow CDC and health department travel requirements and recommendations

Additional guidance can be found at <https://www.cdc.gov/coronavirus/2019-ncov/vaccines/fully-vaccinated-guidance.html>

Travel Expectations in Vaccinated Individuals

To reduce the risk of further spread of variant strains in the United States, people who have been vaccinated should still follow CDC's travel recommendations and requirements before, during, and after travel. This includes all travel-related testing and quarantine recommendations and requirements, such as pre-travel and post-travel testing recommendations, the pre-departure testing requirement for international air passengers to the United States, and the recommended stay-at-home (self-quarantine) period after travel.

Fully vaccinated travelers should also follow all state, territorial, tribal, and local travel recommendations and requirements. All international air passengers (aged 2 years or older) traveling to the U.S., regardless of vaccination or antibody status, are required to show a negative COVID-19 test result or documentation of recovery from COVID-19. Those departing from or traveling within the United States are also recommended to get tested before traveling.

All travelers, regardless of vaccination status, should get tested 3–5 days after travel and stay home and self-quarantine for 7 days after travel, even if their test is negative. Travelers who do not get tested should stay home and self-quarantine for 10 days after travel. Travelers who test positive or develop symptoms of COVID-19 should isolate and follow public health recommendations.

Potential Vaccine Break-Through / Failure Cases: Follow-up

If a confirmed or probable case is identified among a fully vaccinated person (i.e., symptom onset or positive diagnostic test \geq 14 days since receipt of last dose), please do the following:

- Confirm COVID-19 vaccination dates in the Michigan Care Improvement Registry (MCIR)
- Notify Regional Epidemiologist
- Have serum and respiratory specimen collected/forwarded to BOL for serology and sequencing
- If the case has an ill close contact, and if possible, submit a respiratory specimen for sequencing from that person, as well.
- Ask the case (or proxy) about:
 - pre-existing/underlying health conditions
 - any medications, supplements, or pain relievers taken routinely, or if ibuprofen or acetaminophen was taken prior to any of their vaccine doses
 - awareness of non-response to any other vaccinations (e.g., MMR, Tdap, etc.)
 - any recent travel

Website Resources

Johns Hopkins Tracker: <https://coronavirus.jhu.edu/map.html>

MDHHS Guidance: www.michigan.gov/coronavirus & www.michigan.gov/CDInfo

CDC Guidance: <https://www.cdc.gov/coronavirus/2019-ncov/index.html>

COVID-19 Monitoring Travelers and Contacts Using the MDHHS Outbreak Monitoring System (OMS)

MDHHS is using the Outbreak Management System (OMS) to maintain monitoring data for the novel coronavirus (COVID-19) outbreak. Monitoring will occur in multiple instances:

Travel Monitoring

When MDHHS receives a referral for an individual that warrants health monitoring, MDHHS will enter the traveler's information into OMS under the outbreak name 2019-NCOV-2020-TRAVELERS (2019-NCOV-2020-STATEWIDE prior to April 6, 2020). Ideally, Local Health Jurisdictions enter monitoring data into OMS within one business day of each monitoring contact/outreach. For additional monitoring guidance or OMS assistance, please contact your Regional Epidemiologist.

Contact Monitoring

When a confirmed or probable case is identified, all close contacts to that case should be asked to self-quarantine and to be monitored for 14 days from last exposure, as resources allow. The Local Health Jurisdiction will be responsible for identifying the case's close contacts, entering those contacts and monitoring data in OMS under the original outbreak name of "2019-NCOV-2020-STATEWIDE". Household contacts of a confirmed case may need additional assessment regarding monitoring and movement. Ideally, monitoring should be done at least once daily by the Local Health Jurisdiction, with the contact/outreach entered into OMS, but this is dependent on local resources. For OMS assistance, please contact your Regional Epidemiologist.

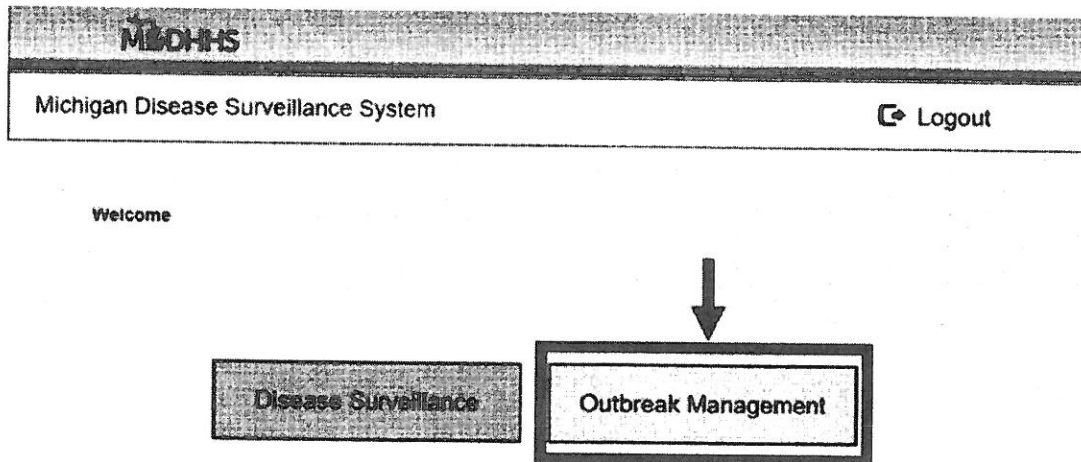
High Risk Contact Monitoring

For local health departments participating with the MDHHS Volunteer Contact Tracing Program (TraceForce), close contacts of a confirmed or probable case that live/work in a High-Risk setting will be added to TraceForce. However, the MDHHS volunteers will not be doing the follow-up. These High-Risk contacts will need to be contacted and monitored by Local Health Department staff. These High-Risk contacts will also be put in the OMS outbreak named "COVID19-2020 VULNERABLE POPULATION." Local Health Departments not participating in TraceForce will need to check this OMS outbreak routinely to determine if contacts from their jurisdiction have been added.

Michigan State and Local Public Health COVID-19 Standard Operating Procedures

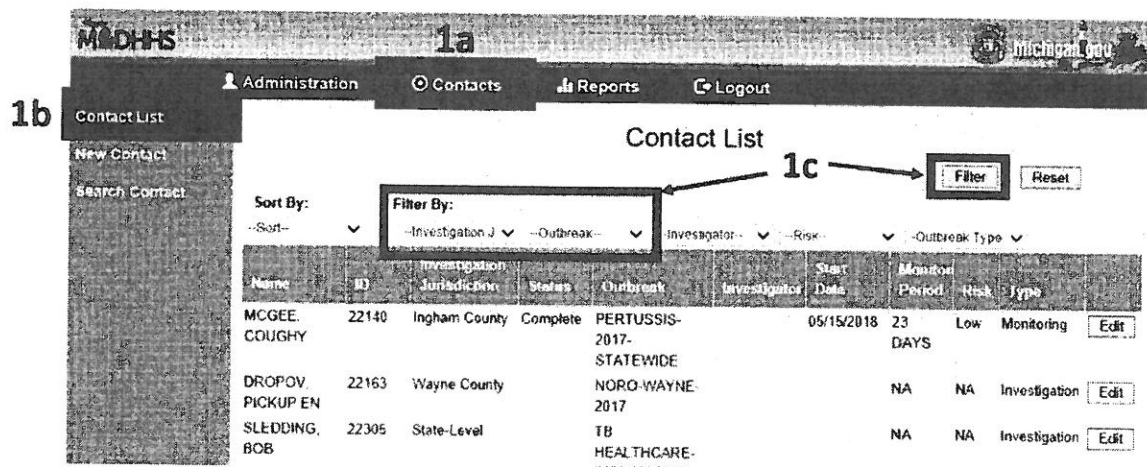
How to Access OMS

1. Log into MiLogin and select Michigan Disease Surveillance System.
2. Select 'Outbreak Management'. If you do not see that button, contact your Regional Epidemiologist for access.



How to Search for Contacts

1. To find all outbreak-associated contacts within a jurisdiction:
 - a. Click on Contacts Tab (top menu). Some users will be on the Contacts Tab upon accessing OMS.
 - b. Click on Contact List (left menu).
 - c. Under Filter By, choose the Investigation Jurisdiction and the Outbreak Name and click Filter.
 - i. Outbreak Name for Travelers before April 6, 2020 and Contacts of Cases: 2019-NCOV-2020-STATEWIDE
 - ii. Outbreak Name for Travelers after April 6, 2020: 2019-NCOV-2020-TRAVELERS



2. To find a single outbreak-associated contact
 - a. Click on the Contacts Tab (top menu). Some users will be on the Contacts Tab upon accessing OMS.
 - b. Click on Search Contact (left menu).
 - c. Search by name and/or contact ID.

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2a

2b

Search Contact

MDHHS Administration **Contacts** Reports Logout

Contact List New Contact **Search Contact**

First Name Last Name Contact ID

Referral Date To

Jurisdiction

City County Jurisdiction State Michigan

Outbreak

Outbreak Name Outbreak Status Outbreak Type

Condition

2c Search Cancel

How to Enter a New Contact (if the person is not already in the system)

1. Click on the Contacts Tab (top menu). Some users will be on the Contacts Tab upon accessing OMS.
2. Click on New Contact (left menu).

1

2

MDHHS Administration **Contacts** Reports Logout

Contact List **New Contact** Search Contact

Overview **Contact Information** Demographics

Outbreak Monitoring Details

Outbreak Name

Contact Details

First Name Last Name Middle Name

Reporting Source Source Description Referral Date

Completion Date LHM User Health Status

Investigation Status

Continue Cancel

3. Enter the contact data. Select the outbreak name. Required fields are highlighted red. Note: this is just the initial contact entry page; you will not be able to enter monitoring data at this point.
4. Click 'submit' to create the contact.
5. After submitting the contact, return to the list of contacts. See above, "How To Search for a Contact" to find the newly entered contact in order to enter monitoring data.

Note: for entry of multiple contacts, there is an option to bulk upload a contact list from an excel file into OMS. Contact your Regional Epidemiologist for assistance.

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Tips of Out-of-Jurisdiction contacts in OMS

- In the Contact's Overview tab, leave the 'LHJ User' unassigned. In OMS, a contact may show up in TWO jurisdictions at the same time. If a contact's address is in one jurisdiction and the LHJ user assigned to the case is in another jurisdiction, the contact will appear in both jurisdictions' Contact Lists. If you'd like the contact to be in your list while you work on it, you can mark yourself as the LHJ User. To remove it from your jurisdiction's contact list, re-assign the LHJ user to a user in the jurisdiction of residence.
- In the Notes tab, please enter a note with the following information:
 - a. "Contact of confirmed {insert county name} case {insert MDSS Investigation ID}"
 - b. Date of last known exposure
 - c. If you have already contacted the individual, please note that and include any relevant notes (e.g., are they symptomatic? Are they a high-risk occupation like healthcare worker?)
 - d. Your name and contact info (phone and/or email). Many health departments are recruiting additional staff to help with data entry and therefore we might not recognize the name or jurisdiction of who entered the contact. Adding your contact info in the notes will help trace the referral back in case of questions.
- Notify the appropriate jurisdiction(s) (e.g., phone or email with contact IDs).
 - a. A listing of counties participating in OMS/Traceforce/Homegrown solutions for contact monitoring can be found here, https://www.michigan.gov/documents/mdhhs/LHD_Contact_Tracing_Platforms_8.1.2020_698046_7.pdf. Your Regional Epidemiologist can assist with making referrals to other jurisdictions.
- If the contact is out-of-state, please notify your Regional Epidemiologist with the contact ID(s).

How to Import Multiple Contacts at Once

This function is only available to Admins and it will only import the basic demographics for contacts (e.g., not monitoring data points).

1. Click on the Administration tab along the top. If you don't see that tab, you do not have Admin rights.
2. Click on 'Import Contacts'.
3. Click on 'Download Template'.
4. Open the downloaded .csv file and enter data.
 - a. Only those variables listed in the template can be uploaded in bulk.
 - b. Do not enter additional columns of data; the file will not upload if you do.
5. Save the file as .csv. If you save the file as .xls or .xlsx, it will not work.

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1

Administration
Outbreak Listing
Contacts
Reports
Logout

2

Import Contacts

Condition Management

Questionnaire Management

Import Contacts

Outbreak Name: 2018-NCOV-2020-STATEWIDE

Choose .csv File to Import Browse...

Download type (blank) form here with the STREET template may be used to create a new contact.

DOB must be entered in a DD/MM/YYYY format. Leading zeros may be dropped.

Download a blank template here

A	B	C	D	E	F	G	H	I	J	K	L	
FIRST_NAME	MIDDLE_NAME	LAST_NAME	SEX	DOB	STREET	CITY	ZIP	STATE	COUNTY	DOB	GUARDIAN_FIRST_NAME	GUARDIAN_LAST_NAME
John	A	Smith	M	12/15/1990	123 Main St	Ann Arbor	48106	MI	Washtenaw	12/15/1990		
John		Smith	M	12/15/1990	123 Main St	Ann Arbor	48106	MI	Washtenaw	12/15/1990		

MIDDLE_NAME is the only required field. It can be blank.

DOB is the full date of birth. Format: DD/MM/YYYY. Leading zeros may be dropped. Blank if not known. Blank if not known. Blank if not known.

COUNTY is the full name of the county. Format: MI, WA, etc. County is required. County is required. County is required.

GUARDIAN is the full name of the guardian. Format: MI, WA, etc. Guardian is required. Guardian is required. Guardian is required.

6. When you are ready to import, go back to the Import contacts tab, see steps outlined in the screen shot below.
7. Choose Outbreak Name. If you want the contacts to be transferred to TraceForce, select the Outbreak Name "COVID-19_2020_TF_REALTIME".
8. Click browse and find your .csv file to upload.
9. Click Import once (there might be a delay, please do not click multiple times!).
10. If someone by that name already exists in OMS, the system will ask you if you would like to merge them or create a new contact (similar to MDSS dedup).

How to Add Monitoring Data to a Contact

Click "Edit" on the contact.

1. Within the contact, click on the 'Data Points' tab.
2. Click "Add a day" to add a monitoring line to the list.
3. Click 'Edit' next to the timepoint. A pop-up box will appear.
 - a. Date: enter the date of contact
 - b. Monitoring Status: Active Monitoring
 - c. Risk Level: Choose the appropriate option; For those at "medium risk", please use "mid" risk level.
 - d. Action: Choose the appropriate option
 - e. OMS Investigator: select the person who contacted the client
 - f. Document the responses; contact your regional epidemiologist if a contact has not been reachable in greater than 24 hours
 - g. Click Save Changes in the pop-up box
4. Click Submit to save.

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1 Overview Contact Information Demographics Risk **Data Points** Secondary Contacts Notes Person History

Contact PERSON,FAKE Locked By WEINBERGM1 (MEGHAN WEINBERG).

Monitoring Details

Outbreak: 2019-MCOV-2020-STATEWIDE Collection Freq: Once Frequency Unit: per Day Monitoring Period: 14 Period Unit: Days

Start Monitoring Date (mm/dd/yyyy): 02/02/2020 End Monitoring Date (mm/dd/yyyy): 02/16/2020 Highest Monitoring Level: Active Monitoring

Contact Reassessed?: ☐ Yes ☒ No Contact Deceased?: ☐ Yes ☒ No Highest Risk Level: Mid

2 **Monitoring Symptoms**

Add a day View All

Days List

Day	Date	Investigator	Status	Risk Level	Action	Temp
1	02/02/2020	WEINBERGM1	Active Monitoring	Mid	Contacted	98.2
2	02/03/2020	WEINBERGM1	Active Monitoring	Mid	Contacted	97.9

View Edit

View Edit

3

Additional Assessment

4 Don't forget this step! Data Points will not be saved without hitting this Submit button. Submit Reset

How to Close Out a Contact

1. Click on Overview tab in the contact.
 - a. For individuals that have completed their monitoring, enter Completion Date and change Monitoring Status to Complete.
 - b. For individuals that transfer to a different state/country, enter Completion Date and change Monitoring Status to Left Jurisdiction.
 - c. For individuals that cannot be reached, enter Completion Date and change Monitoring Status to Loss to Follow Up.
 - d. For individuals that were incorrectly referred to Michigan OR individuals determined to have no or low risk of exposure, enter Completion Date and change Monitoring Status to Canceled.
2. Click Submit to save changes.

How to Grant OMS Access to a New User

FOR THE USER:

- New users who do not currently have MDSS access, must register for both MDSS and OMS. Registration instructions are available [here](#).
- If the user has MDSS access, they do not need to register again for OMS. An MDSS admin can provide OMS access with their existing account.

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FOR THE ADMIN:

1. Since the creation of the OMS inside of MDSS, user access and level assignment into that area had been controlled inside of the User control panel in MDSS. With the release of MDSS 6.2.6, a user control panel has been created in OMS where access level and jurisdiction assignments are set.
2. If the user is not found in OMS, first activate the user for OMS in MDSS. In User list (under Administration tab), navigate to the user you need to update. If you need to also assign MDSS access, select a Role (choose LHJ) and Job Function. If they do not need MDSS access, select 'No Access' in the Job Function dropdown.
3. Check the OMS Access box.
4. Check the Active box (if not already)
5. Hit Submit.

User Management Form:

- User Info:** First: BETHANY G, Last: REIMINK
- Role and Function:** Role: LHJ, Job Function: No Access
- Primary Settings:** Program: All Plus Refugee, Jurisdiction: Kalamazoo County, Facility: ACA INTERNS
- Additional Settings:** Facility: ACA INTERNS, ALLEGAN GENERAL HOSP, ALPENA GENERAL HOSP, SPIRUS GRANDVIEW
- Automatic Case Assignment:** MDCG Case Assignment, Receive Registration Emails
- Access:** MDSS Access, McElerny Access, OMS Access (checked), SUP Access
- User Status:** Active

6. Then, in OMS, click on the Administration tab along the top.
7. Click on the User Management tab on the left side and find the user. Note you can sort by name and/or filter by jurisdiction to find users easily.
8. Click 'Edit' next to the user you need to assign access to.

User List Table:

Role	User Name	Role	Primary Jurisdiction	Active User	Edit
No Access		No Access	State-Level	Active	Edit
No Access		No Access	State-Level	Active	Edit
No Access		No Access	State Level	Active	Edit

9. Check the 'Active' Box and assign appropriate OMS Role, Primary Jurisdiction, and Secondary Jurisdiction (if needed).

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10. Click 'Update' to save selections.

User Info		
First Name:	Last Name:	Middle Name:
Email:	Phone:	
User Name		<input type="checkbox"/> Active
THAVANIN2845		
Roles, Role and Privileges		
OAS Role	Primary Jurisdiction	Secondary Jurisdiction
No Access	State-Level	Sanilac County
		Shawwassee County
		St Clair County
		State-Level
<input type="button" value="Update"/>		<input type="button" value="Cancel"/>

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OMS FAQs

Why is a contact still showing up in my contact list even though I entered an out-of-jurisdiction address?

If the LHJ user assigned to the case (on the contact's Overview tab) is in your jurisdiction, the contact will still appear on your list. It will also appear in the jurisdiction of the contact's residence. If you no longer want it to appear in your jurisdiction list, you must re-assign the LHJ user.

Is there an OMS audit trail like in MDSS? How can I tell who entered this contact?

There is currently no audit trail in OMS. You cannot tell who entered the contact into OMS, which is why we are recommending LHDs to add a note that states why the contact is being referred, date of last exposure, and a point of contact at the LHD.

Does OMS notify jurisdictions when a new contact has been entered into OMS for their jurisdiction?

No, OMS does not have any notifications or alerting functions. The only way to tell if a new contact has been entered is to review the contact list.

Can I remove completed contacts off our jurisdiction's contact list?

Unfortunately, not at this time.

How can I tell if an OMS contact is a traveler who was referred from CDC airport screening?

Starting on April 6, 2020, MDHHS created a separate OMS outbreak for new traveler referrals called "2019-NCOV-2020-TRAVELERS". Moving forward, traveler referrals received from CDC will be entered into this outbreak. LHDs may choose to re-locate previously monitored travelers from the "2019-NCOV-2020-STATEWIDE" outbreak in OMS, but this is optional.

Effective March 17, MDHHS enters the flight information (if known) in the Contact Information tab, under the Parent/Guardian information:

- Guardian First name field = flight number
- Guardian Last name field = country returning from and last day in country (if known)

This is a workaround so travelers can be bulk uploaded into OMS.

Will I be notified of new travelers who are referred from CDC airport screening?

No. Daily HAN notifications regarding traveler referrals to OMS will no longer be issued as of March 20. Please log into OMS daily to review any new travelers to your jurisdiction. Initial contact with the traveler by the LHJ should be attempted within 24 hours of the OMS referral, if possible.

How should I monitor travelers that are referred from CDC airport screening?

LHDs have options regarding monitoring travelers including continuing active daily monitoring as previously described or making initial contact to ensure they understand the self-quarantine. Some LHDs will redirect resources to case investigation and contact tracing.

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Appendix 1: Sample language for letter to confirm completion of isolation/quarantine

Sample language for letter to confirm that a case or close contact to a case has completed home isolation/quarantine:

Date: [XX/XX/2021]

Re: COVID-19 case home isolation completed.

To whom it may concern,

This letter confirms that [CASE/CLOSE CONTACT] has completed home isolation/quarantine and monitoring for 2019 Novel Coronavirus (COVID-19) in coordination with the [LOCAL HEALTH DEPARTMENT] and the Michigan Department of Health and Human Services. There are no remaining restrictions on movement or activities.

Please remember there is ongoing community transmission of the virus. All persons are expected to continue social distancing and to wear a mask when outside of the home. Any symptoms of respiratory infection that develop from this point forward should be tested and treated appropriately by your doctor.

If the individual named above presents for medical care, there is no need for additional precautions or isolation measures beyond those typically used.

If you have any questions regarding the status of this individual, you may contact:

[LOCAL HEALTH DEPARTMENT] – [###/###-####]

or

Michigan Department of Health and Human Services – 517-335-8165

Sincerely,

[LHD MEDICAL DIRECTOR]

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Appendix 4: Report of COVID-19 Positive Test Result to Public Health

Please fax completed form to the Local Health Department where the patient resides.

If interested in reporting results electronically, please visit www.michigan.gov/mdss

Patient Information

Full Name (First & Last): _____

Address: _____ City: _____ ZIP: _____

Phone (____) _____ Other Phone (____) _____ DOB ____/____/____ Sex: ☐ Male ☐ Female ☐ Unk

Check all that apply (at least one). Unknown may be selected if there is no feasible way to collect specific information.

Race: ☐ American Indian/Alaska Native ☐ Black/African American ☐ Asian ☐ Caucasian
☐ Hawaiian/Pacific Islander ☐ Other _____ ☐ Unk

Ethnicity: Hispanic/Latino: ☐ Yes ☐ No ☐ Unk Arab/Middle Eastern: ☐ Yes ☐ No ☐ Unk

Test Information

Type of Test (Choose one): ☐ PCR ☐ Rapid Molecular (i.e. Abbott ID Now) ☐ Rapid Antigen ☐ Antibody

Specimen Source: ☐ Nasal swab ☐ Nasopharyngeal (NP) swab ☐ Oropharyngeal swab ☐ Serum ☐ Other: _____

Test Ordered: ____/____/____ Specimen Collected: ____/____/____ Report Date: ____/____/____

Ordering Provider

Full Name (First & Last): _____ NPI: _____

Affiliation/Facility name: _____ Phone (____) _____

Address: _____ City: _____ Zip: _____

Person Providing Referral

Full Name (First & Last): _____ Phone (____) _____

Ask at Order Entry Questions

Is this the first test for COVID-19? ☐ Yes ☐ No ☐ Unk

Is the patient employed in a healthcare setting? ☐ Yes ☐ No ☐ Unk

Does the patient have symptoms related to COVID-19? ☐ Yes ☐ No ☐ Unk

If yes, what is the illness onset date? mm/dd/yyyy

Did the infection require hospitalization? ☐ Yes ☐ No ☐ Unk

Was the patient admitted to intensive care unit (ICU) for COVID-19? ☐ Yes ☐ No ☐ Unk

Does the patient reside in a congregate care setting (including nursing homes, residential care for people with intellectual and developmental disabilities, psychiatric treatment facilities, group homes, board and care homes, homeless shelter, foster care or other setting)? ☐ Yes ☐ No ☐ Unk

If female, pregnancy status

☐ Not Pregnant ☐ Pregnant ☐ Unk

Clinical Presentation

Asymptomatic ☐ Yes ☐ No ☐ Unk

Fever (subjective) <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unk	Fever (measured) ____ °F	Chills <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unk	Muscle aches <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unk	Runny nose <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unk
Sore throat <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unk	Cough <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unk	Shortness of breath <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unk	Nausea or vomiting <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unk	Headache <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unk
Abdominal pain <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unk	Diarrhea <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unk	Fatigue <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unk	Congestion <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unk	Wheezing <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unk
Chest pain <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unk	Loss of taste or smell <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unk	Pneumonia <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unk	ARDS <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unk	Stroke/VTE <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unk

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Appendix 5: Deduplication Instructions for COVID-19

Deduplication Instructions

These instructions are specific to case deduplication of COVID-19. Full instructions for patient and case deduplication may be found at www.mi.gov/mdss or directly here:

https://www.michigan.gov/documents/mdch/Instructions_for_Deduplication_in_MDSS_06_2013_425623_7.pdf

Manual vs Electronic Entry

Cases or lab results may be entered manually by individual MDSS users or via electronic laboratory reporting (ELR). The figure below shows examples of each type. Those that are added via ELR will go through an algorithm for MDSS to determine whether to 'Create' or 'Match Existing'. Those that are entered manually by users will need manual review, following the **Instructions for Case Deduplication** below.

The screenshot shows the 'Pending Work Queue' in the MDSS system. It displays a list of COVID-19 cases with columns for Date Added, Condition, EPR, Patient Name, Primary Jurisdiction, and Added By. Cases are categorized as 'Added by lab (ELR)' or 'Added manually'.

Date Added	Condition	EPR	Patient Name	Primary Jurisdiction	Added By	Actions
01/04/2021	Novel Coronavirus COVID-19	PATIENT DEDUP - LAB LABCORP	Berrien County	B LABCORPLA	Resolve View	Added by lab (ELR)
01/04/2021	Novel Coronavirus COVID-19	PATIENT DEDUP - LAB LABCORP	Delta-Menominee	B LABCORPLA	Resolve View	
01/04/2021	Novel Coronavirus COVID-19	PATIENT DEDUP - LAB LABCORP	Branch-Hillsdale-St Joseph	B LABCORPLA	Resolve View	
01/04/2021	Novel Coronavirus COVID-19	PATIENT DEDUP - LAB MED LODGE OF CAPITAL AREA	Ingham County	NHSEN AUTUMN WOODS	Resolve View	Added manually
01/04/2021	Novel Coronavirus COVID-19	PATIENT DEDUP - [REDACTED]	St Clair County	STEPHANIE KULHANEK	Resolve	
01/04/2021	Novel Coronavirus COVID-19	PATIENT DEDUP - [REDACTED]	Livingston County	ROSE BERTON	Resolve	
01/04/2021	Novel Coronavirus COVID-19	PATIENT DEDUP - [REDACTED]		RHONDA BROCK	Resolve	
01/04/2021	Novel Coronavirus COVID-19	PATIENT DEDUP - LAB Henry Ford Hospital	Oakland County	HENRY FORD HOSPITAL	Resolve View Move to LHA	
01/04/2021	Novel Coronavirus COVID-19	PATIENT DEDUP - [REDACTED]	Detroit City	JENNIFER L JOHNSON	Resolve	
01/04/2021	Novel Coronavirus COVID-19	PATIENT DEDUP - LAB Saint Marys Mercy Health Care - GR	Ottawa County	ST MARYS MERCY HOSP	Resolve View	

Lab Holding Area (LHA)

Some cases in the pending queue have a 'Move to LHA' option. This includes cases with negative laboratory results, cases with antibody results or cases with indeterminate or inconclusive results. **Only those with negative lab results may be moved to the LHA.** Click on 'View' to review results before moving the case. Cases created from OMS also have the 'Move to LHA' option but it should NOT be used for these cases.

The screenshot shows the 'Pending Work Queue' in the MDSS system, displaying cases with 'Move to LHA' options. The table structure is similar to the previous one, but includes the 'Move to LHA' button for certain cases.

Date Added	Condition	EPR	Patient Name	Primary Jurisdiction	Added By	Actions
01/04/2021	Novel Coronavirus COVID-19	PATIENT DEDUP - LAB Chippewa County Mem	Chippewa County	CHIPPEN VERA MEMORIAL HOSP	Resolve View	
01/04/2021	Novel Coronavirus COVID-19	PATIENT DEDUP - LAB Quest Diagnostics Wood Dale	Mad-Michigan District	QUEST WOOD DALE	Resolve View	
01/04/2021	Novel Coronavirus COVID-19	PATIENT DEDUP - LAB Quest Diagnostics Wood Dale	Macomb County	QUEST WOOD DALE	Resolve View	
01/04/2021	Novel Coronavirus COVID-19	PATIENT DEDUP - LAB Quest Diagnostics Wood Dale	DeKalb County	QUEST WOOD DALE	Resolve View	
01/04/2021	Novel Coronavirus COVID-19	PATIENT DEDUP - LAB Quest Diagnostics Wood Dale	Henn County	QUEST WOOD DALE	Resolve View	
01/04/2021	Novel Coronavirus COVID-19	PATIENT DEDUP - LAB Memorial Healthcare - Owasco	Detroit City	MEMORIAL HEALTHCARE OWSOSSO	Resolve View Move to LHA	
01/04/2021	Novel Coronavirus COVID-19	PATIENT DEDUP - LAB Memorial Healthcare - Owasco	Detroit City	MEMORIAL HEALTHCARE OWSOSSO	Resolve View Move to LHA	
01/04/2021	Novel Coronavirus COVID-19	PATIENT DEDUP - LAB Memorial Healthcare - Owasco	Detroit City	MEMORIAL HEALTHCARE OWSOSSO	Resolve View Move to LHA	

Instructions for Case Deduplication

Michigan State and Local Public Health COVID-19 Standard Operating Procedures

- 1) If a case is previously reported as Confirmed or Probable and <90 days have passed since the initial referral date, choose **MATCHES EXISTING**.

NOTE: If merging into a probable case, note the case name so that it can be searched and reviewed. If confirmatory lab results were added to the case, update Case Status from Probable to CONFIRMED. If the Investigation Status was marked as Completed, switch to REVIEW and include a note in the note tab that new confirmatory results were added to the case. *If you find that the probable case was not investigated/interviewed and <2 weeks have passed since referral date, the Investigation Status may be changed to NEW rather than Review.*

Automatic patient deduplication completed successfully.

Case Deduplication for [REDACTED]

Select an existing case as a match or choose to create a new case from the entered data.

Investigation Status	Case Status	Disease	Referral Date	Onset Date	Investigator	Jurisdiction	
New		Novel Coronavirus COVID-19	04/30/2020		TBD	TBD	Create
Review	Confirmed	Novel Coronavirus COVID-19	04/03/2020		LOWERY, DAN	Wayne County	Matches Existing

Place in Queue Help

Case Deduplication for [REDACTED]

Select an existing case as a match or choose to create a new case from the entered data.

Investigation Status	Case Status	Disease	Referral Date	Onset Date	Investigator	Jurisdiction	
New		Novel Coronavirus COVID-19	05/01/2020		TBD	TBD	Create
Active	Probable	Novel Coronavirus COVID-19	04/26/2020	04/26/2020	ELENBAAS, MICHELE	Kent County	Matches Existing

Place in Queue Help

- 2) If a case is previously reported as Suspect or Unknown and the investigation status is new or active, choose **CREATE**. Note the case name so that it can be searched and reviewed for correct case status

Case Deduplication for [REDACTED]

Select an existing case as a match or choose to create a new case from the entered data.

Investigation Status	Case Status	Disease	Referral Date	Onset Date	Investigator	Jurisdiction	
New		Novel Coronavirus COVID-19	05/01/2020		TBD	TBD	Create
New	Suspect	Novel Coronavirus COVID-19	04/28/2020	04/28/2020	HIGHT, APRIL M	Kent County	Matches Existing

Place in Queue Help

- 3) If a case was previously reported as Suspect, Probable, or Confirmed and a new record from EDRS is received, choose **MATCHES EXISTING**, even if >90 days since referral date (*as long as the condition matches*)

Date Added	Author	Current Disease	Jurisdiction	Added By	
06/06/2020	EDRS PATIENT DEDUP - LAB EDRSApplication		Wayne County	EDRS USER	Resolve

Case Information	Date Received	Assigned Case Name
09/09/2020		Novel Coronavirus COVID-19

Investigation Status	Case Status	Disease	Referral Date	Onset Date	Investigator	Jurisdiction	
Confirmed	Completed	Novel Coronavirus COVID-19	03/27/2020		HESANO, USA	Wayne County	Matches Existing

Create New Cancel Help

- 4) If a case was previously reported as Not a Case, and a new result is received, choose **CREATE**

Michigan State and Local Public Health COVID-19 Standard Operating Procedures

Case Deduplication for [redacted]

Select an existing [redacted] case as a match or choose to create a new case from the entered data.

Investigation Status	Case Status	Case Name	Report Date	Onset Date	Investigator	Assigned Office	Actions
New	Not a Case	Novel Coronavirus COVID-19	04/30/2020	TBD	TBD	TBD	Create
New	Not a Case	Novel Coronavirus COVID-19	04/30/2020	YOUNG, KENETRA	Genesee City		Matches Existing

- 5) If a case was previously reported as Confirmed or Probable and >90 days have passed since referral date, choose **CREATE**. Note the case name so that it can be searched and reviewed. Only **confirmatory** results may create a new case/re-infection according to the case definition. If results were not confirmatory, the new case can be marked as 'superceded' or sent back through for deduplication.

Case Deduplication for [redacted]

Select an existing [redacted] case as a match or choose to create a new case from the entered data.

Investigation Status	Case Status	Case Name	Report Date	Onset Date	Investigator	Assigned Office	Actions
New	Not a Case	Novel Coronavirus	08/25/2020	TBD	TBD	TBD	Create
New	Confirmed	Novel Coronavirus	04/28/2020	COLLINS, JIM	Ingham County		Matches Existing

Place in Queue Help

NOTE

If you are ever unsure about when to select 'Create' or 'Matches Existing', you can send the case back to the pending queue by selecting 'Place in Queue'

Case Deduplication for [redacted]

Select an existing [redacted] case as a match or choose to create a new case from the entered data.

Investigation Status	Case Status	Case Name	Report Date	Onset Date	Investigator	Assigned Office	Actions
New	Not a Case	Novel Coronavirus COVID-19	01/04/2021	TBD	TBD	TBD	Create
Completed	Not a Case	Novel Coronavirus COVID-19	05/08/2020	ROCKOL, AMANDA	Shiawassee County		Matches Existing

Place in Queue Help

Becky Bennett

From: Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>
Sent: Monday, March 15, 2021 11:10 AM
To: Alex Bergmooser; Allison Kowalski; Amanda Rockol; Amber Irrer; Anne Hanis; April Williams; Ashleigh Kolski; Brousseau, Geoffrey (DHHS-Contractor); bstoddard@mmdhd.org; Colleen Harns; Cynthia Tran; Dena Kent; Deneen Gallagher; Elaine Brown; Emma Harman; Hilary Pummill; Shelly Holtz; Jackie Anderson; Jamie Shepler; Jamie Wilkie; Jennifer Heslip; Jennifer J. Evans; Jennifer Johnson; Jennifer Mecomber; John Thottungal; Josi Rotunno; Kali Nichols; Karley McDonald; Kris Moyer; Wai Yi Leung; lharkness@shiasmseechd.net; Linda Weiman; lmikesell@mmdhd.org; Marji Nichols; Matthew Budd (mbudd@mijackson.org); Melissa Lautermilch; Mende Palmer; meredith.mackey@lenawee.mi.us; Melissa Endres; Natalie Johnson; Nicole Baran; Nicole Greenway (ngreenway@shiasmseechd.net); Nicole Moline; Nikki Karazim; Norm Keon; Patricia Raines; paula.ulrich; Rochelle Oshay; Samantha Soltis; Shajuana Tyson; Shymari Harris; Sierra Harns; Smoyer, Stephanie A. (MDOC); Sumeer Qurashi; Taylor Olsabeck; Teresa Spears; Theresa Enriquez; Tiffany Tyson; Tamara Jones; Tracy Payne (tpayne@mijackson.org); Wazhma Frotan; Whitnee Smith; Amy Worges; Wyki Pang; Yvonne Atwood; Colette Scrimger; Dennis Chernin; Dianne McCormick; Don Lawrenchuk; Hackert, Pamela B.; J. Daniel Woodall; Jennifer Morse; Juan Marquez; Larry Johnson (ljohnson@shiasmseechd.net); Lauren Vogell; Linda Vail; Marcus Cheatham; Martha Hall (martha.hall@lenawee.mi.us); Michael Foust; Rashmi Travis; burnsr; Adenike Shoyinka
Subject: COVID-19 SOP & tip sheets
Attachments: nCoV_SOP_TEAM_3_12_2021.pdf; Immunization Records in MDSS Tipsheet 2_19_21.docx; COVID19MDSSTipSheet_3_12_2021.pdf

Hi all,

The MDHHS COVID-19 SOP was updated on 3/12/2021 and posted to www.michigan.gov/cdinfo (and attached here).

SOP Changes include:

- Added information about new emerging SARS-COV-2 and WGS
- Added information about testing in higher education settings
- Added information about vaccine break-through/failure cases
- Added guidance for fully vaccinated individuals
- Added COVID-19 variant considerations for close contacts
- Updated travel sections based on CDC's newest guidance
- Added information for high-risk referral process for those using MDHHS State Case Investigators
- Updated links to new epidemic orders

I've attached two additional documents:

- Tip sheet on how you can query MCIR for a COVID case's immunization record from within MDSS
- COVID-19 Case Report Form tip sheet (updated 3/12/2021)

Please let me know of any questions/concerns.

Thanks,
Meghan

Meghan Weinberg, PhD, MPH

Epidemiologist - Region 1

Surveillance and Infectious Disease Epidemiology Section

Michigan Department of Health and Human Services

Cell: (517) 749-2153

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COVID-19 MDSS Case Report Form (CRF) Interim Tip Sheet

Introduction

Due to the rapidly evolving nature of the COVID-19 outbreak, MDHHS has worked to make changes to the Michigan Disease Surveillance System (MDSS) case report form (CRF) for Novel Coronavirus – COVID-19. Modifications to the form are ongoing in order to collect more information regarding symptoms, exposures, contacts, vaccination history, and more.

As the CRF is updated, new fields are intended for use on new cases and are not expected to be completed retrospectively.

Fields within the CRF that are boxed in red are fields that are reviewed for case investigation metrics. This includes race, ethnicity, close contacts, date of first interview, and current interview status.

This tip sheet highlights fields that regional epidemiologists frequently receive questions about. If you have questions about fields that are not included in this tip sheet, please contact your [regional epidemiologist](#).

Investigation Information

- **Onset Date:** If a case does not have an onset date (e.g., asymptomatic case), leave field blank. In the Clinical Information Section, select 'no' for the field *symptoms present during the course of illness*
- **State Prison Case:** check box only for inmates in Michigan Department of Corrections (MDOC) facilities. Leave unchecked for inmates in county jails and Michigan Department of Corrections employees.
- **Case Disposition:** Select 'inpatient' if a person is found to be hospitalized while infected with COVID-19.
 - Since there are many underlying conditions that may make symptoms more severe, it may be difficult to determine if the person's hospitalization is due to the underlying condition or due to the condition plus COVID-19 infection. If the reason for hospitalization is truly unrelated to COVID-19 infection (e.g., labor/delivery, gunshot wound, car accident, etc.), 'outpatient' may be selected *Note: In the Hospital Information Section, if 'Patient Hospitalized' is 'Yes', then Case disposition must be 'inpatient'*
 - The person should remain as "Inpatient" status even after discharge since inpatient status reflects history of COVID-19 infection and not hospital stay.
 - Select 'died' if the patient died and the death meets the case definition for a COVID-19 death. If the death does not meet the case definition (i.e., death due to an accident, etc.), 'outpatient' may be selected. *Note: In the Clinical Information Section, 'Patient Died' should be marked 'No' if the death does not meet the case definition for a COVID-19 death.*
- **Outbreak Name:**
 - For cases associated with outbreak, assign a specific outbreak ID (e.g., include condition, location/event, month/year). Outbreaks names can be added to individual cases even if not yet considered an outbreak as they can help associate cases with specific settings or events.
 - MDHHS is no longer using generic outbreak names (e.g., WUHAN-19, COVID-19); if a case is not associated with an outbreak, the field can be left blank
 - Refer to the MDHHS SOP for additional information on outbreaks
- **CDC/MI-nCoV-ID:** leave blank, no longer necessary. This field was used in the beginning of the pandemic to indicate cases that were approved for testing.

Investigation Information				
Investigation ID	Onset Date (mm/dd/yyyy)	Diagnosis Date (mm/dd/yyyy)	Referral Date (mm/dd/yyyy)	Case Entry Date (mm/dd/yyyy)
Investigation Status	Case Status			
	<input type="radio"/> Confirmed <input type="radio"/> Confirmed - Non Resident <input type="radio"/> Not a Case <input type="radio"/> Probable <input type="radio"/> Suspect <input type="radio"/> Unknown <input type="radio"/> Non-Michigan Case			
Patient Status	Patient Status Date (mm/dd/yyyy)	Case Disposition	Case Updated Date (mm/dd/yyyy)	Case Completion Date (mm/dd/yyyy)
Alive				
Investigator First Name	Investigator Last Name	Part of an outbreak?	Outbreak Name	
CDC MI-nCoV-19	Report date of case to CDC (mm/dd/yyyy)	State of residence	County of residence	

Patient Information

- E-mail addresses can now be recorded in the case report form

Patient Information			
Patient ID	First	Last	Middle
Street Address			
City	County	State	Zip
Home Phone (xxx-xxx-xxxx)	Ext	Other Phone (xxx-xxx-xxxx)	Ext
Email Address			

Hospital Information

- Patient Hospitalized:** If case disposition is 'inpatient' then 'yes' must be selected

Hospital Information				
Patient Hospitalized <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	Hospital	Hospital City	Hospital Record No.	Days Hospitalized
Hospital Admission Date (mm/dd/yyyy)	Hospital Discharge Date (mm/dd/yyyy)	Patient Admitted to ICU <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	ICU Admission Date (mm/dd/yyyy)	ICU Discharge Date (mm/dd/yyyy)
Is/was the patient isolated in the hospital? <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	Hospital Isolation start date (mm/dd/yyyy)	Hospital Isolation end date (mm/dd/yyyy)	Did the patient receive ECMO? <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	
Did the patient receive mechanical ventilation (Mv) intubation? <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	Did the patient have an abnormal EKG? <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown <input type="radio"/> N/A - no EKG done			

Clinical Information

- Patient Died:**
 - If the case dies within 30 days of their positive COVID-19 result, please mark 'Yes' in the 'Patient Died' field, along with the Date of Death. Please review this field for accuracy as it has a tendency to be mismarked
 - Note: It is not necessary to continuously follow-up with the case to determine the date of their symptom recovery; any case known to be still alive 30 days after their symptom onset or positive lab date will be included in the recovered case count by MDHHS
- Quarantine during symptom onset:** helps to assess contact tracing efforts and to evaluate the impact of quarantine measures; this data can also contribute to the analysis of community transmission activity

- Information on Signs and Symptoms:
 - Difference between **chills** and **rigors** – **Chills**: feeling cold; **Rigors**: shaking chills, shivering
 - Difference between **shortness of breath (dyspnea)** and **difficulty breathing** -
 - Shortness of breath**: cannot catch your breath or get enough air in your lungs. Grasping for breath or unable to complete a sentence in one breath
 - Difficulty breathing**: Winded, labored breathing

Patient Died <input type="radio"/> Yes (Died) <input type="radio"/> No (Alive) <input type="radio"/> Unknown		Date of Death (mm/dd/yyyy) <input type="text"/>	
At time of symptom onset (or positive test date if asymptomatic), was patient in quarantine because of a possible COVID-19 exposure? <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown			
Symptoms present during course of illness? <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown			
Information on signs and symptoms			
Fever (subjective or measured) <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	If yes, specify highest temperature <input type="text"/>	Scale <input type="radio"/> Fahrenheit <input type="radio"/> Celsius	Chills <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown
Rigors <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	Muscle aches (myalgia) <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	Runny nose (rhinorrhea) <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	Sore Throat <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown
Cough (new onset or worsening of chronic) <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	Shortness of breath (dyspnea) <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	Nausea <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	Vomiting <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown
Headaches	Abdominal pain	Diarrhea (≥3 loose/looser than normal stools/24hr period)	

- MIS-C**: If a case (<21 years of age) is also reported as MIS-C, check 'yes' and enter the MIS-C Investigation ID
- Did Symptoms Resolve and Date**: at the time of last interview, did symptoms resolve or return to baseline, and date that symptoms resolved. If symptoms did not resolve, leave blank and there is no requirement for investigators to follow case to update.

Multisystem Inflammatory Syndrome in Children (MIS-C) in patient < 21 years old (if yes, enter case into the MOSS Multisystem Inflammatory Syndrome reporting form) <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown <input type="radio"/> N/A		If yes, MIS-C Investigation ID <input type="text"/>
Other clinical signs <input type="text"/>		
Did symptom(s) resolve? <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	Date symptoms resolved (mm/dd/yyyy) <input type="text"/>	

- Pre-existing Health Status**: check all pre-existing conditions.
 - Disability was added as an option in February 2021. If the case has a disability, type in a description of the disability in the free text field.

Pre-existing Health Status			
Information on pre-existing conditions (Check all that apply)			
No pre-existing or chronic conditions	Autoimmune condition	Cancer	Cardiovascular Disease
Asthma/Reactive Airway Disease	Chronic Lung Disease/COPD/Emphysema	Chronic Renal Disease	Diabetes Mellitus
Chronic Liver Disease	Neurologic Disease	Severe Obesity (BMI ≥40)	
Hypertension	Other Immunosuppressive Condition (specify)	Psychological/psychiatric condition (specify)	
Other Chronic Disease (specify)			
Disability (neurologic, neurodevelopmental, intellectual, physical, vision, or hearing impairment) (specify)			

Epidemiologic Information

- COVID-19 strain/variant field**: If a case is confirmed to be a variant strain case select the appropriate variant strain type from the drop-down menu.

- Ill contacts of confirmed variant strain cases should be marked as the appropriate Suspected variant strain in the drop-down box.
- If the case's ill or asymptomatic contacts have samples collected that are confirmed to be variant, they should be switched to the appropriate Confirmed variant strain.

Epidemiologic Information	
COVID-19 strain/variant: ▼	

- **Where patient was staying at time of onset:** indicate type of residence the case was staying at the time of onset or positive test – this helps determine number of people that may have been exposed.
 - If the case was residing in a dormitory, select Other and write in 'dormitory'.
- **High-risk setting:** indicate whether case lives or works in a high risk setting and complete fields for the type of facility. Additional facility types have been added based on prior case reports and to better characterize the role of congregate settings

What best describes where the patient was staying at time of illness onset (or at time of positive test for asymptomatic individuals)?			
<input type="radio"/> Acute care inpatient facility	<input type="radio"/> Apartment	<input type="radio"/> Assisted living facility	<input type="radio"/> Homeless shelter
<input type="radio"/> House/single family home	<input type="radio"/> Group home	<input type="radio"/> Long term care facility	<input type="radio"/> Mobile home
<input type="radio"/> Nursing home	<input type="radio"/> Outside, in a car, or other location not meant for human habitation	<input type="radio"/> Correctional Facility	<input type="radio"/> Rehabilitation facility
<input type="radio"/> Unknown	<input type="radio"/> Other (specify): 		
Does the patient live or work in a high-risk or congregate living facility?		If yes, is patient:	
<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown		<input type="radio"/> Resident <input type="radio"/> Employee <input type="radio"/> Unknown	
If yes, name of facility: 			
Location of facility (address):			
Street Address: 	City: 	State: ▼	Zip:
Type of facility:			
<input type="checkbox"/> LTC/skilled nursing	<input type="checkbox"/> Federal prison	<input type="checkbox"/> Juvenile justice facility	
<input type="checkbox"/> Acute care inpatient facility	<input type="checkbox"/> Rehabilitation facility	<input type="checkbox"/> Group home	
<input type="checkbox"/> Assisted living	<input type="checkbox"/> MDOC prison	<input type="checkbox"/> Foster care setting	
<input type="checkbox"/> Homeless shelter	<input type="checkbox"/> County jail	<input type="checkbox"/> Other (specify): 	

Exposure Information

- **Exposure source:** Helps identify cases with a known exposure and cases with no known exposure for the purposes of evaluating transmission patterns; It is important to understand if cases are associated with a close contact or with an outbreak, and if associated to an outbreak, what kind. Reviewing the percent of cases with a known exposure can help assess the level of community transmission
 - For cases who are a healthcare, community, or household contact to confirmed case(s), include the MDSS ID of the source case(s)
 - For outbreaks with secondary transmission to household members or others outside the outbreak setting, select 'case is a household contact' and not 'case is associated with a known cluster or outbreak'
 - If exposure source cannot be identified, select 'Source of case's COVID-19 infection is unknown'
 - If the case cannot properly isolate in their home or work or activities during their infectious period check the 'Case cannot isolate' box.
- **Outbreak category:** select the category from the drop-down that best describes the outbreak, refer to the outbreak section of the SOP for additional information.

Exposure Information

Exposure Source (check all that apply)

☐ Case is associated with a known cluster or outbreak

If checked, outbreak name or MDSS ID(s):

Select the category that best describes the outbreak:

Other, specify:

☐ Case is a health care contact to a known COVID-19 lab-confirmed case-patient

If checked, contact MDSS Investigation ID(s):

☐ Case is a community contact to a known COVID-19 lab-confirmed case-patient

If checked, contact MDSS Investigation ID(s):

☐ Case is a household contact to a known COVID-19 lab-confirmed case-patient

If checked, contact MDSS Investigation ID(s):

☐ Source of case's COVID-19 infection is unknown (no other exposure sources checked above)

☐ Case cannot isolate



- **Exposure Information:** to capture exposure information, select all locations/events that the case attended during the 14 days prior to illness onset (or positive test result) until the start of isolation.
 - Once a location is checked additional field appear to record up to 3 locations per activity category
 - Additional activities can be recorded in the Other category

Exposure Information - In the 14 days prior to illness onset (or positive test result) until the date of isolation, did the patient visit/attend any of the following? Check all that apply. If patient visited one location on multiple dates, only list the location once.	
Date of 14 days prior to onset (or positive test collection date) (mm/dd/yyyy)	Date of isolation (mm/dd/yyyy)
<input type="text" value="11/12"/>	<input type="text" value="11/12"/>
<div style="display: flex; flex-direction: column; gap: 5px;"> <div><input type="checkbox"/> LTC/SNF/assisted living/adult day care/group home</div> <div><input type="checkbox"/> Jail/prison/detention center</div> <div><input type="checkbox"/> Shelters/settings that provide services for people experiencing homelessness</div> <div><input type="checkbox"/> Healthcare (e.g. inpatient, outpatient, dental practices, dialysis, etc.)</div> <div><input type="checkbox"/> Primary or secondary school/College or university outside of home (e.g. classroom, dorms, boarding schools, before/after school programs, etc.)</div> <div><input type="checkbox"/> Childcare/youth programs (e.g. daycares, day/overnight camps, extracurricular activities, sports programs, etc.)</div> <div><input type="checkbox"/> Agricultural/food processing/migrant camp (e.g. farm, meat packing, hatchery, etc.)</div> <div><input type="checkbox"/> Shared transportation (airplane, train, bus, etc.)</div> <div><input type="checkbox"/> Restaurant/bar</div> <div><input type="checkbox"/> Social gathering (e.g. birthday party, graduation party, wedding, funerals, etc.)</div> <div><input type="checkbox"/> Community event/mass gathering (e.g. concert, rally, protest, parade, etc.)</div> <div><input type="checkbox"/> Sporting event or practice (as audience or player)</div> <div><input type="checkbox"/> Gym or exercise class</div> <div><input type="checkbox"/> Grocery store or retail</div> <div><input type="checkbox"/> Other Community exposure (e.g. nail/hair salon, spa, public beach/pool, etc.)</div> <div><input type="checkbox"/> Workplace outside of home other than types listed above (e.g. manufacturing, construction, office-building, etc.)</div> <div><input type="checkbox"/> Exposure to animal with confirmed or suspected COVID-19</div> <div><input type="checkbox"/> Other, (may include previously listed categories if more than 3 unique places were visited)</div> <div><input type="checkbox"/> None of the above</div> </div>	
Additional notes regarding exposure information: <div style="border: 1px solid black; height: 40px; margin-top: 5px;"></div>	

Example of fields that appear when a location is checked

Exposure Information - In the 14 days prior to illness onset (or positive test result), until the date of isolation, did the patient visit/attend any of the following? Check all that apply. If patient visited one location on multiple dates, only list the location once.

Date of 14 days prior to onset (or positive test collection date) (mm/dd/yyyy) Date of isolation (mm/dd/yyyy)

☐ LTC/SNF/assisted living/adult day care/group home

☐ Jail/prison/detention center

☐ Shelters/settings that provide services for people experiencing homelessness

☒ Healthcare (e.g. inpatient, outpatient, dental practices, dialysis, etc.)

Name (List unique facilities, locations, events, airlines, etc in a different row)	Location, address or best description (City, intersection, etc)	Date(s) attended: One or discrete (List all)	Note range if every day
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

☐ Primary or secondary school/College or university outside of home (e.g. classroom, dorms, boarding schools, before/after school programs, etc.)

☐ Childcare/Youth programs (e.g. daycares, day/overnight camps, extracurricular activities, sports programs, etc.)

☐ Agricultural/food processing/migrant camp (e.g. farm, meat packing, hatchery, etc.)

☐ Shared transportation (airplane, train, bus, etc)

☐ Restaurant/bar

Please Read: MDHHS has changed the process for how cases with airline travel during their infectious period are referred to the CDC Quarantine Station. Information is now collected through a MDSS data export, which means that the flight information must be in the correct fields in the MDSS Case Report Form.

- **Travel:**

- Although Travel questions are in the Exposure Section, which collects information on the 14 days before onset (or positive result date if asymptomatic), flight information for any international or domestic travel during the case's infectious period (**two days prior to onset or positive test result date**) is critical for referring cases to the CDC Quarantine Station for passenger contact tracing
- The following fields are **necessary** for a case to be identified during the data pull for referral to CDC:
 - 'Case is a high-risk referral' must be marked 'Yes' and 'High-risk referral reason' must be 'Travel on airplanes'

Case is a high-risk referral	High-risk referral reason:
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	Travel on airplanes

- 'Travel via airport/airline' must be marked 'Yes'
- Arriving and departing flight details must be filled in with the most complete detail available. Airline, Flight Number, and Flight Dates are required for the referral, although Flight Seat Number should also be collected if at all possible. If unable to recall any of these details, travelers may be able to find the information in their email or an airline app.

Travel via airport/airline			
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown			
If yes, Name of Airline	Flight Number	Flight Seat Number	Date of Flight (mm/dd/yyyy)
Delta	1234	15A	03/01/2021
Delta	4321	29B	03/05/2021

- Again, flight information must be entered into the correct fields on the case report form as the notes section are not captured in the data pull
- Travel by other mass conveyances (e.g., bus, train) should be documented in the case's notes tab

Travel to non-U.S. country? <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown			
If yes, list all travels to <u>non-U.S. countries</u>			
Country	Date of Arrival (mm/dd/yyyy)	Date of Departure (mm/dd/yyyy)	
<input type="text"/>	<input type="text"/>	<input type="text"/>	
<input type="text"/>	<input type="text"/>	<input type="text"/>	
<input type="text"/>	<input type="text"/>	<input type="text"/>	
<input type="text"/>	<input type="text"/>	<input type="text"/>	
Travel to states and U.S. cities outside of home state? <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown			
If yes, list all travels to <u>states and U.S. cities</u>			
U.S. States	U.S. Cities	Date of Arrival (mm/dd/yyyy)	Date of Departure (mm/dd/yyyy)
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Day or Overnight Travel within Michigan? <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown			
If yes, list all travels <u>within Michigan</u>			
Location	Date of Arrival (mm/dd/yyyy)	Date of Departure (mm/dd/yyyy)	
<input type="text"/>	<input type="text"/>	<input type="text"/>	
<input type="text"/>	<input type="text"/>	<input type="text"/>	
<input type="text"/>	<input type="text"/>	<input type="text"/>	
<input type="text"/>	<input type="text"/>	<input type="text"/>	
Travel on cruise ship or vessel as passenger or crew member <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown			
If yes, specify name of ship:	Port of call:	Dates of travel, From (mm/dd/yyyy)	To (mm/dd/yyyy)
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Travel via airport/airline <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown			
If yes, Name of Airline	Flight Number	Flight Seat Number	Date of Flight (mm/dd/yyyy)
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

- **High Risk Referral:** This section is important for referring cases from MDHHS Case Investigators back to the LHD. If a case has a high risk, select 'yes' along with the reason from the drop-down menu.

Case is a high-risk referral <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown		High-risk referral reason: <div> Congregate setting (dorm, jail, long term care, schools, foster care, etc.) Health care worker (nurses, EMT, etc.) Large groups (sports teams, weddings, large workplaces) School-aged children attending in-person classes Death Travel on airplanes Other </div>
Other reason for high-risk referral or additional information: <input type="text"/>		
Case is requesting a return to work letter <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown		
Case ID	First Name	Last Name

Vaccine History

- The Vaccine History section was added to the CRF in preparation for a COVID-19 vaccine. The section is to be used to document information for COVID-19 vaccine only, not other routine vaccinations.
- Note: vaccine information can be retrieved from the Michigan Care Improvement Registry (MCIR) if an exact match of last name, first name, and data of birth is found. This can be done through the button in the Notes Tab.
 - This information will autopopulate the Vaccine History Section of the CRF

Vaccine History				
Vaccinated? <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown				
Vaccination doses prior to illness onset: <input type="text"/>				
Was the patient vaccinated per ACIP Guidelines? <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown				
If not vaccinated per ACIP guidelines, what was the reason?				
<input type="radio"/> Foreign Visitor	<input type="radio"/> Immigrant	<input type="radio"/> Lab evidence of previous disease		
<input type="radio"/> MD diagnosis of previous disease	<input type="radio"/> Medical contraindication	<input type="radio"/> Missed opportunity in medical setting		
<input type="radio"/> Parent/Patient forgot to vaccinate	<input type="radio"/> Parent/Patient refusal	<input type="radio"/> Parent/patient report of previous disease		
<input type="radio"/> Parent/Patient unaware of recommendation	<input type="radio"/> Philosophical objection	<input type="radio"/> Religious exemption		
<input type="radio"/> Too Young	<input type="radio"/> Vaccine record incomplete/unavailable	<input type="radio"/> Unknown		
<input type="radio"/> Other, specify: <input type="text"/>				
Vaccine Type	Administered Date	Dose Number	Lot Number	Manufacturer
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Case Reporting	Address History	Demographics	Referrer	Lab Reports	Notes	Map	Audit	Person History
<p>Patient: locked by REIMINKS (BETHANY G. REIMINKS)</p> <p>New Note:</p> <div> <input type="text"/> <input type="button" value="Save Note"/> <input type="button" value="Help"/> </div> <p>Previous Comments (Ascending):</p> <div> <input type="text"/> </div> <p> <input type="button" value="MCIR Vaccine Retrieve"/> <input type="button" value="MCIR Vaccine Remove"/> <input type="button" value="Attach New Document"/> </p> <p> <input type="button" value="Cancel"/> <input type="button" value="Help"/> </p>								

Contact Information

Contact Information

- During interview assess if the case has the MI COVID Alert smart phone app
- If the case does have the app, follow the [MI COVID-Alert PIN generation instructions](#). Record the PIN number in the PIN number field (PIN numbers can be given verbally or emailed to the case)

Does the case have the MI COVID Alert smart phone app?	If yes, has a PIN been sent to the case?	If yes, PIN number:
<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	<input type="radio"/> Yes <input type="radio"/> Needs PIN <input type="radio"/> Refused PIN <input type="radio"/> Unknown	<input type="text"/>

- If a case has no close contacts or refuses to provide information, select the appropriate checkbox.
- Individual contacts may be listed in the CRF. The form allows for 25 contacts, but more may be added in increments of 5 (up to 50).
 - Name, phone number, relationship to case and county health department are required fields.
 - While 'last contact date' is not required, this information is vital to contact tracing and follow-up
 - If contact lives or works in a high-risk setting, select appropriate option in the drop-down menu
 - Refer to Traceforce Contact Tracing Guidance Documents for additional information.
 - If the contact's age is not given by case, then the Is Minor question becomes a required field. Form changes will not be allowed to save until this question is answered.
 - Guardian information is required if the case is a minor

<input type="checkbox"/> Subject has no close contacts		<input type="checkbox"/> Subject refused to provide contacts	
Name of Contact* (First Last Middle)		Phone Number*	Phone Type
First Name	Last Name	Phone Number	Phone Type
Middle Name		Onset Date	Age (Yrs)
		Onset Date	Age
Relationship to Case*	Last Contact Date	Does Contact live or work in a high-risk setting?	Symptomatic?
Relationship to Case	Last Contact Date	Does Contact live or work in a high-risk setting?	Symptomatic?
Gender	Guardian Name (First Last)	County Health Department*	County Health Department
Gender	G. First Name	Email	
Is Minor <input type="radio"/> Yes <input type="radio"/> No	G. Last Name	Email	
	Notes		
	Notes	<input type="checkbox"/> Critical infrastructure worker	
First Name	Last Name	Phone Number	Phone Type
Middle Name		Onset Date	Age
		Onset Date	Age
Relationship to Case	Last Contact Date	Does Contact live or work in a high-risk setting?	Symptomatic?
Relationship to Case	Last Contact Date	Does Contact live or work in a high-risk setting?	Symptomatic?
Gender	Guardian Name (First Last)	County Health Department	County Health Department
Gender	G. First Name	Email	
Is Minor <input type="radio"/> Yes <input type="radio"/> No	G. Last Name	Email	
	Notes		
	Notes	<input type="checkbox"/> Critical infrastructure worker	
First Name	Last Name	Phone Number	Phone Type
Middle Name		Onset Date	Age
		Onset Date	Age
Relationship to Case	Last Contact Date	Does Contact live or work in a high-risk setting?	Symptomatic?
Relationship to Case	Last Contact Date	Does Contact live or work in a high-risk setting?	Symptomatic?
Gender	Guardian Name (First Last)	County Health Department	County Health Department
Gender	G. First Name	Email	
Is Minor <input type="radio"/> Yes <input type="radio"/> No	G. Last Name	Email	
	Notes		
	Notes	<input type="checkbox"/> Critical infrastructure worker	
<input type="button" value="Add 5 more Contacts"/>			

Other Information

- **Local 1:** this field is available for Local Health Departments to assign and use at their own discretion. If you do not have a local use for that field, leave blank.
- **Date of first interview:** date that the investigator genuinely attempts outreach to the case.
- **Current interview status:** select status of interview (provides details to potential barriers of case follow-up)
- **Date of Interview:** Indicate date that the investigator has talked to case or proxy and was able to document some information in the case report form.

Other Information				
Local 1		Local 2		
Date of First Interview Attempt mm/dd/yyyy		Current Interview Status		
<input type="text"/> <input type="button" value="PB"/>		<input type="text"/>		
Name of Person Interviewed		Relationship to patient	Date of interview mm/dd/yyyy	
<input type="text"/>		<input type="text"/>	<input type="text"/> <input type="button" value="PB"/>	
Submitted by:	Date submitted mm/dd/yyyy	Health Department	Phone Number	Ext.
<input type="text"/>	<input type="text"/> <input type="button" value="PB"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Comments or Additional Information				
<input type="text"/>				

Becky Bennett

From: Michigan Health Alert Network <b706b36c-0005-3000-80c0-fceb55463ffe@notify.michiganhan.org>
Sent: Tuesday, March 16, 2021 4:23 PM
To: Adenike Shoyinka
Subject: Johnson and Johnson Orders Placed
Attachments: J and J - Janssen Orders Placed 3-15.pdf

Nike Shoyinka,

Good Afternoon,

We received an allocation Sunday evening (off-cadence) of Johnson and Johnson (Janssen) vaccine for 11,400 doses. Attached are the orders placed (7,500 ordered yesterday evening and this morning). 3900 doses were allocated to FQHCs and will be ordered once MPCA confirms shipment locations - This should occur tomorrow. We will send that order information once finalized for the FQHCs.

If you have any questions, please contact checcimms@michigan.gov.

--This message was sent to LPH EPC, HO, MD, LHD CD and Imms Roles, MDHHS CHECC staff, mailboxes and Leadership roles.--

You may respond by doing one of the following:

- Click the appropriate response in the following list of response options,
- Or, reply via email with your response option. Please note that you must include the number of your response option, such as **1**, in the body of your email in order for your response to be recorded.

Option# Response:

1. Message Received.

Thank you,
Michigan Health Alert Network

Anticipated Delivery: Wednesday or Thursday

7,000 doses ordered for MDOC

3900 doses pending for FQHCs (anticipated to order Wed, delivery date tbd)

[illegible]

3900 J&J for FQHCs, pending their confirmation for shipment sites
Anticipated to order on Wed 3/17

Becky Bennett

From: Christine Hendrickson
Sent: Wednesday, March 17, 2021 12:15 AM
To: Adenike Shoyinka
Subject: RE: Response from ICMCF
Attachments: Enrolled Providers-COVID Vaccine 20210125.xlsx

I just checked the list of enrolled providers-ICMCF is actually on it. In that case, would you be comfortable with giving them some of our J&J vaccine?

Thanks,

Christine

From: Adenike Shoyinka <AShoyinka@ingham.org>
Sent: Tuesday, March 16, 2021 6:44 PM
To: Christine Hendrickson <hep_hendrickson@ingham.org>
Subject: Re: Response from ICMCF

Thanks, I agree. We can't give them to store unless they are enrolled by the state as a provider. Yes, we can go there and provide the vaccine and document them into mcir ourselves.

Get Outlook for iOS

From: Christine Hendrickson <hep_hendrickson@ingham.org>
Sent: Tuesday, March 16, 2021 10:20:00 AM
To: Adenike Shoyinka <AShoyinka@ingham.org>
Subject: Response from ICMCF

Hello Dr. Shoyinka,

It appears they may have sent this email to you as well, but it's encrypted so I figured I would copy and paste here (see below). I'm guessing we could not give ICMCF the J&J vaccine to store (that would be redistribution-correct?), but as we discussed earlier-that we could have someone from ICHD come out with the J&J vaccine, ICMCF staff can do the vaccination, and someone from ICHD could bring back the form. Is that correct?

Thanks,

Christine

Hello Christine,

I had actually reached out on 2/8/21 prior to the HAN alert and Colleen stated she had forwarded it to someone who could answer my question. To this date I still have not had a response. I have a feeling I know the DPOA who reached out and they previously declined the vaccine. The UM was going to let her know I am still waiting

on options from ICHD, MDHHS, and continually following up with our pharmacy on when we can get the vaccine in house. My hope is now with the approved J & J vaccine- we could store and administer in house to new staff/ new residents/ and those residents and staff that previously elected not to.

If ICHD is able to help us with that we would definitely take the help.

Thank you for reaching out,

Sarah Jones RN, BSN, CDP, RAC-CT

Director of Nursing- Long Term Care & Memory Care

Tel: 517-381-6141

Fax: 517-381-6205

sjones@ingham-mcf.org

Becky Bennett

From: Michigan Health Alert Network <b72f5c30-0005-3000-80c0-fceb55463ffe@notify.michiganhan.org>
Sent: Friday, March 19, 2021 12:41 PM
To: Adenike Shoyinka
Subject: COVID-19 Vaccine Orders Placed 3-19-21
Attachments: J and J Email Notice - 3-19-21.docx; J and J- Janssen Orders Week 3-21-21.pdf; Moderna Email Notice - 3-19-21.docx; Moderna Orders Week 3-21-21.pdf; Pfizer Email Notice - 3-19-21.docx; Pfizer Email Notice 3-19-21 FEMA DO.docx; Pfizer Orders Week 3-21-21.pdf

Nike Shoyinka,

Good Afternoon,

Attached are the Pfizer, Moderna, and Johnson and Johnson (Janssen) vaccine orders placed today for shipment next week. Also attached are the mail merge email notices sent to each site with an order placed.

If you have questions, please email checcimms@michigan.gov.

--This message was sent to LPH EPC, HO, MD, LHD CD and Imms Roles, MDHHS CHECC staff, mailboxes and Leadership.--

You may respond by doing one of the following:

- Click the appropriate response in the following list of response options,
- Or, reply via email with your response option. Please note that you must include the number of your response option, such as 1, in the body of your email in order for your response to be recorded.

Option# Response:

1. Message Received.

Thank you,
Michigan Health Alert Network

J&J Vaccine Email Notice— 3-19-21

To: Email 1 and Email 2 in spreadsheet

SUBJECT: Notification of Johnson & Johnson (Janssen) Vaccine Order

MDHHS has submitted an order for distribution of the **Johnson & Johnson (Janssen) COVID-19 vaccine** for «Site Name».

Your facility will be receiving XXXXX total doses in the upcoming week. This is a **single-dose, refrigerated vaccine**.

These doses are anticipated to arrive either Monday or Tuesday. CDC has indicated that ancillary supplies should arrive at the same time as the vaccines. Ancillary kit component information is [available here](#).

Please always refer to the most up-to-date [MDHHS Vaccination Prioritization Guidance](#).

J&J Vaccine Key Points:

J&J resource page of our MDHHS Provider Guidance website: [Available here](#). Below are some key points to highlight as you anticipate a delivery:

Storage/Temperature Information: This vaccine is to be stored at **REFRIGERATED** temperatures (2°C to 8°C/36°F to 46°F). See these storage details below from the J&J [EUA Fact Sheet for Healthcare Providers](#). *Additional storage, dosage, preparation, administration, and prescribing information is also available in this EUA fact sheet.* This is administered as a **single-dose vaccine** (stored in 5-dose multi-dose vials).

1. Storage Prior to First Puncture of the Vaccine Vial

- Store unpunctured multi-dose vials of the Janssen COVID-19 Vaccine at 2°C to 8°C (36°F to 46°F) and protect from light. Do not store frozen.
- Unpunctured vials of Janssen COVID-19 Vaccine may be stored between 9°C to 25°C (47°F to 77°F) for up to 12 hours.
- The Janssen COVID-19 Vaccine is initially stored frozen by the manufacturer, then shipped at 2°C to 8°C (36°F to 46°F). If vaccine is still frozen upon receipt, thaw at 2°C to 8°C (36°F to 46°F). If needed immediately, thaw at room temperature (maximally 25°C/77°F). At room temperature (maximally 25°C/77°F), a carton of 10 vials will take approximately 2 hours to thaw, and an individual vial will take approximately 1 hour to thaw. Do not refreeze once thawed.

2. Storage After First Puncture of the Vaccine Vial

- After the first dose has been withdrawn, hold the vial between 2° to 8°C (36° to 46°F) for up to 6 hours or at room temperature (maximally 25°C/77°F) for up to 2 hours. Discard the vial if vaccine is not used within these times.

EUA Fact Sheet for Recipients: [Available here](#)

Expiration date lookup: [Available here](#)

Other Information:

VaccineFinder Requirement Reminder: All providers must report inventory each day to VaccineFinder, as required by CDC. For tip sheets and videos on using VaccineFinder, please visit <https://vaccinefinder.org/covid-provider-resources>.

- Contact Information for VaccineFinder Provider Support
 - eocevent522@cdc.gov for registration / email change help and for general COVID VaccineFinder inquiries, or
 - vaccinefinder@castlighthhealth.com for technical assistance with account log-in problems, password resets, file upload errors, etc.

Use of COVID-19 vaccine: Michigan is currently vaccinating individuals who are:

PHASE 1A: Paid and unpaid persons serving in health care settings who have the potential for direct or indirect exposure to patients or infectious materials and are unable to work from home, as well as residents in long-term care facilities.

PHASE 1B Group A and B only:

Group A: Persons 75 years of age or older not covered in Phase 1A. This includes those in a congregate setting that were not reached in Phase 1A.

Group B: Prioritized frontline workers whose work role has frequent or intense exposure, and, due to the nature of the work, are not able to maintain social distance. For example, a first responder may have to physically touch other people in their response, and a child care provider cannot maintain social distance from children when caring for their physical needs. The specific prioritized categories are:

- Pre-Kindergarten through high school teachers, support staff and child care workers who usually have direct contact with children
- First responders not covered in Phase 1A (e.g., firefighters, police, conservation officers, inspectors)
- Corrections workers (e.g., staff in prisons, jails, juvenile justice facilities)
- Workers in homeless shelters, congregate child care institutions, and adult and child protective services
- March 1, 2021: Frontline essential workers in the food processing and agricultural industries

PHASE 1C Group A ONLY: Individuals age 65 to 74 years. This includes those in congregate settings that were not reached in prior Phases.

March 8, 2021: People who are aged 50 and up with medical conditions and disabilities, as well as caregiver family members and guardians age 16 and older of children who have special health care needs (part of Phase 1C Groups B and C). This includes individuals in Phase 1B Group B who live in congregate settings (i.e., homeless shelters, jails, prisons)

March 22, 2021: people who are aged 50 and up (part of Phase 2), as well as vaccination of people aged 16 and up who have disabilities and/or medical conditions, as well as their caregiver family members and guardians.

April 5, 2021: all people aged 16 and up who were not previously eligible.

Coordination: Local health departments are responsible for oversight and implementation of the vaccine strategy within their jurisdictions. They play a crucial convening and coordination role in both the distribution and administration of vaccine.

Hospitals are being provided this vaccine to administer to individuals who are in Phase 1a and individuals who are aged 65 years or older (Phase 1b Group A and Phase 1c Group A). Any vaccinations of non-health care essential workers in Phase 1b Group B should be coordinated with the local health department. Other groups are not currently eligible for vaccination.)

Vaccine Transfer: The Covid-19 vaccine is a federal asset and requires proper accounting at provider, state and federal levels. Transfer of vaccine should be minimized, may only occur between Federally Enrolled COVID providers for the same use that the vaccine was originally allocated for, and must be made after review of the Federal COVID vaccine redistribution form by the state health department Immunization Program. The vaccine inventory can then be transferred within MCIR to the new provider

If an ordering provider is unable to use their allocated doses within the intended population in a reasonable time frame, they should reach out to the local health department they are located in to identify a partner who can make appropriate use of the vaccine and to coordinate the transfer. Each ordering provider is responsible for managing the need and timing for second dose. If you transfer doses you are responsible for assuring second doses are transferred to that provider as well.

Outreach: MDHHS is committed to ensuring that all Michiganders have equitable access to vaccines. Ordering providers can make use of the below table to identify zip codes and census tracts to focus outreach efforts (see attached SVI Outreach Zip Codes). The table includes the census tracts which are in the highest quartile for Social Vulnerability Index and their associated zip codes.

Reminders and Resources for Support:

- Please review our new MDHHS website [COVID-19 Vaccine Provider Guidance & Educational Resources](#). Save/bookmark this site as it will be updated frequently.
 - J&J-specific materials are available on this website and will be updated as additional guidance becomes available.

Sign up to Review Order Details and Receive Shipment Emails with Tracking IDs

- Distributors utilize the shipping hours as entered in your MCIR VFC Shipping tab. Please ensure your shipping hours and address correctly reflect your ability to receive orders. To check shipping information in your MCIR site (hours, address, etc.), please [utilize this tip sheet](#).
- Review this [tip sheet](#) to see how you can review order details and receive email notifications for shipments, including tracking IDs. This allows you to add “e-order contacts” to your MCIR site for this enhanced order review ability. These emails will come from mcir@michigan.gov. This guidance is also included on [our website](#), along with additional inventory support.

If you have questions, please email checcimms@michigan.gov.

Thank you.

County, ZIP and High-Risk Census Tracts	High-risk Tract, SVI Score (2014-18)	County, ZIP and High-Risk Census Tracts	High-risk Tract, SVI Score (2014-18)	County, ZIP and High-Risk Census Tracts	High-risk Tract, SVI Score (2014-18)
Allegan	0.82	Lake	0.87	Wayne	0.89
49010	0.88	49402	0.92	48125	0.80
26005031000	0.88	26085961200	0.92	26163572500	0.81
49423	0.77	49642	0.82	26163572900	0.79
26005032200	0.77	26085961100	0.82	48126	0.83
Arenac	0.77	Lenawee	0.93	26163573400	0.83
48658	0.77	49221	0.95	48127	0.77
26011970200	0.77	26091061301	0.99	26163571800	0.79
48659	0.77	26091061302	0.98	26163571900	0.76
26011970500	0.77	26091061400	0.87	48141	0.94
Baraga	0.77	26091061600	0.96	26163570400	0.98
49946	0.77	49248	0.87	26163570500	0.90
26013000200	0.77	26091061700	0.87	26163570600	0.93
Bay	0.82	Mackinac	0.83	26163570800	0.99
48706	0.80	49775	0.83	26163570900	0.89
26017280700	0.76	26097950500	0.83	26163571000	0.92
26017285800	0.84	Macomb	0.85	48146	0.77
48708	0.84	48015	0.84	26163577300	0.77
26017280900	0.76	26099268100	0.84	48174	0.81
26017286500	0.93	48021	0.79	26163585500	0.87
48732	0.82	26099258300	0.78	26163585700	0.76
26017285202	0.82	26099258400	0.80	48180	0.87
Berrien	0.88	48035	0.78	26163583200	0.76
49022	0.94	26099241500	0.79	26163584200	0.92
26021000300	0.93	26099242100	0.78	26163584600	0.92
26021000400	1.00	48036	0.85	48184	0.83
26021000500	0.91	26099240800	0.76	26163566500	0.85
26021000600	0.95	26099245000	0.94	26163566900	0.85
26021002000	0.82	48043	0.98	26163585600	0.80
26021002100	0.98	26099240000	1.00	48186	0.96
26021002200	1.00	26099247100	0.95	26163568500	0.96
26021002300	0.92	48045	0.76	48201	0.92
49038	0.77	26099241000	0.76	26163517500	0.91
26021002500	0.77	48051	0.78	26163521800	0.89
49098	0.82	26099222101	0.78	26163522500	0.95
26021010300	0.82	48066	0.86	48202	0.93
49107	0.76	26099255200	0.83	26163511200	0.94
26021020200	0.76	26099255700	0.83	26163511900	0.91
49111	0.77	26099256100	0.80	26163532400	0.95
26021010500	0.77	26099256600	0.97	48203	0.92

49120	0.86	48089	0.85	26163507800	0.98
26021020500	0.85	26099262600	0.77	26163507900	0.77
26021020700	0.96	26099264000	0.96	26163508000	0.96
26021020900	0.78	26099264200	0.81	26163508100	0.94
Branch	0.89	26099268400	0.85	26163511400	1.00
49030	0.79	48091	0.91	26163553000	0.89
26023951200	0.79	26099262400	0.99	26163553100	0.91
49036	0.94	26099262500	0.78	26163553200	0.80
26023951400	0.91	26099263200	0.95	26163553300	0.92
26023951600	0.97	26099263500	0.90	26163553400	0.99
Calhoun	0.90	26099263600	0.95	26163553800	0.90
49014	0.91	26099263800	0.89	48204	0.93
26025000600	0.94	48314	0.76	26163526500	0.98
26025002100	0.88	26099228100	0.76	26163527200	0.99
49015	0.91	Mason	0.76	26163530800	0.94
26025001300	0.97	49405	0.76	26163533500	0.94
26025001400	0.85	26105950600	0.76	26163533600	0.88
49016	0.96	Mecosta	0.85	26163534600	0.88
26025004100	0.96	49307	0.85	26163534700	0.89
49017	0.93	26107960500	0.85	48205	0.86
26025001100	0.93	Missaukee	0.83	26163500300	0.84
49037	0.91	49667	0.83	26163500400	0.88
26025000300	0.99	26113960100	0.83	26163503100	0.88
26025001000	0.96	Monroe	0.97	26163503400	0.88
26025002600	0.80	48161	0.97	26163503500	0.86
49068	0.76	26115831800	0.97	26163503600	0.90
26025004000	0.76	Montcalm	0.79	26163505200	0.79
49224	0.89	48809	0.81	48206	0.91
26025003300	0.97	26117971300	0.81	26163530900	0.99
26025003500	0.77	48812	0.76	26163531100	1.00
26025003600	0.93	26117970200	0.76	26163531400	0.85
Cass	0.89	48886	0.79	26163532200	0.90
49045	0.86	26117970400	0.79	26163533100	0.91
26027002000	0.86	Muskegon	0.91	26163533200	0.84
49047	0.93	49442	0.94	48207	0.89
26027002100	0.93	26121000100	0.86	26163516200	0.99
Cheboygan	0.89	26121000300	0.99	26163516300	0.90
49721	0.89	26121000500	0.98	26163516600	0.94
26031960300	0.89	49443	0.93	26163516700	0.83
Chippewa	0.80	26121004200	0.93	26163516800	0.85
49783	0.80	49444	0.90	26163518600	0.76
26033970200	0.84	26121000601	0.89	26163518800	0.87
26033970300	0.76	26121001200	0.86	26163518900	0.97

Clare	0.84	26121001300	0.91	48208	0.93
48617	0.75	26121002601	0.84	26163522000	0.98
26035000600	0.75	26121004300	1.00	26163522100	0.77
48625	0.86	49445	0.87	26163522200	0.97
26035000900	0.82	26121000401	0.96	26163522300	0.97
26035001000	0.88	26121001902	0.78	26163527300	0.98
26035001300	0.90	Newaygo	0.83	26163532600	0.86
Clinton	0.91	49337	0.89	26163533000	1.00
48906	0.91	26123970700	0.89	26163533300	0.90
26037010203	0.91	49412	0.80	48209	0.94
Crawford	0.82	26123970300	0.80	26163523400	0.93
49738	0.82	49413	0.75	26163524900	0.96
26039960300	0.82	26123970500	0.75	48210	0.89
Delta	0.86	49457	0.88	26163525400	0.97
49829	0.79	26123971200	0.88	26163526400	0.82
26041971000	0.79	Oakland	0.91	48211	0.94
49894	0.93	48033	0.90	26163518500	0.94
26041970800	0.93	26125160300	0.96	48212	0.91
Dickinson	0.79	26125161800	0.84	26163506500	0.83
49802	0.79	48076	0.85	26163507000	0.95
26043950600	0.79	26125160500	0.80	26163552100	0.96
Eaton	0.84	26125161400	0.90	48213	0.87
48813	0.84	48220	0.95	26163503900	0.86
26045020901	0.84	26125172500	0.95	26163504100	0.89
Genesee	0.87	48237	0.84	26163504200	0.87
48420	0.87	26125171600	0.87	26163504300	0.87
26049010110	0.85	26125172400	0.82	26163504400	0.79
26049012201	0.90	48326	0.94	26163504700	0.89
48433	0.78	26125141100	0.94	26163505400	0.84
26049010502	0.78	48328	0.86	26163505500	0.92
48457	0.82	26125144701	0.86	26163512100	0.94
26049012602	0.82	48334	0.86	26163515900	0.86
48458	0.86	26125166600	0.86	48214	0.90
26049010305	0.93	48336	0.76	26163513600	1.00
26049012310	0.84	26125167300	0.76	26163513900	0.92
26049012311	0.82	48340	0.94	26163514100	0.99
48501	0.85	26125141000	0.91	26163514200	0.93
26049002800	0.85	26125141200	0.99	26163514300	1.00
48503	0.91	26125141300	0.89	26163514500	0.77
26049001100	0.88	26125141500	0.98	26163515200	0.80
26049001400	0.92	48341	0.97	26163515300	0.93
26049002900	0.85	26125142000	0.99	26163515600	0.90

26049003200	0.94	26125142100	0.99	26163516000	0.81
26049013600	0.96	26125142300	0.96	48215	0.92
48504	0.85	26125142700	0.94	26163512300	0.99
26049000100	0.80	48342	0.93	26163512400	0.80
26049000300	0.83	26125141600	1.00	26163512600	0.93
26049000500	0.78	26125141700	0.96	26163512900	0.99
26049001200	0.92	26125142200	0.93	26163513200	0.90
26049010501	0.79	26125142400	0.84	48216	0.98
26049010812	1.00	Oceana	0.89	26163525000	0.98
48505	0.88	49420	0.96	48217	0.88
26049000200	0.92	26127010400	0.96	26163524700	0.88
26049000400	0.90	49452	0.81	26163524800	0.82
26049000600	0.79	26127010600	0.81	26163579300	0.94
26049000800	0.83	Ogemaw	0.81	48218	0.98
26049001000	0.87	48661	0.83	26163579500	0.98
26049001700	0.94	26129950500	0.83	48219	0.89
26049001800	0.81	48739	0.75	26163540600	0.79
26049002000	0.84	26129950100	0.75	26163540700	0.90
26049010304	0.98	48770	0.84	26163540900	0.80
48506	0.89	26129950900	0.84	26163541000	0.95
26049001900	0.93	Osceola	0.81	26163541100	0.79
26049002200	0.81	49338	0.83	26163541400	0.98
26049002300	0.92	26133970600	0.83	26163541500	0.95
26049002400	0.91	49631	0.75	26163541700	0.86
26049002600	0.85	26133970500	0.75	26163544200	0.97
26049003100	0.95	49639	0.89	48221	0.82
48507	0.87	26133970400	0.89	26163530100	0.78
26049003500	0.93	49665	0.77	26163538500	0.78
26049003800	0.93	26133970100	0.77	26163539000	0.86
26049010813	0.81	Oscoda	0.86	26163539100	0.85
26049010912	0.75	48621	0.82	48222	0.96
26049013500	0.92	26135970300	0.82	26163521100	0.96
48532	0.88	48647	0.90	48223	0.84
26049010811	0.88	26135970400	0.90	26163542500	0.77
26049010911	0.88	Otsego	0.90	26163542600	0.82
Gladwin	0.89	49734	0.90	26163543500	0.87
48612	0.89	26137950300	0.90	26163543800	0.87
26051000700	0.89	Presque Isle	0.83	26163543900	0.89
Grand Traverse	0.80	49765	0.83	26163554500	0.85
49685	0.80	26141950400	0.83	48224	0.87
26055551300	0.80	Roscommon	0.87	26163500900	0.86
Gratiot	0.87	48630	0.86	26163501100	0.82
48801	0.83	26143971000	0.86	26163501200	0.91

26057000500	0.83	48651	0.88	26163501300	0.89
48880	0.91	26143970300	0.88	26163501500	0.87
26057000300	0.91	Saginaw	0.91	48225	0.84
Hillsdale	0.78	48601	0.94	26163500700	0.84
49242	0.78	26145000100	0.86	48227	0.87
26059050500	0.79	26145000200	0.92	26163535200	0.80
26059050700	0.78	26145000800	0.90	26163535300	0.92
49250	0.77	26145000900	0.98	26163536600	0.79
26059050300	0.77	26145001000	0.98	26163536700	0.93
Houghton	0.75	26145011000	0.99	26163536900	0.90
49930	0.75	26145011500	0.96	26163537100	0.85
26061000600	0.75	48602	0.89	26163537300	0.97
Huron	0.81	26145001300	0.93	26163537600	0.97
48413	0.81	26145001500	0.81	26163537700	0.90
26063951000	0.81	26145001700	0.98	26163537800	0.81
Ingham	0.84	26145001800	0.95	26163542100	0.79
48910	0.96	26145001900	0.78	26163542200	0.85
26065005304	0.96	48603	0.85	26163542300	0.78
48911	0.82	26145010401	0.85	48228	0.92
26065003601	0.85	48605	0.94	26163535000	0.87
26065005303	0.79	26145000600	0.94	26163535100	0.99
48912	0.76	48607	0.94	26163535400	0.98
26065006500	0.76	26145000400	0.88	26163535700	0.87
48915	0.75	26145000700	1.00	26163545200	0.93
26065000600	0.75	48722	0.88	26163545300	0.99
48917	0.88	26145011600	0.88	26163546500	0.96
26065003500	0.88	48724	0.79	26163546600	0.92
48933	0.91	26145010800	0.79	26163546900	0.80
26065006600	0.91	Sanilac	0.80	48229	0.91
Ionia	0.76	48401	0.78	26163577000	0.92
48846	0.76	26151970900	0.78	26163579600	0.87
26067031600	0.76	48741	0.82	26163579700	0.86
Jackson	0.89	26151971000	0.82	26163579800	0.98
49201	0.90	Schoolcraft	0.83	48234	0.85
26075000200	0.97	49854	0.83	26163506300	0.91
26075000400	0.78	26153000300	0.83	26163506600	0.91
26075000600	0.94	Shiawassee	0.76	26163506800	0.83
26075006900	0.89	48867	0.76	26163506900	0.78
49202	0.85	26155030800	0.76	26163507100	0.83
26075000500	0.76	St. Clair	0.90	26163507400	0.83
26075005900	0.94	48014	0.81	26163507500	0.76
49203	0.90	26147657100	0.81	26163511000	1.00
26075001100	0.98	48060	0.91	48235	0.85

26075001200	0.80	26147620000	0.97	26163538700	0.86
26075001300	0.92	26147621000	0.90	26163539200	0.95
Kalamazoo	0.89	26147624000	0.98	26163539400	0.80
49001	0.94	26147625000	0.79	26163539500	0.88
26077001803	0.94	48061	0.98	26163539600	0.82
49003	0.93	26147636000	0.98	26163539700	0.84
26077001000	0.93	St. Joseph	0.87	26163540100	0.81
49004	0.82	49042	0.85	26163540200	0.87
26077000500	0.82	26149040300	0.92	26163540300	0.86
49007	0.88	26149041101	0.79	26163540400	0.87
26077000202	0.77	49091	0.91	26163540800	0.81
26077000300	0.97	26149040600	0.96	48236	0.89
26077000900	0.90	26149040800	0.85	26163501700	0.96
49019	0.83	49093	0.82	26163551300	0.82
26077001801	0.83	26149040400	0.82	48238	0.89
49048	0.92	Tuscola	0.90	26163530300	0.97
26077005501	0.92	48723	0.87	26163530400	0.87
Kalkaska	0.76	26157000600	0.87	26163530500	0.81
49676	0.76	48768	0.92	26163531600	0.89
26079950200	0.76	26157000900	0.92	26163531700	0.87
49680	0.76	Van Buren	0.87	26163531800	0.92
26079950300	0.76	49026	0.95	26163531900	0.88
Kent	0.90	26159012000	0.95	26163534200	0.91
49503	0.91	49063	0.83	26163536100	0.97
26081001101	0.81	26159010200	0.83	26163536300	0.86
26081003200	0.91	49098	0.81	26163536500	0.83
26081003600	1.00	26159011300	0.81	48240	0.77
49505	0.91	Washtenaw	0.83	26163554400	0.77
26081001102	0.91	48198	0.83	Wexford	0.79
49507	0.97	26161410700	0.78	49601	0.76
26081002800	0.99	26161410800	0.83	26165380800	0.76
26081003100	0.95	26161411900	0.86	49649	0.82
49512	0.87	26161412100	0.85	26165380100	0.82
26081004500	0.87				
49519	0.80				
26081013801	0.80				
49534	0.82				
26081002700	0.82				

Email for Pfizer Orders – FEMA

To: Email 1 and Email 2 in spreadsheet

SUBJECT: Notification of FEMA Pfizer Vaccine Order

MDHHS has submitted an order for distribution of the Pfizer vaccine for «Site Name». THIS IS A FEMA-SPECIFIC ORDER. These doses will be uploaded to your FEMA-Specific MCIR ID and must be documented as such. For these FEMA efforts, you will receive XXXXX total Pfizer doses in the upcoming week:

- XXXX are designated as FIRST doses
- XXXX are designated as SECOND doses

These doses are anticipated to arrive on Monday.

Ancillary supplies including diluent will arrive within 24 hours of vaccine delivery.

Other Information:

Please be sure to follow the most up-to-date MDHHS Vaccination Prioritization Guidance.

Dry Ice: If you do not have an ultra-cold freezer onsite, you will receive dry ice from the federal government only for your FIRST refresh of dry ice (within 24 hrs) if you need to utilize the thermal shipper for storage. For additional dry ice, see dry ice ordering process.

Temperature Updates for Pfizer Vaccine: On February 25, 2021, the U.S. Food and Drug Administration (FDA) announced that it is allowing undiluted frozen vials of Pfizer-BioNTech COVID-19 Vaccine to be transported and stored at conventional temperatures commonly found in pharmaceutical freezers (-25C to -15C; -13F to 5F) **for a period of two weeks**. This reflects an alternative to the recommended storage of undiluted vials in an ultra-low temperature freezer between -80C to -60C (-112F to -76F). In brief, undiluted vials maybe stored at the following temperature ranges:

- Between -80°C and -60°C (-112F to -76F) until the expiration date
- Between -25C and -15C (-13F to 5F) for up to two weeks
 - Note: These temperatures are within the appropriate range for routinely recommended vaccines, BUT the temperature range for this vaccine is tighter. If storing the vaccine in a freezer with routinely recommended vaccines, carefully adjust the freezer temperature to the temperature range for this vaccine.
- Between 2°C and 8°C (35°F to 46°F) for up to 120 hours (5 days)
- **These changes are further outlined in the FDA's Fact Sheet for Healthcare Providers Administering Vaccine (Vaccination Providers).**

VaccineFinder Requirement Reminder: All providers must report inventory each day to VaccineFinder, as required by CDC. For tip sheets and videos on using VaccineFinder, please visit <https://vaccinefinder.org/covid-provider-resources>.

- Contact Information for VaccineFinder Provider Support:
 - eocevent522@cdc.gov for registration / email change help and for general COVID VaccineFinder inquiries, or
 - vaccinefinder@castlighthhealth.com for technical assistance with account log-in problems, password resets, file upload errors, etc.

FIRST DOSES will no longer be ordered via requests. First dose orders have transitioned to allocation-based ordering only (order notifications will continue for both).

SECOND DOSES will no longer be ordered via requests. Second dose orders have transitioned to allocations based on previous first dose orders. For Pfizer, second dose orders will be sent 3 weeks after the first dose Pfizer order was placed. Second dose orders for Moderna doses 4 weeks after the first dose Moderna order was placed.

It is the responsibility of the ordering provider to ensure that second doses are not used for first doses and are available for timely second dose vaccination. **Please mark second dose vaccine packaging as SECOND DOSE ONLY to visually identified that these vaccines are reserved for second dose.** Ideally, these vaccines would be stored in a separate shelf or freezer/refrigerator. CDC is allocating exact numbers of second doses based on first doses distributed. If you have inadvertently used your second dose as first dose, you will need to make use of your existing first dose inventory to make up that lapse.

Use of vaccine: Michigan is currently vaccinating individuals who are:

PHASE 1A: Paid and unpaid persons serving in health care settings who have the potential for direct or indirect exposure to patients or infectious materials and are unable to work from home, as well as residents in long-term care facilities.

PHASE 1B Group A and B only:

Group A: Persons 75 years of age or older not covered in Phase 1A. This includes those in a congregate setting that were not reached in Phase 1A.

Group B: Prioritized frontline workers whose work role has frequent or intense exposure, and, due to the nature of the work, are not able to maintain social distance. For example, a first responder may have to physically touch other people in their response, and a child care provider cannot maintain social distance from children when caring for their physical needs. The specific prioritized categories are:

- Pre-Kindergarten through high school teachers, support staff and child care workers who usually have direct contact with children
- First responders not covered in Phase 1A (e.g., firefighters, police, conservation officers, inspectors)
- Corrections workers (e.g., staff in prisons, jails, juvenile justice facilities)

- Workers in homeless shelters, congregate child care institutions, and adult and child protective services
- March 1, 2021: Frontline essential workers in the food processing and agricultural industries

PHASE 1C GROUP 1A:

- Individuals age 65 to 74 years. This includes those in congregate settings that were not reached in prior Phases.

March 8, 2021: People who are aged 50 and up with medical conditions and disabilities, as well as caregiver family members and guardians age 16 and older of children who have special health care needs (part of Phase 1C Groups B and C). This includes individuals in Phase 1B Group B who live in congregate settings (i.e., homeless shelters, jails, prisons)

March 22, 2021: people who are aged 50 and up (part of Phase 2), as well as vaccination of people aged 16 and up who have disabilities and/or medical conditions, as well as their caregiver family members and guardians.

April 5, 2021: all people aged 16 and up who were not previously eligible.

Coordination: Local health departments are responsible for oversight and implementation of the vaccine strategy within their jurisdictions. They play a crucial convening and coordination role in both the distribution and administration of vaccine.

Hospitals are being provided this vaccine to administer to individuals who are in Phase 1a and individuals who are aged 65 years or older (Phase 1b Group A and Phase 1c Group A). Any vaccinations of non-health care essential workers in Phase 1b Group B should be coordinated with the local health department. Other groups are not currently eligible for vaccination.)

Vaccine Transfer: The Covid-19 vaccine is a federal asset and requires proper accounting at provider, state and federal levels. Transfer of vaccine should be minimized, may only occur between Federally Enrolled COVID providers for the same use that the vaccine was originally allocated for, and must be made after review of the Federal COVID vaccine redistribution form by the state health department Immunization Program. The vaccine inventory can then be transferred within MCIR to the new provider.

If an ordering provider is unable to use their allocated doses within the intended population in a reasonable time frame, they should reach out to the local health department they are located in to identify a partner who can make appropriate use of the vaccine and to coordinate the transfer. Each ordering provider is responsible for managing the need and timing for second dose. If you transfer doses you are responsible for assuring second doses are transferred to that provider as well.

Outreach: MDHHS is committed to ensuring that all Michiganders have equitable access to vaccines. Ordering providers can make use of the below table to identify zip codes and census tracts to focus outreach efforts (see attached SVI Outreach Zip Codes). The table includes the census tracts which are in the highest quartile for Social Vulnerability Index and their associated zip codes.

Reminders and Resources for Support:

- Please review our new MDHHS website [COVID-19 Vaccine Provider Guidance & Educational Resources](#). Save/bookmark this site as it will be updated frequently.
 - Pfizer-specific materials are available on this website
- **Distributors utilize the shipping hours as entered in your MCIR VFC Shipping tab.** Please ensure your shipping hours and address correctly reflect your ability to receive orders. To check shipping information in your MCIR site (hours, address, etc.), please [utilize this tip sheet](#).

Sign up to Review Order Details and Receive Shipment Emails with Tracking IDs

- Review this [tip sheet](#) to see how you can review order details and receive email notifications for shipments, including tracking IDs. This allows you to add “e-order contacts” to your MCIR site for this enhanced order review ability. These emails will come from mcir@michigan.gov. This guidance is also included on [our website](#), along with additional inventory support.

If you have questions, please email checcimms@michigan.gov.

Thank you.

County, ZIP and High-Risk Census Tracts	High-risk Tract, SVI Score (2014-18)	County, ZIP and High-Risk Census Tracts	High-risk Tract, SVI Score (2014-18)	County, ZIP and High-Risk Census Tracts	High-risk Tract, SVI Score (2014-18)
Allegan	0.82	Lake	0.87	Wayne	0.89
49010	0.88	49402	0.92	48125	0.80
26005031000	0.88	26085961200	0.92	26163572500	0.81
49423	0.77	49642	0.82	26163572900	0.79
26005032200	0.77	26085961100	0.82	48126	0.83
Arenac	0.77	Lenawee	0.93	26163573400	0.83
48658	0.77	49221	0.95	48127	0.77
26011970200	0.77	26091061301	0.99	26163571800	0.79
48659	0.77	26091061302	0.98	26163571900	0.76
26011970500	0.77	26091061400	0.87	48141	0.94
Baraga	0.77	26091061600	0.96	26163570400	0.98
49946	0.77	49248	0.87	26163570500	0.90
26013000200	0.77	26091061700	0.87	26163570600	0.93

Bay	0.82	Mackinac	0.83	26163570800	0.99
48706	0.80	49775	0.83	26163570900	0.89
26017280700	0.76	26097950500	0.83	26163571000	0.92
26017285800	0.84	Macomb	0.85	48146	0.77
48708	0.84	48015	0.84	26163577300	0.77
26017280900	0.76	26099268100	0.84	48174	0.81
26017286500	0.93	48021	0.79	26163585500	0.87
48732	0.82	26099258300	0.78	26163585700	0.76
26017285202	0.82	26099258400	0.80	48180	0.87
Berrien	0.88	48035	0.78	26163583200	0.76
49022	0.94	26099241500	0.79	26163584200	0.92
26021000300	0.93	26099242100	0.78	26163584600	0.92
26021000400	1.00	48036	0.85	48184	0.83
26021000500	0.91	26099240800	0.76	26163566500	0.85
26021000600	0.95	26099245000	0.94	26163566900	0.85
26021002000	0.82	48043	0.98	26163585600	0.80
26021002100	0.98	26099240000	1.00	48186	0.96
26021002200	1.00	26099247100	0.95	26163568500	0.96
26021002300	0.92	48045	0.76	48201	0.92
49038	0.77	26099241000	0.76	26163517500	0.91
26021002500	0.77	48051	0.78	26163521800	0.89
49098	0.82	26099222101	0.78	26163522500	0.95
26021010300	0.82	48066	0.86	48202	0.93
49107	0.76	26099255200	0.83	26163511200	0.94
26021020200	0.76	26099255700	0.83	26163511900	0.91
49111	0.77	26099256100	0.80	26163532400	0.95
26021010500	0.77	26099256600	0.97	48203	0.92
49120	0.86	48089	0.85	26163507800	0.98
26021020500	0.85	26099262600	0.77	26163507900	0.77
26021020700	0.96	26099264000	0.96	26163508000	0.96
26021020900	0.78	26099264200	0.81	26163508100	0.94
Branch	0.89	26099268400	0.85	26163511400	1.00
49030	0.79	48091	0.91	26163553000	0.89
26023951200	0.79	26099262400	0.99	26163553100	0.91
49036	0.94	26099262500	0.78	26163553200	0.80
26023951400	0.91	26099263200	0.95	26163553300	0.92
26023951600	0.97	26099263500	0.90	26163553400	0.99
Calhoun	0.90	26099263600	0.95	26163553800	0.90
49014	0.91	26099263800	0.89	48204	0.93
26025000600	0.94	48314	0.76	26163526500	0.98
26025002100	0.88	26099228100	0.76	26163527200	0.99
49015	0.91	Mason	0.76	26163530800	0.94
26025001300	0.97	49405	0.76	26163533500	0.94

26025001400	0.85	26105950600	0.76	26163533600	0.88
49016	0.96	Mecosta	0.85	26163534600	0.88
26025004100	0.96	49307	0.85	26163534700	0.89
49017	0.93	26107960500	0.85	48205	0.86
26025001100	0.93	Missaukee	0.83	26163500300	0.84
49037	0.91	49667	0.83	26163500400	0.88
26025000300	0.99	26113960100	0.83	26163503100	0.88
26025001000	0.96	Monroe	0.97	26163503400	0.88
26025002600	0.80	48161	0.97	26163503500	0.86
49068	0.76	26115831800	0.97	26163503600	0.90
26025004000	0.76	Montcalm	0.79	26163505200	0.79
49224	0.89	48809	0.81	48206	0.91
26025003300	0.97	26117971300	0.81	26163530900	0.99
26025003500	0.77	48812	0.76	26163531100	1.00
26025003600	0.93	26117970200	0.76	26163531400	0.85
Cass	0.89	48886	0.79	26163532200	0.90
49045	0.86	26117970400	0.79	26163533100	0.91
26027002000	0.86	Muskegon	0.91	26163533200	0.84
49047	0.93	49442	0.94	48207	0.89
26027002100	0.93	26121000100	0.86	26163516200	0.99
Cheboygan	0.89	26121000300	0.99	26163516300	0.90
49721	0.89	26121000500	0.98	26163516600	0.94
26031960300	0.89	49443	0.93	26163516700	0.83
Chippewa	0.80	26121004200	0.93	26163516800	0.85
49783	0.80	49444	0.90	26163518600	0.76
26033970200	0.84	26121000601	0.89	26163518800	0.87
26033970300	0.76	26121001200	0.86	26163518900	0.97
Clare	0.84	26121001300	0.91	48208	0.93
48617	0.75	26121002601	0.84	26163522000	0.98
26035000600	0.75	26121004300	1.00	26163522100	0.77
48625	0.86	49445	0.87	26163522200	0.97
26035000900	0.82	26121000401	0.96	26163522300	0.97
26035001000	0.88	26121001902	0.78	26163527300	0.98
26035001300	0.90	Newaygo	0.83	26163532600	0.86
Clinton	0.91	49337	0.89	26163533000	1.00
48906	0.91	26123970700	0.89	26163533300	0.90
26037010203	0.91	49412	0.80	48209	0.94
Crawford	0.82	26123970300	0.80	26163523400	0.93
49738	0.82	49413	0.75	26163524900	0.96
26039960300	0.82	26123970500	0.75	48210	0.89
Delta	0.86	49457	0.88	26163525400	0.97
49829	0.79	26123971200	0.88	26163526400	0.82

26041971000	0.79	Oakland	0.91	48211	0.94
49894	0.93	48033	0.90	26163518500	0.94
26041970800	0.93	26125160300	0.96	48212	0.91
Dickinson	0.79	26125161800	0.84	26163506500	0.83
49802	0.79	48076	0.85	26163507000	0.95
26043950600	0.79	26125160500	0.80	26163552100	0.96
Eaton	0.84	26125161400	0.90	48213	0.87
48813	0.84	48220	0.95	26163503900	0.86
26045020901	0.84	26125172500	0.95	26163504100	0.89
Genesee	0.87	48237	0.84	26163504200	0.87
48420	0.87	26125171600	0.87	26163504300	0.87
26049010110	0.85	26125172400	0.82	26163504400	0.79
26049012201	0.90	48326	0.94	26163504700	0.89
48433	0.78	26125141100	0.94	26163505400	0.84
26049010502	0.78	48328	0.86	26163505500	0.92
48457	0.82	26125144701	0.86	26163512100	0.94
26049012602	0.82	48334	0.86	26163515900	0.86
48458	0.86	26125166600	0.86	48214	0.90
26049010305	0.93	48336	0.76	26163513600	1.00
26049012310	0.84	26125167300	0.76	26163513900	0.92
26049012311	0.82	48340	0.94	26163514100	0.99
48501	0.85	26125141000	0.91	26163514200	0.93
26049002800	0.85	26125141200	0.99	26163514300	1.00
48503	0.91	26125141300	0.89	26163514500	0.77
26049001100	0.88	26125141500	0.98	26163515200	0.80
26049001400	0.92	48341	0.97	26163515300	0.93
26049002900	0.85	26125142000	0.99	26163515600	0.90
26049003200	0.94	26125142100	0.99	26163516000	0.81
26049013600	0.96	26125142300	0.96	48215	0.92
48504	0.85	26125142700	0.94	26163512300	0.99
26049000100	0.80	48342	0.93	26163512400	0.80
26049000300	0.83	26125141600	1.00	26163512600	0.93
26049000500	0.78	26125141700	0.96	26163512900	0.99
26049001200	0.92	26125142200	0.93	26163513200	0.90
26049010501	0.79	26125142400	0.84	48216	0.98
26049010812	1.00	Oceana	0.89	26163525000	0.98
48505	0.88	49420	0.96	48217	0.88
26049000200	0.92	26127010400	0.96	26163524700	0.88
26049000400	0.90	49452	0.81	26163524800	0.82
26049000600	0.79	26127010600	0.81	26163579300	0.94
26049000800	0.83	Ogemaw	0.81	48218	0.98
26049001000	0.87	48661	0.83	26163579500	0.98
26049001700	0.94	26129950500	0.83	48219	0.89

26049001800	0.81	48739	0.75	26163540600	0.79
26049002000	0.84	26129950100	0.75	26163540700	0.90
26049010304	0.98	48770	0.84	26163540900	0.80
48506	0.89	26129950900	0.84	26163541000	0.95
26049001900	0.93	Osceola	0.81	26163541100	0.79
26049002200	0.81	49338	0.83	26163541400	0.98
26049002300	0.92	26133970600	0.83	26163541500	0.95
26049002400	0.91	49631	0.75	26163541700	0.86
26049002600	0.85	26133970500	0.75	26163544200	0.97
26049003100	0.95	49639	0.89	48221	0.82
48507	0.87	26133970400	0.89	26163530100	0.78
26049003500	0.93	49665	0.77	26163538500	0.78
26049003800	0.93	26133970100	0.77	26163539000	0.86
26049010813	0.81	Oscoda	0.86	26163539100	0.85
26049010912	0.75	48621	0.82	48222	0.96
26049013500	0.92	26135970300	0.82	26163521100	0.96
48532	0.88	48647	0.90	48223	0.84
26049010811	0.88	26135970400	0.90	26163542500	0.77
26049010911	0.88	Otsego	0.90	26163542600	0.82
Gladwin	0.89	49734	0.90	26163543500	0.87
48612	0.89	26137950300	0.90	26163543800	0.87
26051000700	0.89	Presque Isle	0.83	26163543900	0.89
Grand Traverse	0.80	49765	0.83	26163554500	0.85
49685	0.80	26141950400	0.83	48224	0.87
26055551300	0.80	Roscommon	0.87	26163500900	0.86
Gratiot	0.87	48630	0.86	26163501100	0.82
48801	0.83	26143971000	0.86	26163501200	0.91
26057000500	0.83	48651	0.88	26163501300	0.89
48880	0.91	26143970300	0.88	26163501500	0.87
26057000300	0.91	Saginaw	0.91	48225	0.84
Hillsdale	0.78	48601	0.94	26163500700	0.84
49242	0.78	26145000100	0.86	48227	0.87
26059050500	0.79	26145000200	0.92	26163535200	0.80
26059050700	0.78	26145000800	0.90	26163535300	0.92
49250	0.77	26145000900	0.98	26163536600	0.79
26059050300	0.77	26145001000	0.98	26163536700	0.93
Houghton	0.75	26145011000	0.99	26163536900	0.90
49930	0.75	26145011500	0.96	26163537100	0.85
26061000600	0.75	48602	0.89	26163537300	0.97
Huron	0.81	26145001300	0.93	26163537600	0.97
48413	0.81	26145001500	0.81	26163537700	0.90
26063951000	0.81	26145001700	0.98	26163537800	0.81

Ingham	0.84	26145001800	0.95	26163542100	0.79
48910	0.96	26145001900	0.78	26163542200	0.85
26065005304	0.96	48603	0.85	26163542300	0.78
48911	0.82	26145010401	0.85	48228	0.92
26065003601	0.85	48605	0.94	26163535000	0.87
26065005303	0.79	26145000600	0.94	26163535100	0.99
48912	0.76	48607	0.94	26163535400	0.98
26065006500	0.76	26145000400	0.88	26163535700	0.87
48915	0.75	26145000700	1.00	26163545200	0.93
26065000600	0.75	48722	0.88	26163545300	0.99
48917	0.88	26145011600	0.88	26163546500	0.96
26065003500	0.88	48724	0.79	26163546600	0.92
48933	0.91	26145010800	0.79	26163546900	0.80
26065006600	0.91	Sanilac	0.80	48229	0.91
Ionia	0.76	48401	0.78	26163577000	0.92
48846	0.76	26151970900	0.78	26163579600	0.87
26067031600	0.76	48741	0.82	26163579700	0.86
Jackson	0.89	26151971000	0.82	26163579800	0.98
49201	0.90	Schoolcraft	0.83	48234	0.85
26075000200	0.97	49854	0.83	26163506300	0.91
26075000400	0.78	26153000300	0.83	26163506600	0.91
26075000600	0.94	Shiawassee	0.76	26163506800	0.83
26075006900	0.89	48867	0.76	26163506900	0.78
49202	0.85	26155030800	0.76	26163507100	0.83
26075000500	0.76	St. Clair	0.90	26163507400	0.83
26075005900	0.94	48014	0.81	26163507500	0.76
49203	0.90	26147657100	0.81	26163511000	1.00
26075001100	0.98	48060	0.91	48235	0.85
26075001200	0.80	26147620000	0.97	26163538700	0.86
26075001300	0.92	26147621000	0.90	26163539200	0.95
Kalamazoo	0.89	26147624000	0.98	26163539400	0.80
49001	0.94	26147625000	0.79	26163539500	0.88
26077001803	0.94	48061	0.98	26163539600	0.82
49003	0.93	26147636000	0.98	26163539700	0.84
26077001000	0.93	St. Joseph	0.87	26163540100	0.81
49004	0.82	49042	0.85	26163540200	0.87
26077000500	0.82	26149040300	0.92	26163540300	0.86
49007	0.88	26149041101	0.79	26163540400	0.87
26077000202	0.77	49091	0.91	26163540800	0.81
26077000300	0.97	26149040600	0.96	48236	0.89
26077000900	0.90	26149040800	0.85	26163501700	0.96
49019	0.83	49093	0.82	26163551300	0.82
26077001801	0.83	26149040400	0.82	48238	0.89

49048	0.92	Tuscola	0.90	26163530300	0.97
26077005501	0.92	48723	0.87	26163530400	0.87
Kalkaska	0.76	26157000600	0.87	26163530500	0.81
49676	0.76	48768	0.92	26163531600	0.89
26079950200	0.76	26157000900	0.92	26163531700	0.87
49680	0.76	Van Buren	0.87	26163531800	0.92
26079950300	0.76	49026	0.95	26163531900	0.88
Kent	0.90	26159012000	0.95	26163534200	0.91
49503	0.91	49063	0.83	26163536100	0.97
26081001101	0.81	26159010200	0.83	26163536300	0.86
26081003200	0.91	49098	0.81	26163536500	0.83
26081003600	1.00	26159011300	0.81	48240	0.77
49505	0.91	Washtenaw	0.83	26163554400	0.77
26081001102	0.91	48198	0.83	Wexford	0.79
49507	0.97	26161410700	0.78	49601	0.76
26081002800	0.99	26161410800	0.83	26165380800	0.76
26081003100	0.95	26161411900	0.86	49649	0.82
49512	0.87	26161412100	0.85	26165380100	0.82
26081004500	0.87				
49519	0.80				
26081013801	0.80				
49534	0.82				
26081002700	0.82				

Total: 11,400 doses (7,100 to MDOC, 4300 to LHD)

7100

Pharmacy (Walgreens)

5850 doses pending

Email for Moderna Orders – 3-19-21

To: Email 1 and Email 2 in spreadsheet

SUBJECT: Notification of Moderna Vaccine Order

MDHHS has submitted an order for distribution of the Moderna vaccine for «Site Name». Your facility will be receiving XXXXX total Moderna doses in the upcoming week:

- XXXX are designated as FIRST doses.
- XXXX are designated as SECOND doses.

These doses are anticipated to arrive either Monday or Tuesday.

Ancillary kits for Moderna vaccine will arrive within 24 hours of the vaccine.

Please always refer to the most up-to-date MDHHS Vaccination Prioritization Guidance.

Temperature reminder: Keep in mind that Moderna is stored at a *more narrow frozen temperature range than other routine frozen vaccines such as varicella-containing vaccines*, so please ensure your freezer is within the appropriate range: It is to be stored frozen between -25°C and -15°C (-13°F and 5°F). It can also be stored at refrigerated temperatures between 2°C and 8°C (36°F and 46°F) for up to 30 days before vials are punctured.

VaccineFinder Requirement Reminder: All providers must report inventory each day to VaccineFinder, as required by CDC. For tip sheets and videos on using VaccineFinder, please visit <https://vaccinefinder.org/covid-provider-resources>.

- Contact Information for VaccineFinder Provider Support
 - eocevent522@cdc.gov for registration / email change help and for general COVID VaccineFinder inquiries, or
 - vaccinefinder@castlighthealth.com for technical assistance with account log-in problems, password resets, file upload errors, etc.

FIRST DOSES will no longer be ordered via requests. First dose orders have transitioned to allocation-based ordering only (order notifications will continue for both).

SECOND DOSES will no longer be ordered via requests. Second dose orders have transitioned to allocations based on previous first dose orders. They will be ordered automatically for your site. For Pfizer, second dose orders will be sent 3 weeks after the first dose Pfizer order was placed. For Moderna, second dose orders will be sent 4 weeks after the first dose Moderna order was placed.

It is the responsibility of the ordering provider to ensure that second doses are not used for first doses and are available for timely second dose vaccination. **Please mark second dose vaccine**

packaging as **SECOND DOSE ONLY** to visually identified that these vaccines are reserved for second dose. Ideally, these vaccines would be stored in a separate shelf or freezer/refrigerator. CDC is allocating exact numbers of second doses based on first doses distributed. If you have inadvertently used your second dose as first dose, you will need to make use of your existing first dose inventory to make up that lapse.

Use of vaccine: Michigan is currently vaccinating individuals who are:

PHASE 1A: Paid and unpaid persons serving in health care settings who have the potential for direct or indirect exposure to patients or infectious materials and are unable to work from home, as well as residents in long-term care facilities.

PHASE 1B Group A and B only:

Group A: Persons 75 years of age or older not covered in Phase 1A. This includes those in a congregate setting that were not reached in Phase 1A.

Group B: Prioritized frontline workers whose work role has frequent or intense exposure, and, due to the nature of the work, are not able to maintain social distance. For example, a first responder may have to physically touch other people in their response, and a child care provider cannot maintain social distance from children when caring for their physical needs. The specific prioritized categories are:

- Pre-Kindergarten through high school teachers, support staff and child care workers who usually have direct contact with children
- First responders not covered in Phase 1A (e.g., firefighters, police, conservation officers, inspectors)
- Corrections workers (e.g., staff in prisons, jails, juvenile justice facilities)
- Workers in homeless shelters, congregate child care institutions, and adult and child protective services
- Beginning March 1, 2021: Frontline essential workers in the food processing and agricultural industries

PHASE 1C Group A: Individuals age 65 to 74 years. This includes those in congregate settings that were not reached in prior Phases.

March 8, 2021: People who are aged 50 and up with medical conditions and disabilities, as well as caregiver family members and guardians age 16 and older of children who have special health care needs (part of Phase 1C Groups B and C). This includes individuals in Phase 1B Group B who live in congregate settings (i.e., homeless shelters, jails, prisons)

March 22, 2021: people who are aged 50 and up (part of Phase 2), as well as vaccination of people aged 16 and up who have disabilities and/or medical conditions, as well as their caregiver family members and guardians.

April 5, 2021: all people aged 16 and up who were not previously eligible.

Coordination: Local health departments are responsible for oversight and implementation of the vaccine strategy within their jurisdictions. They play a crucial convening and coordination role in both the distribution and administration of vaccine.

Hospitals are being provided this vaccine to administer to individuals who are in Phase 1a and individuals who are aged 65 years or older (Phase 1b Group A and Phase 1c Group A). Any vaccinations of non-health care essential workers in Phase 1b Group B should be coordinated with the local health department. Other groups are not currently eligible for vaccination.)

Vaccine Transfer: The Covid-19 vaccine is a federal asset and requires proper accounting at provider, state and federal levels. Transfer of vaccine should be minimized, may only occur between Federally Enrolled COVID providers for the same use that the vaccine was originally allocated for, and must be made after review of the Federal COVID vaccine redistribution form by the state health department Immunization Program. The vaccine inventory can then be transferred within MCIR to the new provider.

If an ordering provider is unable to use their allocated doses within the intended population in a reasonable time frame, they should reach out to the local health department they are located in to identify a partner who can make appropriate use of the vaccine and to coordinate the transfer. Each ordering provider is responsible for managing the need and timing for second dose. If you transfer doses you are responsible for assuring second doses are transferred to that provider as well.

Outreach: MDHHS is committed to ensuring that all Michiganders have equitable access to vaccines. Ordering providers can make use of the below table to identify zip codes and census tracts to focus outreach efforts (see attached SVI Outreach Zip Codes). The table includes the census tracts which are in the highest quartile for Social Vulnerability Index and their associated zip codes.

Reminders and Resources for Support:

- Please review our new MDHHS website [COVID-19 Vaccine Provider Guidance & Educational Resources](#). Save/bookmark this site as it will be updated frequently.
 - Moderna-specific materials are available on this website
- **Distributors utilize the shipping hours as entered in your MCIR VFC Shipping tab.** Please ensure your shipping hours and address correctly reflect your ability to receive orders. To check shipping information in your MCIR site (hours, address, etc.), please [utilize this tip sheet](#).

Sign up to Review Order Details and [Receive Shipment Emails](#) with Tracking IDs

- Review this [tip sheet](#) to see how you can review order details and receive email notifications for shipments, including tracking IDs. This allows you to add “e-order contacts” to your MCIR site for this enhanced order review ability. These emails will come from mcir@michigan.gov. This guidance is also included on [our website](#), along with additional inventory support.

If you have questions, please email checcimms@michigan.gov.

Thank you.

County, ZIP and High-Risk Census Tracts	High-risk Tract, SVI Score (2014-18)	County, ZIP and High-Risk Census Tracts	High-risk Tract, SVI Score (2014-18)	County, ZIP and High-Risk Census Tracts	High-risk Tract, SVI Score (2014-18)
Allegan	0.82	Lake	0.87	Wayne	0.89
49010	0.88	49402	0.92	48125	0.80
26005031000	0.88	26085961200	0.92	26163572500	0.81
49423	0.77	49642	0.82	26163572900	0.79
26005032200	0.77	26085961100	0.82	48126	0.83
Arenac	0.77	Lenawee	0.93	26163573400	0.83
48658	0.77	49221	0.95	48127	0.77
26011970200	0.77	26091061301	0.99	26163571800	0.79
48659	0.77	26091061302	0.98	26163571900	0.76
26011970500	0.77	26091061400	0.87	48141	0.94
Baraga	0.77	26091061600	0.96	26163570400	0.98
49946	0.77	49248	0.87	26163570500	0.90
26013000200	0.77	26091061700	0.87	26163570600	0.93
Bay	0.82	Mackinac	0.83	26163570800	0.99
48706	0.80	49775	0.83	26163570900	0.89
26017280700	0.76	26097950500	0.83	26163571000	0.92
26017285800	0.84	Macomb	0.85	48146	0.77
48708	0.84	48015	0.84	26163577300	0.77
26017280900	0.76	26099268100	0.84	48174	0.81
26017286500	0.93	48021	0.79	26163585500	0.87
48732	0.82	26099258300	0.78	26163585700	0.76
26017285202	0.82	26099258400	0.80	48180	0.87
Berrien	0.88	48035	0.78	26163583200	0.76
49022	0.94	26099241500	0.79	26163584200	0.92
26021000300	0.93	26099242100	0.78	26163584600	0.92
26021000400	1.00	48036	0.85	48184	0.83
26021000500	0.91	26099240800	0.76	26163566500	0.85
26021000600	0.95	26099245000	0.94	26163566900	0.85
26021002000	0.82	48043	0.98	26163585600	0.80
26021002100	0.98	26099240000	1.00	48186	0.96
26021002200	1.00	26099247100	0.95	26163568500	0.96
26021002300	0.92	48045	0.76	48201	0.92
49038	0.77	26099241000	0.76	26163517500	0.91

26021002500	0.77	48051	0.78	26163521800	0.89
49098	0.82	26099222101	0.78	26163522500	0.95
26021010300	0.82	48066	0.86	48202	0.93
49107	0.76	26099255200	0.83	26163511200	0.94
26021020200	0.76	26099255700	0.83	26163511900	0.91
49111	0.77	26099256100	0.80	26163532400	0.95
26021010500	0.77	26099256600	0.97	48203	0.92
49120	0.86	48089	0.85	26163507800	0.98
26021020500	0.85	26099262600	0.77	26163507900	0.77
26021020700	0.96	26099264000	0.96	26163508000	0.96
26021020900	0.78	26099264200	0.81	26163508100	0.94
Branch	0.89	26099268400	0.85	26163511400	1.00
49030	0.79	48091	0.91	26163553000	0.89
26023951200	0.79	26099262400	0.99	26163553100	0.91
49036	0.94	26099262500	0.78	26163553200	0.80
26023951400	0.91	26099263200	0.95	26163553300	0.92
26023951600	0.97	26099263500	0.90	26163553400	0.99
Calhoun	0.90	26099263600	0.95	26163553800	0.90
49014	0.91	26099263800	0.89	48204	0.93
26025000600	0.94	48314	0.76	26163526500	0.98
26025002100	0.88	26099228100	0.76	26163527200	0.99
49015	0.91	Mason	0.76	26163530800	0.94
26025001300	0.97	49405	0.76	26163533500	0.94
26025001400	0.85	26105950600	0.76	26163533600	0.88
49016	0.96	Mecosta	0.85	26163534600	0.88
26025004100	0.96	49307	0.85	26163534700	0.89
49017	0.93	26107960500	0.85	48205	0.86
26025001100	0.93	Missaukee	0.83	26163500300	0.84
49037	0.91	49667	0.83	26163500400	0.88
26025000300	0.99	26113960100	0.83	26163503100	0.88
26025001000	0.96	Monroe	0.97	26163503400	0.88
26025002600	0.80	48161	0.97	26163503500	0.86
49068	0.76	26115831800	0.97	26163503600	0.90
26025004000	0.76	Montcalm	0.79	26163505200	0.79
49224	0.89	48809	0.81	48206	0.91
26025003300	0.97	26117971300	0.81	26163530900	0.99
26025003500	0.77	48812	0.76	26163531100	1.00
26025003600	0.93	26117970200	0.76	26163531400	0.85
Cass	0.89	48886	0.79	26163532200	0.90
49045	0.86	26117970400	0.79	26163533100	0.91
26027002000	0.86	Muskegon	0.91	26163533200	0.84
49047	0.93	49442	0.94	48207	0.89
26027002100	0.93	26121000100	0.86	26163516200	0.99

Cheboygan	0.89	26121000300	0.99	26163516300	0.90
49721	0.89	26121000500	0.98	26163516600	0.94
26031960300	0.89	49443	0.93	26163516700	0.83
Chippewa	0.80	26121004200	0.93	26163516800	0.85
49783	0.80	49444	0.90	26163518600	0.76
26033970200	0.84	26121000601	0.89	26163518800	0.87
26033970300	0.76	26121001200	0.86	26163518900	0.97
Clare	0.84	26121001300	0.91	48208	0.93
48617	0.75	26121002601	0.84	26163522000	0.98
26035000600	0.75	26121004300	1.00	26163522100	0.77
48625	0.86	49445	0.87	26163522200	0.97
26035000900	0.82	26121000401	0.96	26163522300	0.97
26035001000	0.88	26121001902	0.78	26163527300	0.98
26035001300	0.90	Newaygo	0.83	26163532600	0.86
Clinton	0.91	49337	0.89	26163533000	1.00
48906	0.91	26123970700	0.89	26163533300	0.90
26037010203	0.91	49412	0.80	48209	0.94
Crawford	0.82	26123970300	0.80	26163523400	0.93
49738	0.82	49413	0.75	26163524900	0.96
26039960300	0.82	26123970500	0.75	48210	0.89
Delta	0.86	49457	0.88	26163525400	0.97
49829	0.79	26123971200	0.88	26163526400	0.82
26041971000	0.79	Oakland	0.91	48211	0.94
49894	0.93	48033	0.90	26163518500	0.94
26041970800	0.93	26125160300	0.96	48212	0.91
Dickinson	0.79	26125161800	0.84	26163506500	0.83
49802	0.79	48076	0.85	26163507000	0.95
26043950600	0.79	26125160500	0.80	26163552100	0.96
Eaton	0.84	26125161400	0.90	48213	0.87
48813	0.84	48220	0.95	26163503900	0.86
26045020901	0.84	26125172500	0.95	26163504100	0.89
Genesee	0.87	48237	0.84	26163504200	0.87
48420	0.87	26125171600	0.87	26163504300	0.87
26049010110	0.85	26125172400	0.82	26163504400	0.79
26049012201	0.90	48326	0.94	26163504700	0.89
48433	0.78	26125141100	0.94	26163505400	0.84
26049010502	0.78	48328	0.86	26163505500	0.92
48457	0.82	26125144701	0.86	26163512100	0.94
26049012602	0.82	48334	0.86	26163515900	0.86
48458	0.86	26125166600	0.86	48214	0.90
26049010305	0.93	48336	0.76	26163513600	1.00
26049012310	0.84	26125167300	0.76	26163513900	0.92

26049012311	0.82	48340	0.94	26163514100	0.99
48501	0.85	26125141000	0.91	26163514200	0.93
26049002800	0.85	26125141200	0.99	26163514300	1.00
48503	0.91	26125141300	0.89	26163514500	0.77
26049001100	0.88	26125141500	0.98	26163515200	0.80
26049001400	0.92	48341	0.97	26163515300	0.93
26049002900	0.85	26125142000	0.99	26163515600	0.90
26049003200	0.94	26125142100	0.99	26163516000	0.81
26049013600	0.96	26125142300	0.96	48215	0.92
48504	0.85	26125142700	0.94	26163512300	0.99
26049000100	0.80	48342	0.93	26163512400	0.80
26049000300	0.83	26125141600	1.00	26163512600	0.93
26049000500	0.78	26125141700	0.96	26163512900	0.99
26049001200	0.92	26125142200	0.93	26163513200	0.90
26049010501	0.79	26125142400	0.84	48216	0.98
26049010812	1.00	Oceana	0.89	26163525000	0.98
48505	0.88	49420	0.96	48217	0.88
26049000200	0.92	26127010400	0.96	26163524700	0.88
26049000400	0.90	49452	0.81	26163524800	0.82
26049000600	0.79	26127010600	0.81	26163579300	0.94
26049000800	0.83	Ogemaw	0.81	48218	0.98
26049001000	0.87	48661	0.83	26163579500	0.98
26049001700	0.94	26129950500	0.83	48219	0.89
26049001800	0.81	48739	0.75	26163540600	0.79
26049002000	0.84	26129950100	0.75	26163540700	0.90
26049010304	0.98	48770	0.84	26163540900	0.80
48506	0.89	26129950900	0.84	26163541000	0.95
26049001900	0.93	Osceola	0.81	26163541100	0.79
26049002200	0.81	49338	0.83	26163541400	0.98
26049002300	0.92	26133970600	0.83	26163541500	0.95
26049002400	0.91	49631	0.75	26163541700	0.86
26049002600	0.85	26133970500	0.75	26163544200	0.97
26049003100	0.95	49639	0.89	48221	0.82
48507	0.87	26133970400	0.89	26163530100	0.78
26049003500	0.93	49665	0.77	26163538500	0.78
26049003800	0.93	26133970100	0.77	26163539000	0.86
26049010813	0.81	Oscoda	0.86	26163539100	0.85
26049010912	0.75	48621	0.82	48222	0.96
26049013500	0.92	26135970300	0.82	26163521100	0.96
48532	0.88	48647	0.90	48223	0.84
26049010811	0.88	26135970400	0.90	26163542500	0.77
26049010911	0.88	Otsego	0.90	26163542600	0.82
Gladwin	0.89	49734	0.90	26163543500	0.87

48612	0.89	26137950300	0.90	26163543800	0.87
26051000700	0.89	Presque Isle	0.83	26163543900	0.89
Grand Traverse	0.80	49765	0.83	26163554500	0.85
49685	0.80	26141950400	0.83	48224	0.87
26055551300	0.80	Roscommon	0.87	26163500900	0.86
Gratiot	0.87	48630	0.86	26163501100	0.82
48801	0.83	26143971000	0.86	26163501200	0.91
26057000500	0.83	48651	0.88	26163501300	0.89
48880	0.91	26143970300	0.88	26163501500	0.87
26057000300	0.91	Saginaw	0.91	48225	0.84
Hillsdale	0.78	48601	0.94	26163500700	0.84
49242	0.78	26145000100	0.86	48227	0.87
26059050500	0.79	26145000200	0.92	26163535200	0.80
26059050700	0.78	26145000800	0.90	26163535300	0.92
49250	0.77	26145000900	0.98	26163536600	0.79
26059050300	0.77	26145001000	0.98	26163536700	0.93
Houghton	0.75	26145011000	0.99	26163536900	0.90
49930	0.75	26145011500	0.96	26163537100	0.85
26061000600	0.75	48602	0.89	26163537300	0.97
Huron	0.81	26145001300	0.93	26163537600	0.97
48413	0.81	26145001500	0.81	26163537700	0.90
26063951000	0.81	26145001700	0.98	26163537800	0.81
Ingham	0.84	26145001800	0.95	26163542100	0.79
48910	0.96	26145001900	0.78	26163542200	0.85
26065005304	0.96	48603	0.85	26163542300	0.78
48911	0.82	26145010401	0.85	48228	0.92
26065003601	0.85	48605	0.94	26163535000	0.87
26065005303	0.79	26145000600	0.94	26163535100	0.99
48912	0.76	48607	0.94	26163535400	0.98
26065006500	0.76	26145000400	0.88	26163535700	0.87
48915	0.75	26145000700	1.00	26163545200	0.93
26065000600	0.75	48722	0.88	26163545300	0.99
48917	0.88	26145011600	0.88	26163546500	0.96
26065003500	0.88	48724	0.79	26163546600	0.92
48933	0.91	26145010800	0.79	26163546900	0.80
26065006600	0.91	Sanilac	0.80	48229	0.91
Ionia	0.76	48401	0.78	26163577000	0.92
48846	0.76	26151970900	0.78	26163579600	0.87
26067031600	0.76	48741	0.82	26163579700	0.86
Jackson	0.89	26151971000	0.82	26163579800	0.98
49201	0.90	Schoolcraft	0.83	48234	0.85
26075000200	0.97	49854	0.83	26163506300	0.91

26075000400	0.78	26153000300	0.83	26163506600	0.91
26075000600	0.94	Shiawassee	0.76	26163506800	0.83
26075006900	0.89	48867	0.76	26163506900	0.78
49202	0.85	26155030800	0.76	26163507100	0.83
26075000500	0.76	St. Clair	0.90	26163507400	0.83
26075005900	0.94	48014	0.81	26163507500	0.76
49203	0.90	26147657100	0.81	26163511000	1.00
26075001100	0.98	48060	0.91	48235	0.85
26075001200	0.80	26147620000	0.97	26163538700	0.86
26075001300	0.92	26147621000	0.90	26163539200	0.95
Kalamazoo	0.89	26147624000	0.98	26163539400	0.80
49001	0.94	26147625000	0.79	26163539500	0.88
26077001803	0.94	48061	0.98	26163539600	0.82
49003	0.93	26147636000	0.98	26163539700	0.84
26077001000	0.93	St. Joseph	0.87	26163540100	0.81
49004	0.82	49042	0.85	26163540200	0.87
26077000500	0.82	26149040300	0.92	26163540300	0.86
49007	0.88	26149041101	0.79	26163540400	0.87
26077000202	0.77	49091	0.91	26163540800	0.81
26077000300	0.97	26149040600	0.96	48236	0.89
26077000900	0.90	26149040800	0.85	26163501700	0.96
49019	0.83	49093	0.82	26163551300	0.82
26077001801	0.83	26149040400	0.82	48238	0.89
49048	0.92	Tuscola	0.90	26163530300	0.97
26077005501	0.92	48723	0.87	26163530400	0.87
Kalkaska	0.76	26157000600	0.87	26163530500	0.81
49676	0.76	48768	0.92	26163531600	0.89
26079950200	0.76	26157000900	0.92	26163531700	0.87
49680	0.76	Van Buren	0.87	26163531800	0.92
26079950300	0.76	49026	0.95	26163531900	0.88
Kent	0.90	26159012000	0.95	26163534200	0.91
49503	0.91	49063	0.83	26163536100	0.97
26081001101	0.81	26159010200	0.83	26163536300	0.86
26081003200	0.91	49098	0.81	26163536500	0.83
26081003600	1.00	26159011300	0.81	48240	0.77
49505	0.91	Washtenaw	0.83	26163554400	0.77
26081001102	0.91	48198	0.83	Wexford	0.79
49507	0.97	26161410700	0.78	49601	0.76
26081002800	0.99	26161410800	0.83	26165380800	0.76
26081003100	0.95	26161411900	0.86	49649	0.82
49512	0.87	26161412100	0.85	26165380100	0.82
26081004500	0.87				
49519	0.80				

26081013801	0.80
49534	0.82
26081002700	0.82

Walgreens 5700 Moderna Pending

Transfer to Federal Tribal Partnership/Indian Health Services

Total: 900 doses

Little River Band of Ottawa Indians- 100 doses

Little Traverse Bay Bands of Odawa Indians- 200 doses

Sault Ste. Marie Tribe of Chippewa Indians- 500 doses

Nottawaseppi Huron Band of the Potawatomi- 100 doses

Email for Pfizer Orders –updated 3-5-21

To: Email 1 and Email 2 in spreadsheet

SUBJECT: Notification of Pfizer Vaccine Order

MDHHS has submitted an order for distribution of the Pfizer vaccine for «Site Name». Your facility will be receiving XXXXX total Pfizer doses in the upcoming week:

- XXXX are designated as FIRST doses
- XXXX are designated as SECOND doses

These doses are anticipated to arrive on Monday.

Ancillary supplies including diluent will arrive within 24 hours of vaccine delivery.

Please be sure to follow the most up-to-date MDHHS Vaccination Prioritization Guidance.

Dry Ice: If you do not have an ultra-cold freezer onsite, you will receive dry ice from the federal government only for your FIRST refresh of dry ice (within 24 hrs) if you need to utilize the thermal shipper for storage. For additional dry ice, see dry ice ordering process.

Temperature Updates for Pfizer Vaccine: On February 25, 2021, the U.S. Food and Drug Administration (FDA) announced that it is allowing undiluted frozen vials of Pfizer-BioNTech COVID-19 Vaccine to be transported and stored at conventional temperatures commonly found in pharmaceutical freezers (-25C to -15C; -13F to 5F) **for a period of two weeks**. This reflects an **alternative to the recommended storage of undiluted vials in an ultra-low temperature freezer between -80C to -60C (-112F to -76F)**. In brief, undiluted vials may be stored at the following temperature ranges:

- Between -80°C and -60°C (-112F to -76F) until the expiration date
- Between -25C and -15C (-13F to 5F) for up to two weeks
 - Note: These temperatures are within the appropriate range for routinely recommended vaccines, BUT the temperature range for this vaccine is tighter. If storing the vaccine in a freezer with routinely recommended vaccines, carefully adjust the freezer temperature to the temperature range for this vaccine.
- Between 2°C and 8°C (35°F to 46°F) for up to 120 hours (5 days)
- **These changes are further outlined in the FDA's Fact Sheet for Healthcare Providers Administering Vaccine (Vaccination Providers).**

VaccineFinder Requirement Reminder: All providers must report inventory each day to VaccineFinder, as required by CDC. For tip sheets and videos on using VaccineFinder, please visit <https://vaccinefinder.org/covid-provider-resources>.

- Contact Information for VaccineFinder Provider Support:

- eocevent522@cdc.gov for registration / email change help and for general COVID VaccineFinder inquiries, or
- vaccinefinder@castlighthouse.com for technical assistance with account log-in problems, password resets, file upload errors, etc.

FIRST DOSES will no longer be ordered via requests. First dose orders have transitioned to allocation-based ordering only (order notifications will continue for both).

SECOND DOSES will no longer be ordered via requests. Second dose orders have transitioned to allocations based on previous first dose orders. For Pfizer, second dose orders will be sent 3 weeks after the first dose Pfizer order was placed. Second dose orders for Moderna doses 4 weeks after the first dose Moderna order was placed.

It is the responsibility of the ordering provider to ensure that second doses are not used for first doses and are available for timely second dose vaccination. **Please mark second dose vaccine packaging as SECOND DOSE ONLY to visually identify that these vaccines are reserved for second dose.** Ideally, these vaccines would be stored in a separate shelf or freezer/refrigerator. CDC is allocating exact numbers of second doses based on first doses distributed. If you have inadvertently used your second dose as first dose, you will need to make use of your existing first dose inventory to make up that lapse.

Use of vaccine: Michigan is currently vaccinating individuals who are:

PHASE 1A: Paid and unpaid persons serving in health care settings who have the potential for direct or indirect exposure to patients or infectious materials and are unable to work from home, as well as residents in long-term care facilities.

PHASE 1B Group A and B only:

Group A: Persons 75 years of age or older not covered in Phase 1A. This includes those in a congregate setting that were not reached in Phase 1A.

Group B: Prioritized frontline workers whose work role has frequent or intense exposure, and, due to the nature of the work, are not able to maintain social distance. For example, a first responder may have to physically touch other people in their response, and a child care provider cannot maintain social distance from children when caring for their physical needs. The specific prioritized categories are:

- Pre-Kindergarten through high school teachers, support staff and child care workers who usually have direct contact with children
- First responders not covered in Phase 1A (e.g., firefighters, police, conservation officers, inspectors)
- Corrections workers (e.g., staff in prisons, jails, juvenile justice facilities)
- Workers in homeless shelters, congregate child care institutions, and adult and child protective services
- March 1, 2021: Frontline essential workers in the food processing and agricultural industries

PHASE 1C GROUP 1A:

- Individuals age 65 to 74 years. This includes those in congregate settings that were not reached in prior Phases.

March 8, 2021: People who are aged 50 and up with medical conditions and disabilities, as well as caregiver family members and guardians age 16 and older of children who have special health care needs (part of Phase 1C Groups B and C). This includes individuals in Phase 1B Group B who live in congregate settings (i.e., homeless shelters, jails, prisons)

March 22, 2021: people who are aged 50 and up (part of Phase 2), as well as vaccination of people aged 16 and up who have disabilities and/or medical conditions, as well as their caregiver family members and guardians.

April 5, 2021: all people aged 16 and up who were not previously eligible.

Coordination: Local health departments are responsible for oversight and implementation of the vaccine strategy within their jurisdictions. They play a crucial convening and coordination role in both the distribution and administration of vaccine.

Hospitals are being provided this vaccine to administer to individuals who are in Phase 1a and individuals who are aged 65 years or older (Phase 1b Group A and Phase 1c Group A). Any vaccinations of non-health care essential workers in Phase 1b Group B should be coordinated with the local health department. Other groups are not currently eligible for vaccination.)

Vaccine Transfer: The Covid-19 vaccine is a federal asset and requires proper accounting at provider, state and federal levels. Transfer of vaccine should be minimized, may only occur between Federally Enrolled COVID providers for the same use that the vaccine was originally allocated for, and must be made after review of the Federal COVID vaccine redistribution form by the state health department Immunization Program. The vaccine inventory can then be transferred within MCIR to the new provider.

If an ordering provider is unable to use their allocated doses within the intended population in a reasonable time frame, they should reach out to the local health department they are located in to identify a partner who can make appropriate use of the vaccine and to coordinate the transfer. Each ordering provider is responsible for managing the need and timing for second dose. If you transfer doses you are responsible for assuring second doses are transferred to that provider as well.

Outreach: MDHHS is committed to ensuring that all Michiganders have equitable access to vaccines. Ordering providers can make use of the below table to identify zip codes and census tracts to focus outreach efforts (see attached SVI Outreach Zip Codes). The table includes the census tracts which are in the highest quartile for Social Vulnerability Index and their associated zip codes.

Reminders and Resources for Support:

- Please review our new MDHHS website [COVID-19 Vaccine Provider Guidance & Educational Resources](#). Save/bookmark this site as it will be updated frequently.
 - **Pfizer-specific materials are available on this website**
- **Distributors utilize the shipping hours as entered in your MCIR VFC Shipping tab.** Please ensure your shipping hours and address correctly reflect your ability to receive orders. To check shipping information in your MCIR site (hours, address, etc.), please [utilize this tip sheet](#).

Sign up to Review Order Details and [Receive Shipment Emails](#) with Tracking IDs

- Review this [tip sheet](#) to see how you can review order details and receive email notifications for shipments, including tracking IDs. This allows you to add “e-order contacts” to your MCIR site for this enhanced order review ability. These emails will come from mcir@michigan.gov. This guidance is also included on [our website](#), along with additional inventory support.

If you have questions, please email checcimms@michigan.gov.

Thank you.

County, ZIP and High-Risk Census Tracts	High-risk Tract, SVI Score (2014-18)	County, ZIP and High-Risk Census Tracts	High-risk Tract, SVI Score (2014-18)	County, ZIP and High-Risk Census Tracts	High-risk Tract, SVI Score (2014-18)
Allegan	0.82	Lake	0.87	Wayne	0.89
49010	0.88	49402	0.92	48125	0.80
26005031000	0.88	26085961200	0.92	26163572500	0.81
49423	0.77	49642	0.82	26163572900	0.79
26005032200	0.77	26085961100	0.82	48126	0.83
Arenac	0.77	Lenawee	0.93	26163573400	0.83
48658	0.77	49221	0.95	48127	0.77
26011970200	0.77	26091061301	0.99	26163571800	0.79
48659	0.77	26091061302	0.98	26163571900	0.76
26011970500	0.77	26091061400	0.87	48141	0.94
Baraga	0.77	26091061600	0.96	26163570400	0.98
49946	0.77	49248	0.87	26163570500	0.90
26013000200	0.77	26091061700	0.87	26163570600	0.93
Bay	0.82	Mackinac	0.83	26163570800	0.99
48706	0.80	49775	0.83	26163570900	0.89
26017280700	0.76	26097950500	0.83	26163571000	0.92
26017285800	0.84	Macomb	0.85	48146	0.77
48708	0.84	48015	0.84	26163577300	0.77
26017280900	0.76	26099268100	0.84	48174	0.81

26017286500	0.93	48021	0.79	26163585500	0.87
48732	0.82	26099258300	0.78	26163585700	0.76
26017285202	0.82	26099258400	0.80	48180	0.87
Berrien	0.88	48035	0.78	26163583200	0.76
49022	0.94	26099241500	0.79	26163584200	0.92
26021000300	0.93	26099242100	0.78	26163584600	0.92
26021000400	1.00	48036	0.85	48184	0.83
26021000500	0.91	26099240800	0.76	26163566500	0.85
26021000600	0.95	26099245000	0.94	26163566900	0.85
26021002000	0.82	48043	0.98	26163585600	0.80
26021002100	0.98	26099240000	1.00	48186	0.96
26021002200	1.00	26099247100	0.95	26163568500	0.96
26021002300	0.92	48045	0.76	48201	0.92
49038	0.77	26099241000	0.76	26163517500	0.91
26021002500	0.77	48051	0.78	26163521800	0.89
49098	0.82	26099222101	0.78	26163522500	0.95
26021010300	0.82	48066	0.86	48202	0.93
49107	0.76	26099255200	0.83	26163511200	0.94
26021020200	0.76	26099255700	0.83	26163511900	0.91
49111	0.77	26099256100	0.80	26163532400	0.95
26021010500	0.77	26099256600	0.97	48203	0.92
49120	0.86	48089	0.85	26163507800	0.98
26021020500	0.85	26099262600	0.77	26163507900	0.77
26021020700	0.96	26099264000	0.96	26163508000	0.96
26021020900	0.78	26099264200	0.81	26163508100	0.94
Branch	0.89	26099268400	0.85	26163511400	1.00
49030	0.79	48091	0.91	26163553000	0.89
26023951200	0.79	26099262400	0.99	26163553100	0.91
49036	0.94	26099262500	0.78	26163553200	0.80
26023951400	0.91	26099263200	0.95	26163553300	0.92
26023951600	0.97	26099263500	0.90	26163553400	0.99
Calhoun	0.90	26099263600	0.95	26163553800	0.90
49014	0.91	26099263800	0.89	48204	0.93
26025000600	0.94	48314	0.76	26163526500	0.98
26025002100	0.88	26099228100	0.76	26163527200	0.99
49015	0.91	Mason	0.76	26163530800	0.94
26025001300	0.97	49405	0.76	26163533500	0.94
26025001400	0.85	26105950600	0.76	26163533600	0.88
49016	0.96	Mecosta	0.85	26163534600	0.88
26025004100	0.96	49307	0.85	26163534700	0.89
49017	0.93	26107960500	0.85	48205	0.86
26025001100	0.93	Missaukee	0.83	26163500300	0.84
49037	0.91	49667	0.83	26163500400	0.88

26025000300	0.99	26113960100	0.83	26163503100	0.88
26025001000	0.96	Monroe	0.97	26163503400	0.88
26025002600	0.80	48161	0.97	26163503500	0.86
49068	0.76	26115831800	0.97	26163503600	0.90
26025004000	0.76	Montcalm	0.79	26163505200	0.79
49224	0.89	48809	0.81	48206	0.91
26025003300	0.97	26117971300	0.81	26163530900	0.99
26025003500	0.77	48812	0.76	26163531100	1.00
26025003600	0.93	26117970200	0.76	26163531400	0.85
Cass	0.89	48886	0.79	26163532200	0.90
49045	0.86	26117970400	0.79	26163533100	0.91
26027002000	0.86	Muskegon	0.91	26163533200	0.84
49047	0.93	49442	0.94	48207	0.89
26027002100	0.93	26121000100	0.86	26163516200	0.99
Cheboygan	0.89	26121000300	0.99	26163516300	0.90
49721	0.89	26121000500	0.98	26163516600	0.94
26031960300	0.89	49443	0.93	26163516700	0.83
Chippewa	0.80	26121004200	0.93	26163516800	0.85
49783	0.80	49444	0.90	26163518600	0.76
26033970200	0.84	26121000601	0.89	26163518800	0.87
26033970300	0.76	26121001200	0.86	26163518900	0.97
Clare	0.84	26121001300	0.91	48208	0.93
48617	0.75	26121002601	0.84	26163522000	0.98
26035000600	0.75	26121004300	1.00	26163522100	0.77
48625	0.86	49445	0.87	26163522200	0.97
26035000900	0.82	26121000401	0.96	26163522300	0.97
26035001000	0.88	26121001902	0.78	26163527300	0.98
26035001300	0.90	Newaygo	0.83	26163532600	0.86
Clinton	0.91	49337	0.89	26163533000	1.00
48906	0.91	26123970700	0.89	26163533300	0.90
26037010203	0.91	49412	0.80	48209	0.94
Crawford	0.82	26123970300	0.80	26163523400	0.93
49738	0.82	49413	0.75	26163524900	0.96
26039960300	0.82	26123970500	0.75	48210	0.89
Delta	0.86	49457	0.88	26163525400	0.97
49829	0.79	26123971200	0.88	26163526400	0.82
26041971000	0.79	Oakland	0.91	48211	0.94
49894	0.93	48033	0.90	26163518500	0.94
26041970800	0.93	26125160300	0.96	48212	0.91
Dickinson	0.79	26125161800	0.84	26163506500	0.83
49802	0.79	48076	0.85	26163507000	0.95
26043950600	0.79	26125160500	0.80	26163552100	0.96

Eaton	0.84	26125161400	0.90	48213	0.87
48813	0.84	48220	0.95	26163503900	0.86
26045020901	0.84	26125172500	0.95	26163504100	0.89
Genesee	0.87	48237	0.84	26163504200	0.87
48420	0.87	26125171600	0.87	26163504300	0.87
26049010110	0.85	26125172400	0.82	26163504400	0.79
26049012201	0.90	48326	0.94	26163504700	0.89
48433	0.78	26125141100	0.94	26163505400	0.84
26049010502	0.78	48328	0.86	26163505500	0.92
48457	0.82	26125144701	0.86	26163512100	0.94
26049012602	0.82	48334	0.86	26163515900	0.86
48458	0.86	26125166600	0.86	48214	0.90
26049010305	0.93	48336	0.76	26163513600	1.00
26049012310	0.84	26125167300	0.76	26163513900	0.92
26049012311	0.82	48340	0.94	26163514100	0.99
48501	0.85	26125141000	0.91	26163514200	0.93
26049002800	0.85	26125141200	0.99	26163514300	1.00
48503	0.91	26125141300	0.89	26163514500	0.77
26049001100	0.88	26125141500	0.98	26163515200	0.80
26049001400	0.92	48341	0.97	26163515300	0.93
26049002900	0.85	26125142000	0.99	26163515600	0.90
26049003200	0.94	26125142100	0.99	26163516000	0.81
26049013600	0.96	26125142300	0.96	48215	0.92
48504	0.85	26125142700	0.94	26163512300	0.99
26049000100	0.80	48342	0.93	26163512400	0.80
26049000300	0.83	26125141600	1.00	26163512600	0.93
26049000500	0.78	26125141700	0.96	26163512900	0.99
26049001200	0.92	26125142200	0.93	26163513200	0.90
26049010501	0.79	26125142400	0.84	48216	0.98
26049010812	1.00	Oceana	0.89	26163525000	0.98
48505	0.88	49420	0.96	48217	0.88
26049000200	0.92	26127010400	0.96	26163524700	0.88
26049000400	0.90	49452	0.81	26163524800	0.82
26049000600	0.79	26127010600	0.81	26163579300	0.94
26049000800	0.83	Ogemaw	0.81	48218	0.98
26049001000	0.87	48661	0.83	26163579500	0.98
26049001700	0.94	26129950500	0.83	48219	0.89
26049001800	0.81	48739	0.75	26163540600	0.79
26049002000	0.84	26129950100	0.75	26163540700	0.90
26049010304	0.98	48770	0.84	26163540900	0.80
48506	0.89	26129950900	0.84	26163541000	0.95
26049001900	0.93	Osceola	0.81	26163541100	0.79
26049002200	0.81	49338	0.83	26163541400	0.98

26049002300	0.92	26133970600	0.83	26163541500	0.95
26049002400	0.91	49631	0.75	26163541700	0.86
26049002600	0.85	26133970500	0.75	26163544200	0.97
26049003100	0.95	49639	0.89	48221	0.82
48507	0.87	26133970400	0.89	26163530100	0.78
26049003500	0.93	49665	0.77	26163538500	0.78
26049003800	0.93	26133970100	0.77	26163539000	0.86
26049010813	0.81	Oscoda	0.86	26163539100	0.85
26049010912	0.75	48621	0.82	48222	0.96
26049013500	0.92	26135970300	0.82	26163521100	0.96
48532	0.88	48647	0.90	48223	0.84
26049010811	0.88	26135970400	0.90	26163542500	0.77
26049010911	0.88	Otsego	0.90	26163542600	0.82
Gladwin	0.89	49734	0.90	26163543500	0.87
48612	0.89	26137950300	0.90	26163543800	0.87
26051000700	0.89	Presque Isle	0.83	26163543900	0.89
Grand Traverse	0.80	49765	0.83	26163554500	0.85
49685	0.80	26141950400	0.83	48224	0.87
26055551300	0.80	Roscommon	0.87	26163500900	0.86
Gratiot	0.87	48630	0.86	26163501100	0.82
48801	0.83	26143971000	0.86	26163501200	0.91
26057000500	0.83	48651	0.88	26163501300	0.89
48880	0.91	26143970300	0.88	26163501500	0.87
26057000300	0.91	Saginaw	0.91	48225	0.84
Hillsdale	0.78	48601	0.94	26163500700	0.84
49242	0.78	26145000100	0.86	48227	0.87
26059050500	0.79	26145000200	0.92	26163535200	0.80
26059050700	0.78	26145000800	0.90	26163535300	0.92
49250	0.77	26145000900	0.98	26163536600	0.79
26059050300	0.77	26145001000	0.98	26163536700	0.93
Houghton	0.75	26145011000	0.99	26163536900	0.90
49930	0.75	26145011500	0.96	26163537100	0.85
26061000600	0.75	48602	0.89	26163537300	0.97
Huron	0.81	26145001300	0.93	26163537600	0.97
48413	0.81	26145001500	0.81	26163537700	0.90
26063951000	0.81	26145001700	0.98	26163537800	0.81
Ingham	0.84	26145001800	0.95	26163542100	0.79
48910	0.96	26145001900	0.78	26163542200	0.85
26065005304	0.96	48603	0.85	26163542300	0.78
48911	0.82	26145010401	0.85	48228	0.92
26065003601	0.85	48605	0.94	26163535000	0.87
26065005303	0.79	26145000600	0.94	26163535100	0.99

48912	0.76	48607	0.94	26163535400	0.98
26065006500	0.76	26145000400	0.88	26163535700	0.87
48915	0.75	26145000700	1.00	26163545200	0.93
26065000600	0.75	48722	0.88	26163545300	0.99
48917	0.88	26145011600	0.88	26163546500	0.96
26065003500	0.88	48724	0.79	26163546600	0.92
48933	0.91	26145010800	0.79	26163546900	0.80
26065006600	0.91	Sanilac	0.80	48229	0.91
Ionia	0.76	48401	0.78	26163577000	0.92
48846	0.76	26151970900	0.78	26163579600	0.87
26067031600	0.76	48741	0.82	26163579700	0.86
Jackson	0.89	26151971000	0.82	26163579800	0.98
49201	0.90	Schoolcraft	0.83	48234	0.85
26075000200	0.97	49854	0.83	26163506300	0.91
26075000400	0.78	26153000300	0.83	26163506600	0.91
26075000600	0.94	Shiawassee	0.76	26163506800	0.83
26075006900	0.89	48867	0.76	26163506900	0.78
49202	0.85	26155030800	0.76	26163507100	0.83
26075000500	0.76	St. Clair	0.90	26163507400	0.83
26075005900	0.94	48014	0.81	26163507500	0.76
49203	0.90	26147657100	0.81	26163511000	1.00
26075001100	0.98	48060	0.91	48235	0.85
26075001200	0.80	26147620000	0.97	26163538700	0.86
26075001300	0.92	26147621000	0.90	26163539200	0.95
Kalamazoo	0.89	26147624000	0.98	26163539400	0.80
49001	0.94	26147625000	0.79	26163539500	0.88
26077001803	0.94	48061	0.98	26163539600	0.82
49003	0.93	26147636000	0.98	26163539700	0.84
26077001000	0.93	St. Joseph	0.87	26163540100	0.81
49004	0.82	49042	0.85	26163540200	0.87
26077000500	0.82	26149040300	0.92	26163540300	0.86
49007	0.88	26149041101	0.79	26163540400	0.87
26077000202	0.77	49091	0.91	26163540800	0.81
26077000300	0.97	26149040600	0.96	48236	0.89
26077000900	0.90	26149040800	0.85	26163501700	0.96
49019	0.83	49093	0.82	26163551300	0.82
26077001801	0.83	26149040400	0.82	48238	0.89
49048	0.92	Tuscola	0.90	26163530300	0.97
26077005501	0.92	48723	0.87	26163530400	0.87
Kalkaska	0.76	26157000600	0.87	26163530500	0.81
49676	0.76	48768	0.92	26163531600	0.89
26079950200	0.76	26157000900	0.92	26163531700	0.87
49680	0.76	Van Buren	0.87	26163531800	0.92

26079950300	0.76	49026	0.95	26163531900	0.88
Kent	0.90	26159012000	0.95	26163534200	0.91
49503	0.91	49063	0.83	26163536100	0.97
26081001101	0.81	26159010200	0.83	26163536300	0.86
26081003200	0.91	49098	0.81	26163536500	0.83
26081003600	1.00	26159011300	0.81	48240	0.77
49505	0.91	Washtenaw	0.83	26163554400	0.77
26081001102	0.91	48198	0.83	Wexford	0.79
49507	0.97	26161410700	0.78	49601	0.76
26081002800	0.99	26161410800	0.83	26165380800	0.76
26081003100	0.95	26161411900	0.86	49649	0.82
49512	0.87	26161412100	0.85	26165380100	0.82
26081004500	0.87				
49519	0.80				
26081013801	0.80				
49534	0.82				
26081002700	0.82				

Becky Bennett

From: Mamou, Fatema (DHHS) <MamouF@michigan.gov>
Sent: Friday, March 19, 2021 1:25 PM
To: May, Christine; Aimee Keefer; kbowen@ioniacounty.org; cshaw; Adenike Shoyinka; Nethercott, Tori; Brummette, Brittini; Brinks, Laura
Subject: New Sequencing Results 3/19/21 - Additional B117 Variant Cases in Ionia

Hello –

MDHHS BOL has identified an additional B117 COVID-19 Variant case in Ionia County.



I added "VARB117" to the outbreak ID (this is a SKLD Ionia Employee and had an outbreak ID associated with that cluster). Additionally, the COVID-19 strain/variant field under the Epidemiology Section in the case report form has been updated to reflect that it is a Confirmed B.1.1.7 variant strain.

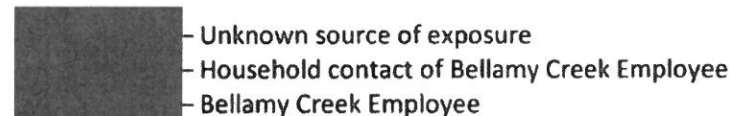
If you have any questions or if there is anything I can do please let me know.

Thank you!
Fatema

From: Mamou, Fatema (DHHS)
Sent: Thursday, March 11, 2021 5:05 PM
To: 'May, Christine' <cmay@ioniacounty.org>; Aimee Keefer <akeefer@ioniacounty.org>; kbowen@ioniacounty.org; cshaw@ioniacounty.org; Adenike Shoyinka (ashoyinka@ingham.org) <ashoyinka@ingham.org>; 'Nethercott, Tori' <tnethercott@ioniacounty.org>; 'Brummette, Brittini' <bbrummette@ioniacounty.org>; 'Brinks, Laura' <lbrinks@ioniacounty.org>
Subject: New Sequencing Results 3/11/21 - Additional B117 Variant Cases in Ionia
Importance: High

Hello –

MDHHS BOL has identified 3 additional B117 Variant cases in Ionia. The first one does not have any information in MDSS. It may be a community acquired case. The other two are related to the MDOC outbreak.



If you have any questions or if there is anything I can do please let me know.

Thank you!
Fatema

From: Mamou, Fatema (DHHS)

Sent: Tuesday, March 9, 2021 12:42 PM

To: May, Christine <cmay@ioniacounty.org>; Aimee Keefer <akeefer@ioniacounty.org>; kbowen@ioniacounty.org; cshaw@ioniacounty.org; Adenike Shoyinka (ashoyinka@ingham.org) <ashoyinka@ingham.org>; Nethercott, Tori <tnethercott@ioniacounty.org>; Brummette, Brittini <bbrummette@ioniacounty.org>; Brinks, Laura <lbrinks@ioniacounty.org>

Subject: Additional B117 Variant Case among Ionia MDOC Employee

Hello –

MDHHS BOL has identified 1 additional B117 variant case in Ionia. This case is among an MDOC employee.

 – MDOC Employee

Please let me know if you have any questions or if there is anything I can do.

Thank you!

Fatema

From: Mamou, Fatema (DHHS)

Sent: Friday, March 5, 2021 5:59 PM

To: May, Christine <cmay@ioniacounty.org>; Aimee Keefer <akeefer@ioniacounty.org>; kbowen@ioniacounty.org; cshaw@ioniacounty.org; Adenike Shoyinka (ashoyinka@ingham.org) <ashoyinka@ingham.org>; Nethercott, Tori <tnethercott@ioniacounty.org>; Brummette, Brittini <bbrummette@ioniacounty.org>; Brinks, Laura <lbrinks@ioniacounty.org>

Subject: Additional B117 Variant Cases among Ionia MDOC Employees and their Contacts

Hello –

MDHHS BOL has identified 3 additional B117 variant cases in Ionia through sequencing of specimens from MDOC employees and their contacts.

 MDOC Employee
 MDOC Employee
Wife of MDOC Employee, , whose specimen was not sequenced likely due to not enough virus present.

Please let me know if you have any questions or if there is anything I can do.

Thank you!

Fatema

Fatema Mamou, MPH

Region 6 Epidemiologist

Surveillance and Infectious Disease Epidemiology Section

Bureau of Epidemiology and Population Health, Michigan Department of Health and Human Services

Physical Address: Kent County Health Department, 700 Fuller Ave NE, Grand Rapids, MI 49503

Ph: 616-632-7245 - Cell: 517-204-6086 E-mail: mamouf@michigan.gov

**Due to COVID-19, I am working remotely. Please contact me via cell # or e-mail for the most prompt response.*

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prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy any and all copies of the original message."

Becky Bennett

From: May, Christine <cmay@ioniacounty.org>
Sent: Friday, March 19, 2021 1:26 PM
To: Mamou, Fatema (DHHS); Keefer, Aimee; Bowen, Ken; Shaw, Chad; Adenike Shoyinka; Nethercott, Tori; Brummette, Brittini; Brinks, Laura
Subject: RE: New Sequencing Results 3/19/21 - Additional B117 Variant Cases in Ionia

I WILL NOTIFY [REDACTED] DON.

Chris Simon May RN
Ionia County Health Department
Communicable Diseases
STD/HIV Clinic
Animal Bites/Exposures
Lead Poisoning
Ph: 616-900-9468
Fax: 616-527-8208
Email: cmay@ioniacounty.org
<https://ioniacounty.org/health/health-department/>

From: Mamou, Fatema (DHHS) <MamouF@michigan.gov>
Sent: Friday, March 19, 2021 1:25 PM
To: May, Christine <cmay@ioniacounty.org>; Keefer, Aimee <akeefer@ioniacounty.org>; Bowen, Ken <kbowen@ioniacounty.org>; Shaw, Chad <cshaw@ioniacounty.org>; Adenike Shoyinka <ashoyinka@ingham.org>; Nethercott, Tori <tnethercott@ioniacounty.org>; Brummette, Brittini <bbrummette@ioniacounty.org>; Brinks, Laura <lbrinks@ioniacounty.org>
Subject: New Sequencing Results 3/19/21 - Additional B117 Variant Cases in Ionia
Importance: High

Hello –

MDHHS BOL has identified an additional B117 COVID-19 Variant case in Ionia County.



I added "VARB117" to the outbreak ID (this is a SKLD Ionia Employee and had an outbreak ID associated with that cluster). Additionally, the COVID-19 strain/variant field under the Epidemiology Section in the case report form has been updated to reflect that it is a Confirmed B.1.1.7 variant strain.

If you have any questions or if there is anything I can do please let me know.

Thank you!
Fatema

From: Mamou, Fatema (DHHS)

Sent: Thursday, March 11, 2021 5:05 PM


To: 'May, Christine' <cmay@ioniacounty.org>; Aimee Keefer <akeefer@ioniacounty.org>; kbowen@ioniacounty.org; cshaw@ioniacounty.org; Adenike Shoyinka (ashoyinka@ingham.org) <ashoyinka@ingham.org>; 'Nethercott, Tori' <tnethercott@ioniacounty.org>; 'Brummette, Brittini' <bbrummette@ioniacounty.org>; 'Brinks, Laura' <lbrinks@ioniacounty.org>

Subject: New Sequencing Results 3/11/21 - Additional B117 Variant Cases in Ionia

Importance: High

Hello –

MDHHS BOL has identified 3 additional B117 Variant cases in Ionia. The first one does not have any information in MDSS. It may be a community acquired case. The other two are related to the MDOC outbreak.

 – Unknown source of exposure
– Household contact of Bellamy Creek Employee
– Bellamy Creek Employee

If you have any questions or if there is anything I can do please let me know.

Thank you!

Fatema

From: Mamou, Fatema (DHHS)


Sent: Tuesday, March 9, 2021 12:42 PM

To: May, Christine <cmay@ioniacounty.org>; Aimee Keefer <akeefer@ioniacounty.org>; kbowen@ioniacounty.org; cshaw@ioniacounty.org; Adenike Shoyinka (ashoyinka@ingham.org) <ashoyinka@ingham.org>; Nethercott, Tori <tnethercott@ioniacounty.org>; Brummette, Brittini <bbrummette@ioniacounty.org>; Brinks, Laura <lbrinks@ioniacounty.org>

Subject: Additional B117 Variant Case among Ionia MDOC Employee

Hello –

MDHHS BOL has identified 1 additional B117 variant case in Ionia. This case is among an MDOC employee.

 – MDOC Employee

Please let me know if you have any questions or if there is anything I can do.

Thank you!

Fatema

From: Mamou, Fatema (DHHS)

Sent: Friday, March 5, 2021 5:59 PM

To: May, Christine <cmay@ioniacounty.org>; Aimee Keefer <akeefer@ioniacounty.org>; kbowen@ioniacounty.org; cshaw@ioniacounty.org; Adenike Shoyinka (ashoyinka@ingham.org) <ashoyinka@ingham.org>; Nethercott, Tori <tnethercott@ioniacounty.org>; Brummette, Brittini <bbrummette@ioniacounty.org>; Brinks, Laura <lbrinks@ioniacounty.org>

Subject: Additional B117 Variant Cases among Ionia MDOC Employees and their Contacts

Hello –

MDHHS BOL has identified 3 additional B117 variant cases in Ionia through sequencing of specimens from MDOC employees and their contacts.

[REDACTED] – MDOC Employee
[REDACTED] – MDOC Employee
[REDACTED] – Wife of MDOC Employee, [REDACTED], whose specimen was not sequenced likely due to not enough virus present.

Please let me know if you have any questions or if there is anything I can do.

Thank you!

Fatema

Fatema Mamou, MPH
Region 6 Epidemiologist
Surveillance and Infectious Disease Epidemiology Section
Bureau of Epidemiology and Population Health, Michigan Department of Health and Human Services
Physical Address: Kent County Health Department, 700 Fuller Ave NE, Grand Rapids, MI 49503
Ph: 616-632-7245 - Cell: 517-204-6086 E-mail: mamouf@michigan.gov

**Due to COVID-19, I am working remotely. Please contact me via cell # or e-mail for the most prompt response.*

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Becky Bennett

From: Christine Hendrickson
Sent: Monday, March 22, 2021 3:26 PM
To: Linda Vail;Adenike Shoyinka;Joel Murr;Zekiye Salman;Brittany Moore
Subject: enrolled provider responses
Attachments: Enrolled Providers Tracking Sheet 20210308.xlsx

Good afternoon,

I emailed those on the enrolled providers list last Friday asking how many they much vaccine they could push out per week and I've attached the responses I've received so far.

Thank you,

Christine

Enrolled Provider

	Enrolled Provider	Phone	Email
	ALLERGY & ASTHMA CLINIC OF EAST LANSING PLLC	517-324-7020	KARISHA@EASTLANSINGALLERGY.ORG
	Apothecary Shop	517-482-0882	amanda@apothecaryshop.org
	Ascension Michigan Pharmacy - East Lansing	517-394-5019	rony.foumia@ascension.org
	Atlas Meds Pharmacy INC	517-580-0991	atlasmeds@gmail.com
	Bosworth Urgent Care PC	517-339-2100	drneffdo@redicareokemos.com
	Brightwell Behavioral Hospital	517-318-5889	edumlao-reedy@brightwellbehavioral.com
	Capital Internal Medicine Associates	517-374-7600	igorden@cimamed.com
	Care ATC Set Seg	517-676-5887	covid19vaccinations@careatc.com
	Care Free Medical Inc.	517-887-5922	fbhatti@carefreemedical.org
	Central Pharmacy - Williamston LLC	517-992-5101	centralpharmacywilliamston@gmail.com
	CENTRAL PHARMACY EAST LANSING	517-580-4216	centralpharmacy.el@gmail.com
	Corizon Health	517-827-3200	patricia.schmidt@corizonhealth.com
	County of Ingham	517-887-4474	jmurr@ingham.org
	Cristo Rey Community Center	517-371-1700	amartins@cristoreycommunity.org
	E. W. Sparrow Hospital	517-364-2931	todd.belding@sparrow.org
	Fresenius Kidney Care East Lansing	517-333-9400	clinic9275@fmc-na.com
	General Motors Lansing Grand River	248-310-2749	patrick.stover@gm.com
	Ingham County Health Department	517-887-4350	wridenour@ingham.org
	Ingham County Medical Care Facility	517-381-6100	sjones@ingham-mcf.org
	Jail Medical- Ingham County Sheriff Office	517-676-8659	kzurek@ingham.org
	L Robert McElmurry MD	517-487-0870	mcelmurrymd@sbcglobal.net
	Lansing Pediatric Associates	517-371-4712	Lansingpeds@hotmail.com
	Lansing Urgent Care PLC	517-999-2273	owners@gigogb.com
	McLaren Greater Lansing	517-975-7556	juli.hoppes@mlclaren.org
	McLaren Lansing -Employee Health Services	517-975-6000	chandan.gupte@mlclaren.org
	Michigan Air/Army National Guard	517-481-8000	ng.mi.miarng.mbx.joint-surgeon@mail.mil
	MSU Health Care	517-353-3776	silecchi@msu.edu
	Optimum Health Clinic	517-394-8589	cecilleglatz@comcast.net
	Pediatric Care of Lansing PC	517-487-4480	doripcl92@gmail.com

PGPA LLC	517-381-7472	lynnemadrian@gmail.com
Renal Care Group Lansing LLC	517-272-1380	clinic4895@fmc-na.com
SPARROW HEALTH SYSTEM	517-364-2931	mohamed.adawee@sparrow.org
Central Pharmacy-Patient Care Washtenaw Medical Pharmacy LLC	517-493-1000	kingabg@yahoo.com
98point6 Emergicenter	517-913-6711	info@986emergj.com

Doses/Wk

already administering a lot of vaccine; J&J vaccine would be easiest to receive
200
100
50
70-105
0 they have enough for inmates and staff; suggests ICHD partner w/mental health clinics
20-30/wk for first 6-8 weeks; then 10-20/wk
currently seeing 590-600 patients/day; expects they could administer 3,000-4,000 doses/wk across their 8 sites once it opens up April 5th
1500
only wants to do Janssen J&J vaccine right now

100; can't store Pfizer
1,300-2,000 Pfizer; if Moderna will need to do research
25

Becky Bennett

From: Linda Vail
Sent: Tuesday, March 23, 2021 12:11 PM
To: Adenike Shoyinka; Zekiye Salman
Cc: Brittany Moore; Joel Murr; Wendy Ridenour; Amanda Darche
Subject: RE: Appointments for the Week
Attachments: Tracking Sheet 20210308.xlsx

Also here is the updated spreadsheet to help us make sure that 2nd dose allocations match the appropriate 1st doses 3 or 4 weeks later. Wendy made a great decision on the MDOC doses as you will notice they did not allocate those 200 2nd doses to match the first (big red arrow). So what they did not use is now part of our inventory, and is split 50/50 first and second doses. Good catch, Wendy!!

Linda S. Vail, MPA
Health Officer
5303 S. Cedar Street • Lansing, MI 48909
P: 517-887-4311
Pronouns: She/Her/Hers



From: Linda Vail
Sent: Tuesday, March 23, 2021 10:45 AM
To: Adenike Shoyinka <AShoyinka@ingham.org>; Zekiye Salman <ZSalman@ingham.org>
Cc: Brittany Moore <BMoore@ingham.org>; Joel Murr <JMurr@ingham.org>; Wendy Ridenour <WRidenour@ingham.org>; Amanda Darche <ADarche@ingham.org>
Subject: RE: Appointments for the Week

So, in addition to this, we are redistributing 2340 Pfizer doses to LUC, correct?

Linda S. Vail, MPA
Health Officer
5303 S. Cedar Street • Lansing, MI 48909
P: 517-887-4311
Pronouns: She/Her/Hers



From: Adenike Shoyinka <AShoyinka@ingham.org>
Sent: Tuesday, March 23, 2021 10:35 AM
To: Zekiye Salman <ZSalman@ingham.org>
Cc: Linda Vail <LVail@ingham.org>; Brittany Moore <BMoore@ingham.org>; Joel Murr <JMurr@ingham.org>
Subject: Re: Appointments for the Week

Thanks!

Nike Shoyinka MD MPH
Medical Director
Ingham County Health Department

Please excuse any typos
Sent from my iPhone

On Mar 23, 2021, at 10:22 AM, Zekiye Salman <ZSalman@ingham.org> wrote:

Hi,

Here are updated appointments for this week:

Pfizer:

1st: 5,027 (Pavilion T-S)

2nd: 2,580 (Pavilion T-F, DR W)

Total: 7,607

Moderna:

1st: 1,260 (MDHHS grant events M-T || All grant doses administered)

2nd: 0

Total: 1,260

J&J:

280 (Fairgrounds on Sat)

90 at shelters

370 total

Total:

1st: 6,657 (including J&J)

2nd: 2,580

All: 9,237

I am finalizing a plan for next week.

From: Brittany Moore <BMoore@ingham.org>

Sent: Tuesday, March 23, 2021 10:11 AM

To: Zekiye Salman <ZSalman@ingham.org>

Subject: FW: Appointments for the Week

Importance: High

Good morning, Zekiye

Can you provide me with updated numbers for the data points that you share with Linda weekly? Per Linda, these numbers likely changed and she needs to provide an update today during her media briefing.

Thank you!

Brittany Moore

Deputy Health Officer - Administration

Office: (517) 887-4348 • Fax: (517) 887-4310

Cell: (517) 331-5649

Pronouns: She/Her/Hers



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From: Linda Vail <LVail@ingham.org>

Sent: Tuesday, March 23, 2021 10:10 AM

To: Brittany Moore <BMoore@ingham.org>

Subject: FW: Appointments for the Week

Linda S. Vail, MPA
Health Officer

5303 S. Cedar Street • Lansing, MI 48909

P: 517-887-4311

Pronouns: She/Her/Hers



Ingham County
Health Department

From: Zekiye Salman <ZSalman@ingham.org>

Sent: Sunday, March 21, 2021 5:16 PM

To: Linda Vail <LVail@ingham.org>; Wendy Ridenour <WRidenour@ingham.org>

Subject: Appointments for the Week

Hi,

Here are the appointments for the week.

Pfizer:

1st: 2,844 (Pavilion T-F) or 4,014 (w/ Regional Hub Event on 3/27)

2nd: 2,580 (Pavilion T-F, DR W)

Total: 5,424/6,594 (w/ Regional Hub)

Moderna:

1st: 1,260 (MDHHS grant events M-T)

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Total: 1,260

J&J:

280 (Fairgrounds on Sat)

Total:

1st: 4,384 (or 5,554 w/ Regional Hub Event)

2nd: 2,580

All: 6,964 (8,134 w/ Regional Hub Event)

Working on pulling together something for next week, with our increased allocation.

Zekiye Salman

(she, her, hers)

Ingham County Health Department

517-272-4111

Becky Bennett

From: Linda Vail
Sent: Tuesday, March 23, 2021 12:36 PM
To: Adenike Shoyinka; Zekiye Salman
Cc: Brittany Moore; Joel Murr; Wendy Ridenour; Amanda Darche
Subject: RE: Appointments for the Week
Attachments: Orders by Week ICHD.xlsx

Lol. Ignore the attachment. Wrong spreadsheet. Here is the correct one. I use this to double check our 2nd dose allocations each week when they come in.

Linda S. Vail, MPA
Health Officer

5303 S. Cedar Street • Lansing, MI 48909
P: 517-887-4311

Pronouns: She/Her/Hers



Ingham County
Health Department

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Ingham County
Health Department

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Ingham County
Health Department

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Importance: High

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**Ingham County
Health Department**



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Subject: FW: Appointments for the Week

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Health Officer

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**Ingham County
Health Department**

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Working on pulling together something for next week, with our increased allocation.

Zekiye Salman
(she, her, hers)
Ingham County Health Department
517-272-4111

Site Name	Pfizer TOTAL Doses Ordered	Pfizer FIRST Doses Ordered	Pfizer SECOND Doses Ordered	Moderna Total Doses Ordered	Moderna First Doses Ordered	Moderna SECOND Doses Ordered	Johnson & Doses Ordered	ALL TOTAL Doses Ordered	All First Doses Ordered	All SECOND Doses Ordered	All Single Dose Vaccine Ordered	Date	
Ingham County Health Department	975	975	0	0	0	0	0	975	975	0	0	12.15.20	email
Ingham County Health Department	975	975	0	0	0	0	0	975	975	0	0	12.27.20	email
Ingham County Health Department	1950	1950	0	0	0	0	0	1950	1950	0	0	1.3.21	spreadsheet attached
Ingham County Health Department	2925	1950	975	0	0	0	0	2925	1950	975	0	1.10.21	spreadsheet attached
Ingham County Health Department	975	0	975	1700	1700	0	0	2675	1700	975	0	1.17.21	975 for MING
Ingham County Health Department	4875	2925	1950	0	0	0	0	4875	2925	1950	0	1.24.21	spreadsheet attached
Ingham County Health Department	4875	2925	1950	1000	1000	0	0	5875	3925	1950	0	1.31.21	spreadsheet attached
Ingham County Health Department	2925	1950	975	500	500	0	0	3425	2450	975	0	2.5.21	spreadsheet attached
Ingham County Health Department	4875	1950	2925	1700	0	1700	0	6575	1950	4825	0	2.12.21	spreadsheet attached
Ingham County Health Department	7020	3510	3510	0	0	0	0	7020	3510	3510	0	2.19.21	
Ingham County Health Department	5940	3510	2430	1000	0	1000	2100	9240	3510	3430	2300	2.26.21/3.1.21	
Ingham County Health Department	4680	2340	2340	3000	2500	500	0	7680	4840	2840	0	3.5.21/3.8.21	
Ingham County Health Department	5850	2340	3510	800	800	0	0	6650	3140	3510	0	3.12.21	
Ingham County Health Department	3360	5850	3510	0	0	0	0	9360	5850	3510	0	3.19.21	
Ingham County Health Department	0	0	0	0	0	0	0	0	0	0	0	3.26.21	
Ingham County Health Department	0	0	0	0	0	0	0	0	0	0	0	4.2.21	
Ingham County Health Department	0	0	0	0	0	0	0	0	0	0	0	4.9.21	
Ingham County Health Department	0	0	0	0	0	0	0	0	0	0	0	4.16.21	
Ingham County Health Department	0	0	0	0	0	0	0	0	0	0	0	4.23.21	
Ingham County Health Department	0	0	0	0	0	0	0	0	0	0	0	4.30.21	
Ingham County Health Department	0	0	0	0	0	0	0	0	0	0	0	5.7.21	
Ingham County Health Department	0	0	0	0	0	0	0	0	0	0	0	5.14.21	
Ingham County Health Department	0	0	0	0	0	0	0	0	0	0	0	5.21.21	
Ingham County Health Department	0	0	0	0	0	0	0	0	0	0	0	5.28.21	
Ingham County Health Department	0	0	0	0	0	0	0	0	0	0	0	2.2.21	
Ingham County Health Department	58200	53150	25050	5940	200	0	2200	70400	39400	24750	2300		MDOC order

plus 2500 Moderna awarded for vulnerable populations project
1170 doses for regional redistribution

Becky Bennett

From: Bowen, Ken <kbowen@ioniacounty.org>
Sent: Wednesday, March 24, 2021 12:14 PM
To: Adenike Shoyinka; Mamou, Fatema (DHHS)
Subject: FW: FOIA - email search

FYI

From: Fox, Stephanie <sfox@ioniacounty.org>
Sent: Wednesday, March 24, 2021 11:13 AM
To: IT Group <itgroup@ioniacounty.org>
Cc: Bowen, Ken <kbowen@ioniacounty.org>
Subject: FOIA - email search

Good Morning,

We receive a FOIA request for the following:

All emails sent to, from or cc'd with Ken Bowen since February 18, 2021, including any of the non-case-sensitive keywords: "Bellamy"; "IBC"

Please search the emails as soon as possible.

Thank you,

Stephanie Fox
County Administrator
Ionia County
101 W. Main Street
Ionia, MI 48846
616-527-5300

Becky Bennett

From: Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>
Sent: Thursday, March 25, 2021 8:24 AM
To: Alex Bergmooser; Allison Kowalski; Amanda Rockol; Amber Irrer; Anne Hanis; Ashleigh Kolski; Brousseau, Geoffrey (DHHS-Contractor); bstoddard@mmdhd.org; Colleen Harns; Cynthia Tran; Dena Kent; Deneen Gallagher; Elaine Brown; Emma Harman; Hilary Pummill; Shelly Holtz; Jackie Anderson; Jamie Shepler; Jamie Wilkie; Jennifer Heslip; Jennifer J. Evans; Jennifer Johnson; Jennifer Mecomber; John Thottungal; Josi Rotunno; Kali Nichols; Karley McDonald; Kris Moyer; Wai Yi Leung; lharkness@shiawasseechd.net; Linda Weiman; lmikesell@mmdhd.org; Marji Nichols; Matthew Budd (mbudd@mijackson.org); Melissa Lautermilch; Mende Palmer; meredith.mackey@lenawee.mi.us; Melissa Endres; Natalie Johnson; Nicole Baran; Nicole Greenway (ngreenway@shiawasseechd.net); Nicole Moline; Nikki Karazim; Norm Keon; Patricia Raines; paula.ulrich; Rochelle Oshay; Samantha Soltis; Shajuana Tyson; Shymari Harris; Sierra Harns; Smoyer, Stephanie A. (MDOC); Sumeer Qurashi; Taylor Olsabeck; Teresa Spears; Theresa Enriquez; Tiffany Tyson; Tamara Jones; Tracy Payne (tpayne@mijackson.org); Wazhma Frotan; Whitnee Smith; Amy Worges; Wyki Pang; Yvonne Atwood; Colette Scrimger; Dennis Chernin; Dianne McCormick; Hackert, Pamela B.; J. Daniel Woodall; Jennifer Morse; Juan Marquez; Larry Johnson (Ljohnson@shiawasseechd.net); Lauren Vogell; Linda Vail; Marcus Cheatham; Martha Hall (martha.hall@lenawee.mi.us); Michael Foust; burnsr; Adenike Shoyinka; Debra Kubitskey
Subject: MDHHS MIS-C presentation
Attachments: Multisystem Inflammatory Syndrome in Children (MIS-C) LHD FINAL.pptx

Hi R1 CD,

The MDHHS MIS-C team put together a MIS-C powerpoint (attached) for state investigators and I thought it had some great info that you'd be interested in too.

If you have questions, feel to reach out to me and/or the MDHHS MIS-C team (their contact info is in the last slide of powerpoint).

Thanks,
Meghan

Meghan Weinberg, PhD, MPH
Epidemiologist - Region 1
Surveillance and Infectious Disease Epidemiology Section
Michigan Department of Health and Human Services
Cell: (517) 749-2153

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Becky Bennett

From: Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>
Sent: Thursday, March 25, 2021 10:27 AM
To: Alex Bergmooser; Allison Kowalski; Amanda Rockol; Amber Irrer; Anne Hanis; Ashleigh Kolski; Brousseau, Geoffrey (DHHS-Contractor); bstoddard@mmdhd.org; Colleen Harns; Cynthia Tran; Dena Kent; Deneen Gallagher; Elaine Brown; Emma Harman; Hilary Pummill; Shelly Holtz; Jackie Anderson; Jamie Shepler; Jamie Wilkie; Jennifer Heslip; Jennifer J. Evans; Jennifer Johnson; Jennifer Mecomber; John Thottungal; Josi Rotunno; Kali Nichols; Karley McDonald; Kris Moyer; Wai Yi Leung; lharkness@shiasmseechd.net; Linda Weiman; lmikesell@mmdhd.org; Marji Nichols; Matthew Budd (mbudd@mijackson.org); Melissa Lautermilch; Mende Palmer; meredith.mackey@lenawee.mi.us; Melissa Endres; Natalie Johnson; Nicole Baran; Nicole Greenway (ngreenway@shiasmseechd.net); Nicole Moline; Nikki Karazim; Norm Keon; Patricia Raines; paula.ulrich; Rochelle Oshay; Samantha Soltis; Shajuana Tyson; Shymari Harris; Sierra Harns; Smoyer, Stephanie A. (MDOC); Sumeer Qurashi; Taylor Olsabeck; Teresa Spears; Theresa Enriquez; Tiffany Tyson; Tamara Jones; Tracy Payne (tpayne@mijackson.org); Wazhma Frotan; Whitnee Smith; Amy Worges; Wyki Pang; Yvonne Atwood; Colette Scrimger; Debra Kubitskey; Dennis Chernin; Dianne McCormick; J. Daniel Woodall; Jennifer Morse; Juan Marquez; Larry Johnson (Ljohnson@shiasmseechd.net); Lauren Vogell; Linda Vail; Marcus Cheatham; Martha Hall (martha.hall@lenawee.mi.us); Michael Foust; burnsr; Adenike Shoyinka
Subject: FW: MDOC Antigen reporting for Visitors

FYI, MDOC will be allowing visitors starting March 26 (see below). All visitors age 2 years+ are required to be antigen tested and MDOC will report results to MDSS. It is part of MDOC's standard clearance process to obtain valid visitor address and contact info so these results should be routed to the appropriate LHD in MDSS based on their residence. Of note, in the MDSS lab tab, the ordering facility will say "MDOC VISITOR" – this will help us distinguish MDOC inmates vs employees vs visitors.

Please let me know of any questions.

Thanks,
Meghan

From: Smoyer, Stephanie A. (MDOC) <SmoyerS@michigan.gov>
Sent: Wednesday, March 24, 2021 9:05 PM
To: Lai, Joyce (DHHS) <laij@michigan.gov> Mamou, Fatema (DHHS) <MamouF@michigan.gov>; Parker-Strobe, Nicole (DHHS) <ParkerStrobeN@michigan.gov>; Perry, Melanie (DHHS) <PerryM12@michigan.gov>; Racine, Roger (DHHS) <RacineR@michigan.gov>; Reimink, Bethany (DHHS) <ReiminkB@michigan.gov>; Schreiber, Scott (DHHS) <SchreiberS@michigan.gov>; Weinberg, Meghan (DHHS) <WeinbergM1@michigan.gov>
Cc: Collins, Jim (DHHS) <CollinsJ12@michigan.gov>
Subject: MDOC Antigen reporting for Visitors

Good Evening everyone,

Just wanted to make everyone aware that the MDOC will be starting in person visits at prisons statewide on March 26. We will not allow visits at prisons that are under outbreak or prisoners housed quarantine units.

With that being said, screening and antigen testing of the visitors will be occurring prior to the visit upon arrival to the facility. I will follow the same process for reporting into MDSS via file share nightly. The spreadsheet will contain their personal information just like we currently upload for employees.

A separate spreadsheet will be uploaded containing only visitor testing. The ordering facility will state "MDOC VISITOR" that will be the identifier that these are members of the community that were tested by MDOC as a visitor. They will need to have follow up and case investigations completed by their local health department.

Please pass this information on to the local health departments in your region so they are aware of this.

There is also information regarding the in person visits on our website: <https://www.michigan.gov/corrections/0,4551,7-119--553652--,00.html>

Thank you!

Stephanie Smoyer RN
BHCS Infection Control Nurse
Michigan Department of Corrections
517-257-8471

Becky Bennett

From: Michigan Health Alert Network <eea33f32-0005-3000-80c0-fceb55463ffe@notify.michiganhan.org>
Sent: Friday, March 26, 2021 12:10 PM
To: Adenike Shoyinka
Subject: COVID-19 Vaccine Orders for the Week of 3-28-21
Attachments: J and J Email Notice - 3-26-21.docx; J _ J Janssen Orders Week 3-28-21.pdf; Moderna Email 3-26-21_Vulnerable P.docx; Moderna Email Notice 3-26-21.docx; Moderna Orders Week 3-28-21.pdf; Pfizer Email 3-26-21 FEMA DOSES.docx; Pfizer Email Order Notice - 3-26-21.docx; Pfizer Orders Week 3-28-21.pdf

Nike Shoyinka,

Good Afternoon,

Attached are the Pfizer, Moderna, and Johnson and Johnson (Janssen) vaccine orders for shipment next week. Also attached are the mail merge email notices sent to each site with an order placed.

IMPORTANT: Please review the Johnson and Johnson PDF in detail. CDC has split this order cap between 2 days. Therefore, the attached PDF indicates which J&J orders could be placed today for delivery Mon/Tues, as well as which J&J orders will be placed on Monday for delivery Tues/Wed.

If you have questions, please email checcimms@michigan.gov.

--This message was sent to LPH EPC, HO, MD, LHD CD and Imms Roles, MDHHS CHECC staff, mailboxes and Leadership roles.--

You may respond by doing one of the following:

- Click the appropriate response in the following list of response options,
- Or, reply via email with your response option. Please note that you must include the number of your response option, such as 1, in the body of your email in order for your response to be recorded.

Option# Response:

1. Message Received.

Thank you,
Michigan Health Alert Network

J&J Vaccine Email Notice— 3-26-21

To: Email 1 and Email 2 in spreadsheet

SUBJECT: Notification of Johnson & Johnson (Janssen) Vaccine Order

MDHHS has submitted an order for distribution of the **Johnson & Johnson (Janssen) COVID-19 vaccine** for «Site Name».

Your facility will be receiving XXXXX total doses in the upcoming week. This is a **single-dose, refrigerated vaccine**.

- These doses are anticipated to arrive either **Monday or Tuesday**.
- Ancillary supplies should arrive within 24 hours of the vaccine. Ancillary kit component information is [available here](#).

Please always refer to the most up-to-date **MDHHS Vaccination Prioritization Guidance**.

J&J Vaccine Key Points:

J&J resource page of our MDHHS Provider Guidance website: [Available here](#). Below are some key points to highlight as you anticipate a delivery:

Storage/Temperature Information: This vaccine is to be stored at **REFRIGERATED** temperatures (2°C to 8°C/36°F to 46°F). See these storage details below from the J&J [EUA Fact Sheet for Healthcare Providers](#). *Additional storage, dosage, preparation, administration, and prescribing information is also available in this EUA fact sheet.* This is administered as a **single-dose vaccine** (stored in 5-dose multi-dose vials).

1. Storage Prior to First Puncture of the Vaccine Vial

- Store unpunctured multi-dose vials of the Janssen COVID-19 Vaccine at 2°C to 8°C (36°F to 46°F) and protect from light. Do not store frozen.
- Unpunctured vials of Janssen COVID-19 Vaccine may be stored between 9°C to 25°C (47°F to 77°F) for up to 12 hours.
- The Janssen COVID-19 Vaccine is initially stored frozen by the manufacturer, then shipped at 2°C to 8°C (36°F to 46°F). If vaccine is still frozen upon receipt, thaw at 2°C to 8°C (36°F to 46°F). If needed immediately, thaw at room temperature (maximally 25°C/77°F). At room temperature (maximally 25°C/77°F), a carton of 10 vials will take approximately 2 hours to thaw, and an individual vial will take approximately 1 hour to thaw. Do not refreeze once thawed.

2. Storage After First Puncture of the Vaccine Vial

- After the first dose has been withdrawn, hold the vial between 2° to 8°C (36° to 46°F) for up to 6 hours or at room temperature (maximally 25°C/77°F) for up to 2 hours. Discard the vial if vaccine is not used within these times.

EUA Fact Sheet for Recipients: [Available here](#)

Expiration date lookup: [Available here](#)

Other Information:

VaccineFinder Requirement Reminder: All providers must report inventory each day to VaccineFinder, as required by CDC. For tip sheets and videos on using VaccineFinder, please visit <https://vaccinefinder.org/covid-provider-resources>.

- **Contact Information for VaccineFinder Provider Support**
 - eocevent522@cdc.gov for registration / email change help and for general COVID VaccineFinder inquiries, or
 - vaccinefinder@castlighthhealth.com for technical assistance with account log-in problems, password resets, file upload errors, etc.

Use of COVID-19 vaccine: Michigan is currently vaccinating individuals who are:

PHASE 1A: Paid and unpaid persons serving in health care settings who have the potential for direct or indirect exposure to patients or infectious materials and are unable to work from home, as well as residents in long-term care facilities.

PHASE 1B Group A and B only:

Group A: Persons 75 years of age or older not covered in Phase 1A. This includes those in a congregate setting that were not reached in Phase 1A.

Group B: Prioritized frontline workers whose work role has frequent or intense exposure, and, due to the nature of the work, are not able to maintain social distance. For example, a first responder may have to physically touch other people in their response, and a child care provider cannot maintain social distance from children when caring for their physical needs. The specific prioritized categories are:

- Pre-Kindergarten through high school teachers, support staff and child care workers who usually have direct contact with children
- First responders not covered in Phase 1A (e.g., firefighters, police, conservation officers, inspectors)
- Corrections workers (e.g., staff in prisons, jails, juvenile justice facilities)
- Workers in homeless shelters, congregate child care institutions, and adult and child protective services
- March 1, 2021: Frontline essential workers in the food processing and agricultural industries

PHASE 1C Group A ONLY: Individuals age 65 to 74 years. This includes those in congregate settings that were not reached in prior Phases.

March 8, 2021: People who are aged 50 and up with medical conditions and disabilities, as well as caregiver family members and guardians age 16 and older of children who have special health care needs (part of Phase 1C Groups B and C). This includes individuals in Phase 1B Group B who live in congregate settings (i.e., homeless shelters, jails, prisons)

March 22, 2021: people who are aged 50 and up (part of Phase 2), as well as vaccination of people aged 16 and up who have disabilities and/or medical conditions, as well as their caregiver family members and guardians.

April 5, 2021: all people aged 16 and up who were not previously eligible.

Coordination: Local health departments are responsible for oversight and implementation of the vaccine strategy within their jurisdictions. They play a crucial convening and coordination role in both the distribution and administration of vaccine.

Hospitals are being provided this vaccine to administer to individuals who are in Phase 1a and individuals who are aged 65 years or older (Phase 1b Group A and Phase 1c Group A). Any vaccinations of non-health care essential workers in Phase 1b Group B should be coordinated with the local health department. Other groups are not currently eligible for vaccination.)

Vaccine Transfer: The Covid-19 vaccine is a federal asset and requires proper accounting at provider, state and federal levels. Transfer of vaccine should be minimized, may only occur between Federally Enrolled COVID providers for the same use that the vaccine was originally allocated for, and must be made after review of the Federal COVID vaccine redistribution form by the state health department Immunization Program. The vaccine inventory can then be transferred within MCIR to the new provider

If an ordering provider is unable to use their allocated doses within the intended population in a reasonable time frame, they should reach out to the local health department they are located in to identify a partner who can make appropriate use of the vaccine and to coordinate the transfer. Each ordering provider is responsible for managing the need and timing for second dose. If you transfer doses you are responsible for assuring second doses are transferred to that provider as well.

Outreach: MDHHS is committed to ensuring that all Michiganders have equitable access to vaccines. Ordering providers can make use of the below table to identify zip codes and census tracts to focus outreach efforts (see attached SVI Outreach Zip Codes). The table includes the census tracts which are in the highest quartile for Social Vulnerability Index and their associated zip codes.

Reminders and Resources for Support:

- Please review our new MDHHS website [COVID-19 Vaccine Provider Guidance & Educational Resources](#). Save/bookmark this site as it will be updated frequently.
 - J&J-specific materials are available on this website and will be updated as additional guidance becomes available.

Sign up to Review Order Details and Receive Shipment Emails with Tracking IDs

- Distributors utilize the shipping hours as entered in your MCIR VFC Shipping tab. Please ensure your shipping hours and address correctly reflect your ability to receive orders. To check shipping information in your MCIR site (hours, address, etc.), please [utilize this tip sheet](#).
- Review this [tip sheet](#) to see how you can review order details and receive email notifications for shipments, including tracking IDs. This allows you to add “e-order contacts” to your MCIR site for this enhanced order review ability. These emails will come from mcir@michigan.gov. This guidance is also included on [our website](#), along with additional inventory support.

If you have questions, please email checcimms@michigan.gov.

Thank you.

County, ZIP and High-Risk Census Tracts	High-risk Tract, SVI Score (2014-18)	County, ZIP and High-Risk Census Tracts	High-risk Tract, SVI Score (2014-18)	County, ZIP and High-Risk Census Tracts	High-risk Tract, SVI Score (2014-18)
Allegan	0.82	Lake	0.87	Wayne	0.89
49010	0.88	49402	0.92	48125	0.80
26005031000	0.88	26085961200	0.92	26163572500	0.81
49423	0.77	49642	0.82	26163572900	0.79
26005032200	0.77	26085961100	0.82	48126	0.83
Arenac	0.77	Lenawee	0.93	26163573400	0.83
48658	0.77	49221	0.95	48127	0.77
26011970200	0.77	26091061301	0.99	26163571800	0.79
48659	0.77	26091061302	0.98	26163571900	0.76
26011970500	0.77	26091061400	0.87	48141	0.94
Baraga	0.77	26091061600	0.96	26163570400	0.98
49946	0.77	49248	0.87	26163570500	0.90
26013000200	0.77	26091061700	0.87	26163570600	0.93
Bay	0.82	Mackinac	0.83	26163570800	0.99
48706	0.80	49775	0.83	26163570900	0.89
26017280700	0.76	26097950500	0.83	26163571000	0.92
26017285800	0.84	Macomb	0.85	48146	0.77
48708	0.84	48015	0.84	26163577300	0.77
26017280900	0.76	26099268100	0.84	48174	0.81
26017286500	0.93	48021	0.79	26163585500	0.87
48732	0.82	26099258300	0.78	26163585700	0.76
26017285202	0.82	26099258400	0.80	48180	0.87
Berrien	0.88	48035	0.78	26163583200	0.76
49022	0.94	26099241500	0.79	26163584200	0.92
26021000300	0.93	26099242100	0.78	26163584600	0.92
26021000400	1.00	48036	0.85	48184	0.83
26021000500	0.91	26099240800	0.76	26163566500	0.85
26021000600	0.95	26099245000	0.94	26163566900	0.85
26021002000	0.82	48043	0.98	26163585600	0.80
26021002100	0.98	26099240000	1.00	48186	0.96
26021002200	1.00	26099247100	0.95	26163568500	0.96
26021002300	0.92	48045	0.76	48201	0.92
49038	0.77	26099241000	0.76	26163517500	0.91
26021002500	0.77	48051	0.78	26163521800	0.89
49098	0.82	26099222101	0.78	26163522500	0.95
26021010300	0.82	48066	0.86	48202	0.93
49107	0.76	26099255200	0.83	26163511200	0.94
26021020200	0.76	26099255700	0.83	26163511900	0.91
49111	0.77	26099256100	0.80	26163532400	0.95
26021010500	0.77	26099256600	0.97	48203	0.92

49120	0.86	48089	0.85	26163507800	0.98
26021020500	0.85	26099262600	0.77	26163507900	0.77
26021020700	0.96	26099264000	0.96	26163508000	0.96
26021020900	0.78	26099264200	0.81	26163508100	0.94
Branch	0.89	26099268400	0.85	26163511400	1.00
49030	0.79	48091	0.91	26163553000	0.89
26023951200	0.79	26099262400	0.99	26163553100	0.91
49036	0.94	26099262500	0.78	26163553200	0.80
26023951400	0.91	26099263200	0.95	26163553300	0.92
26023951600	0.97	26099263500	0.90	26163553400	0.99
Calhoun	0.90	26099263600	0.95	26163553800	0.90
49014	0.91	26099263800	0.89	48204	0.93
26025000600	0.94	48314	0.76	26163526500	0.98
26025002100	0.88	26099228100	0.76	26163527200	0.99
49015	0.91	Mason	0.76	26163530800	0.94
26025001300	0.97	49405	0.76	26163533500	0.94
26025001400	0.85	26105950600	0.76	26163533600	0.88
49016	0.96	Mecosta	0.85	26163534600	0.88
26025004100	0.96	49307	0.85	26163534700	0.89
49017	0.93	26107960500	0.85	48205	0.86
26025001100	0.93	Missaukee	0.83	26163500300	0.84
49037	0.91	49667	0.83	26163500400	0.88
26025000300	0.99	26113960100	0.83	26163503100	0.88
26025001000	0.96	Monroe	0.97	26163503400	0.88
26025002600	0.80	48161	0.97	26163503500	0.86
49068	0.76	26115831800	0.97	26163503600	0.90
26025004000	0.76	Montcalm	0.79	26163505200	0.79
49224	0.89	48809	0.81	48206	0.91
26025003300	0.97	26117971300	0.81	26163530900	0.99
26025003500	0.77	48812	0.76	26163531100	1.00
26025003600	0.93	26117970200	0.76	26163531400	0.85
Cass	0.89	48886	0.79	26163532200	0.90
49045	0.86	26117970400	0.79	26163533100	0.91
26027002000	0.86	Muskegon	0.91	26163533200	0.84
49047	0.93	49442	0.94	48207	0.89
26027002100	0.93	26121000100	0.86	26163516200	0.99
Cheboygan	0.89	26121000300	0.99	26163516300	0.90
49721	0.89	26121000500	0.98	26163516600	0.94
26031960300	0.89	49443	0.93	26163516700	0.83
Chippewa	0.80	26121004200	0.93	26163516800	0.85
49783	0.80	49444	0.90	26163518600	0.76
26033970200	0.84	26121000601	0.89	26163518800	0.87
26033970300	0.76	26121001200	0.86	26163518900	0.97

Clare	0.84	26121001300	0.91	48208	0.93
48617	0.75	26121002601	0.84	26163522000	0.98
26035000600	0.75	26121004300	1.00	26163522100	0.77
48625	0.86	49445	0.87	26163522200	0.97
26035000900	0.82	26121000401	0.96	26163522300	0.97
26035001000	0.88	26121001902	0.78	26163527300	0.98
26035001300	0.90	Newaygo	0.83	26163532600	0.86
Clinton	0.91	49337	0.89	26163533000	1.00
48906	0.91	26123970700	0.89	26163533300	0.90
26037010203	0.91	49412	0.80	48209	0.94
Crawford	0.82	26123970300	0.80	26163523400	0.93
49738	0.82	49413	0.75	26163524900	0.96
26039960300	0.82	26123970500	0.75	48210	0.89
Delta	0.86	49457	0.88	26163525400	0.97
49829	0.79	26123971200	0.88	26163526400	0.82
26041971000	0.79	Oakland	0.91	48211	0.94
49894	0.93	48033	0.90	26163518500	0.94
26041970800	0.93	26125160300	0.96	48212	0.91
Dickinson	0.79	26125161800	0.84	26163506500	0.83
49802	0.79	48076	0.85	26163507000	0.95
26043950600	0.79	26125160500	0.80	26163552100	0.96
Eaton	0.84	26125161400	0.90	48213	0.87
48813	0.84	48220	0.95	26163503900	0.86
26045020901	0.84	26125172500	0.95	26163504100	0.89
Genesee	0.87	48237	0.84	26163504200	0.87
48420	0.87	26125171600	0.87	26163504300	0.87
26049010110	0.85	26125172400	0.82	26163504400	0.79
26049012201	0.90	48326	0.94	26163504700	0.89
48433	0.78	26125141100	0.94	26163505400	0.84
26049010502	0.78	48328	0.86	26163505500	0.92
48457	0.82	26125144701	0.86	26163512100	0.94
26049012602	0.82	48334	0.86	26163515900	0.86
48458	0.86	26125166600	0.86	48214	0.90
26049010305	0.93	48336	0.76	26163513600	1.00
26049012310	0.84	26125167300	0.76	26163513900	0.92
26049012311	0.82	48340	0.94	26163514100	0.99
48501	0.85	26125141000	0.91	26163514200	0.93
26049002800	0.85	26125141200	0.99	26163514300	1.00
48503	0.91	26125141300	0.89	26163514500	0.77
26049001100	0.88	26125141500	0.98	26163515200	0.80
26049001400	0.92	48341	0.97	26163515300	0.93
26049002900	0.85	26125142000	0.99	26163515600	0.90

26049003200	0.94	26125142100	0.99	26163516000	0.81
26049013600	0.96	26125142300	0.96	48215	0.92
48504	0.85	26125142700	0.94	26163512300	0.99
26049000100	0.80	48342	0.93	26163512400	0.80
26049000300	0.83	26125141600	1.00	26163512600	0.93
26049000500	0.78	26125141700	0.96	26163512900	0.99
26049001200	0.92	26125142200	0.93	26163513200	0.90
26049010501	0.79	26125142400	0.84	48216	0.98
26049010812	1.00	Oceana	0.89	26163525000	0.98
48505	0.88	49420	0.96	48217	0.88
26049000200	0.92	26127010400	0.96	26163524700	0.88
26049000400	0.90	49452	0.81	26163524800	0.82
26049000600	0.79	26127010600	0.81	26163579300	0.94
26049000800	0.83	Ogemaw	0.81	48218	0.98
26049001000	0.87	48661	0.83	26163579500	0.98
26049001700	0.94	26129950500	0.83	48219	0.89
26049001800	0.81	48739	0.75	26163540600	0.79
26049002000	0.84	26129950100	0.75	26163540700	0.90
26049010304	0.98	48770	0.84	26163540900	0.80
48506	0.89	26129950900	0.84	26163541000	0.95
26049001900	0.93	Osceola	0.81	26163541100	0.79
26049002200	0.81	49338	0.83	26163541400	0.98
26049002300	0.92	26133970600	0.83	26163541500	0.95
26049002400	0.91	49631	0.75	26163541700	0.86
26049002600	0.85	26133970500	0.75	26163544200	0.97
26049003100	0.95	49639	0.89	48221	0.82
48507	0.87	26133970400	0.89	26163530100	0.78
26049003500	0.93	49665	0.77	26163538500	0.78
26049003800	0.93	26133970100	0.77	26163539000	0.86
26049010813	0.81	Oscoda	0.86	26163539100	0.85
26049010912	0.75	48621	0.82	48222	0.96
26049013500	0.92	26135970300	0.82	26163521100	0.96
48532	0.88	48647	0.90	48223	0.84
26049010811	0.88	26135970400	0.90	26163542500	0.77
26049010911	0.88	Otsego	0.90	26163542600	0.82
Gladwin	0.89	49734	0.90	26163543500	0.87
48612	0.89	26137950300	0.90	26163543800	0.87
26051000700	0.89	Presque Isle	0.83	26163543900	0.89
Grand Traverse	0.80	49765	0.83	26163554500	0.85
49685	0.80	26141950400	0.83	48224	0.87
26055551300	0.80	Roscommon	0.87	26163500900	0.86
Gratiot	0.87	48630	0.86	26163501100	0.82
48801	0.83	26143971000	0.86	26163501200	0.91

26057000500	0.83	48651	0.88	26163501300	0.89
48880	0.91	26143970300	0.88	26163501500	0.87
26057000300	0.91	Saginaw	0.91	48225	0.84
Hillsdale	0.78	48601	0.94	26163500700	0.84
49242	0.78	26145000100	0.86	48227	0.87
26059050500	0.79	26145000200	0.92	26163535200	0.80
26059050700	0.78	26145000800	0.90	26163535300	0.92
49250	0.77	26145000900	0.98	26163536600	0.79
26059050300	0.77	26145001000	0.98	26163536700	0.93
Houghton	0.75	26145011000	0.99	26163536900	0.90
49930	0.75	26145011500	0.96	26163537100	0.85
26061000600	0.75	48602	0.89	26163537300	0.97
Huron	0.81	26145001300	0.93	26163537600	0.97
48413	0.81	26145001500	0.81	26163537700	0.90
26063951000	0.81	26145001700	0.98	26163537800	0.81
Ingham	0.84	26145001800	0.95	26163542100	0.79
48910	0.96	26145001900	0.78	26163542200	0.85
26065005304	0.96	48603	0.85	26163542300	0.78
48911	0.82	26145010401	0.85	48228	0.92
26065003601	0.85	48605	0.94	26163535000	0.87
26065005303	0.79	26145000600	0.94	26163535100	0.99
48912	0.76	48607	0.94	26163535400	0.98
26065006500	0.76	26145000400	0.88	26163535700	0.87
48915	0.75	26145000700	1.00	26163545200	0.93
26065000600	0.75	48722	0.88	26163545300	0.99
48917	0.88	26145011600	0.88	26163546500	0.96
26065003500	0.88	48724	0.79	26163546600	0.92
48933	0.91	26145010800	0.79	26163546900	0.80
26065006600	0.91	Sanilac	0.80	48229	0.91
Ionia	0.76	48401	0.78	26163577000	0.92
48846	0.76	26151970900	0.78	26163579600	0.87
26067031600	0.76	48741	0.82	26163579700	0.86
Jackson	0.89	26151971000	0.82	26163579800	0.98
49201	0.90	Schoolcraft	0.83	48234	0.85
26075000200	0.97	49854	0.83	26163506300	0.91
26075000400	0.78	26153000300	0.83	26163506600	0.91
26075000600	0.94	Shiawassee	0.76	26163506800	0.83
26075006900	0.89	48867	0.76	26163506900	0.78
49202	0.85	26155030800	0.76	26163507100	0.83
26075000500	0.76	St. Clair	0.90	26163507400	0.83
26075005900	0.94	48014	0.81	26163507500	0.76
49203	0.90	26147657100	0.81	26163511000	1.00
26075001100	0.98	48060	0.91	48235	0.85

26075001200	0.80	26147620000	0.97	26163538700	0.86
26075001300	0.92	26147621000	0.90	26163539200	0.95
Kalamazoo	0.89	26147624000	0.98	26163539400	0.80
49001	0.94	26147625000	0.79	26163539500	0.88
26077001803	0.94	48061	0.98	26163539600	0.82
49003	0.93	26147636000	0.98	26163539700	0.84
26077001000	0.93	St. Joseph	0.87	26163540100	0.81
49004	0.82	49042	0.85	26163540200	0.87
26077000500	0.82	26149040300	0.92	26163540300	0.86
49007	0.88	26149041101	0.79	26163540400	0.87
26077000202	0.77	49091	0.91	26163540800	0.81
26077000300	0.97	26149040600	0.96	48236	0.89
26077000900	0.90	26149040800	0.85	26163501700	0.96
49019	0.83	49093	0.82	26163551300	0.82
26077001801	0.83	26149040400	0.82	48238	0.89
49048	0.92	Tuscola	0.90	26163530300	0.97
26077005501	0.92	48723	0.87	26163530400	0.87
Kalkaska	0.76	26157000600	0.87	26163530500	0.81
49676	0.76	48768	0.92	26163531600	0.89
26079950200	0.76	26157000900	0.92	26163531700	0.87
49680	0.76	Van Buren	0.87	26163531800	0.92
26079950300	0.76	49026	0.95	26163531900	0.88
Kent	0.90	26159012000	0.95	26163534200	0.91
49503	0.91	49063	0.83	26163536100	0.97
26081001101	0.81	26159010200	0.83	26163536300	0.86
26081003200	0.91	49098	0.81	26163536500	0.83
26081003600	1.00	26159011300	0.81	48240	0.77
49505	0.91	Washtenaw	0.83	26163554400	0.77
26081001102	0.91	48198	0.83	Wexford	0.79
49507	0.97	26161410700	0.78	49601	0.76
26081002800	0.99	26161410800	0.83	26165380800	0.76
26081003100	0.95	26161411900	0.86	49649	0.82
49512	0.87	26161412100	0.85	26165380100	0.82
26081004500	0.87				
49519	0.80				
26081013801	0.80				
49534	0.82				
26081002700	0.82				

Email for Pfizer Orders – FEMA

To: Email 1 and Email 2 in spreadsheet

SUBJECT: Notification of FEMA Pfizer Vaccine Order

MDHHS has submitted an order for distribution of the Pfizer vaccine for «Site Name». THIS IS A FEMA-SPECIFIC ORDER. These doses will be uploaded to your FEMA-Specific MCIR ID and must be documented as such. For these FEMA efforts, you will receive XXXXX total Pfizer doses in the upcoming week:

- XXXX are designated as FIRST doses
- XXXX are designated as SECOND doses

These doses are anticipated to arrive on Monday.

Ancillary supplies including diluent will arrive within 24 hours of vaccine delivery.

Other Information:

Please be sure to follow the most up-to-date MDHHS Vaccination Prioritization Guidance.

Dry Ice: If you do not have an ultra-cold freezer onsite, you will receive dry ice from the federal government only for your FIRST refresh of dry ice (within 24 hrs) if you need to utilize the thermal shipper for storage. For additional dry ice, see dry ice ordering process.

Temperature Updates for Pfizer Vaccine: On February 25, 2021, the U.S. Food and Drug Administration (FDA) announced that it is allowing undiluted frozen vials of Pfizer-BioNTech COVID-19 Vaccine to be transported and stored at conventional temperatures commonly found in pharmaceutical freezers (-25C to -15C; -13F to 5F) **for a period of two weeks**. This reflects an **alternative to the recommended storage of undiluted vials in an ultra-low temperature freezer between -80C to -60C (-112F to -76F)**. In brief, undiluted vials maybe stored at the following temperature ranges:

- Between -80°C and -60°C (-112F to -76F) until the expiration date
- Between -25C and -15C (-13F to 5F) for up to two weeks
 - Note: These temperatures are within the appropriate range for routinely recommended vaccines, BUT the temperature range for this vaccine is tighter. If storing the vaccine in a freezer with routinely recommended vaccines, carefully adjust the freezer temperature to the temperature range for this vaccine.
- Between 2°C and 8°C (35°F to 46°F) for up to 120 hours (5 days)
- **These changes are further outlined in the FDA's Fact Sheet for Healthcare Providers Administering Vaccine (Vaccination Providers).**

VaccineFinder Requirement Reminder: All providers must report inventory each day to VaccineFinder, as required by CDC. For tip sheets and videos on using VaccineFinder, please visit <https://vaccinefinder.org/covid-provider-resources>.

- Contact Information for VaccineFinder Provider Support:
 - eocevent522@cdc.gov for registration / email change help and for general COVID VaccineFinder inquiries, or
 - vaccinefinder@castlighthhealth.com for technical assistance with account log-in problems, password resets, file upload errors, etc.

FIRST DOSES will no longer be ordered via requests. First dose orders have transitioned to allocation-based ordering only (order notifications will continue for both).

SECOND DOSES will no longer be ordered via requests. Second dose orders have transitioned to allocations based on previous first dose orders. For Pfizer, second dose orders will be sent 3 weeks after the first dose Pfizer order was placed. Second dose orders for Moderna doses 4 weeks after the first dose Moderna order was placed.

It is the responsibility of the ordering provider to ensure that second doses are not used for first doses and are available for timely second dose vaccination. **Please mark second dose vaccine packaging as SECOND DOSE ONLY to visually identified that these vaccines are reserved for second dose.** Ideally, these vaccines would be stored in a separate shelf or freezer/refrigerator. CDC is allocating exact numbers of second doses based on first doses distributed. If you have inadvertently used your second dose as first dose, you will need to make use of your existing first dose inventory to make up that lapse.

Use of vaccine: Michigan is currently vaccinating individuals who are:

PHASE 1A: Paid and unpaid persons serving in health care settings who have the potential for direct or indirect exposure to patients or infectious materials and are unable to work from home, as well as residents in long-term care facilities.

PHASE 1B Group A and B only:

Group A: Persons 75 years of age or older not covered in Phase 1A. This includes those in a congregate setting that were not reached in Phase 1A.

Group B: Prioritized frontline workers whose work role has frequent or intense exposure, and, due to the nature of the work, are not able to maintain social distance. For example, a first responder may have to physically touch other people in their response, and a child care provider cannot maintain social distance from children when caring for their physical needs. The specific prioritized categories are:

- Pre-Kindergarten through high school teachers, support staff and child care workers who usually have direct contact with children
- First responders not covered in Phase 1A (e.g., firefighters, police, conservation officers, inspectors)
- Corrections workers (e.g., staff in prisons, jails, juvenile justice facilities)

- Workers in homeless shelters, congregate child care institutions, and adult and child protective services
- March 1, 2021: Frontline essential workers in the food processing and agricultural industries

PHASE 1C GROUP 1A:

- Individuals age 65 to 74 years. This includes those in congregate settings that were not reached in prior Phases.

March 8, 2021: People who are aged 50 and up with medical conditions and disabilities, as well as caregiver family members and guardians age 16 and older of children who have special health care needs (part of Phase 1C Groups B and C). This includes individuals in Phase 1B Group B who live in congregate settings (i.e., homeless shelters, jails, prisons)

March 22, 2021: people who are aged 50 and up (part of Phase 2), as well as vaccination of people aged 16 and up who have disabilities and/or medical conditions, as well as their caregiver family members and guardians.

April 5, 2021: all people aged 16 and up who were not previously eligible.

Coordination: Local health departments are responsible for oversight and implementation of the vaccine strategy within their jurisdictions. They play a crucial convening and coordination role in both the distribution and administration of vaccine.

Hospitals are being provided this vaccine to administer to individuals who are in Phase 1a and individuals who are aged 65 years or older (Phase 1b Group A and Phase 1c Group A). Any vaccinations of non-health care essential workers in Phase 1b Group B should be coordinated with the local health department. Other groups are not currently eligible for vaccination.)

Vaccine Transfer: The Covid-19 vaccine is a federal asset and requires proper accounting at provider, state and federal levels. Transfer of vaccine should be minimized, may only occur between Federally Enrolled COVID providers for the same use that the vaccine was originally allocated for, and must be made after review of the Federal COVID vaccine redistribution form by the state health department Immunization Program. The vaccine inventory can then be transferred within MCIR to the new provider.

If an ordering provider is unable to use their allocated doses within the intended population in a reasonable time frame, they should reach out to the local health department they are located in to identify a partner who can make appropriate use of the vaccine and to coordinate the transfer. Each ordering provider is responsible for managing the need and timing for second dose. If you transfer doses you are responsible for assuring second doses are transferred to that provider as well.

Outreach: MDHHS is committed to ensuring that all Michiganders have equitable access to vaccines. Ordering providers can make use of the below table to identify zip codes and census tracts to focus outreach efforts (see attached SVI Outreach Zip Codes). The table includes the census tracts which are in the highest quartile for Social Vulnerability Index and their associated zip codes.

Reminders and Resources for Support:

- Please review our new MDHHS website [COVID-19 Vaccine Provider Guidance & Educational Resources](#). Save/bookmark this site as it will be updated frequently.
 - **Pfizer-specific materials are available on this website**
- **Distributors utilize the shipping hours as entered in your MCIR VFC Shipping tab.** Please ensure your shipping hours and address correctly reflect your ability to receive orders. To check shipping information in your MCIR site (hours, address, etc.), please [utilize this tip sheet](#).

Sign up to Review Order Details and Receive Shipment Emails with Tracking IDs

- Review this [tip sheet](#) to see how you can review order details and receive email notifications for shipments, including tracking IDs. This allows you to add “e-order contacts” to your MCIR site for this enhanced order review ability. These emails will come from mcir@michigan.gov. This guidance is also included on [our website](#), along with additional inventory support.

If you have questions, please email checcimms@michigan.gov.

Thank you.

County, ZIP and High-Risk Census Tracts	High-risk Tract, SVI Score (2014-18)	County, ZIP and High-Risk Census Tracts	High-risk Tract, SVI Score (2014-18)	County, ZIP and High-Risk Census Tracts	High-risk Tract, SVI Score (2014-18)
Allegan	0.82	Lake	0.87	Wayne	0.89
49010	0.88	49402	0.92	48125	0.80
26005031000	0.88	26085961200	0.92	26163572500	0.81
49423	0.77	49642	0.82	26163572900	0.79
26005032200	0.77	26085961100	0.82	48126	0.83
Arenac	0.77	Lenawee	0.93	26163573400	0.83
48658	0.77	49221	0.95	48127	0.77
26011970200	0.77	26091061301	0.99	26163571800	0.79
48659	0.77	26091061302	0.98	26163571900	0.76
26011970500	0.77	26091061400	0.87	48141	0.94
Baraga	0.77	26091061600	0.96	26163570400	0.98
49946	0.77	49248	0.87	26163570500	0.90
26013000200	0.77	26091061700	0.87	26163570600	0.93

Bay	0.82	Mackinac	0.83	26163570800	0.99
48706	0.80	49775	0.83	26163570900	0.89
26017280700	0.76	26097950500	0.83	26163571000	0.92
26017285800	0.84	Macomb	0.85	48146	0.77
48708	0.84	48015	0.84	26163577300	0.77
26017280900	0.76	26099268100	0.84	48174	0.81
26017286500	0.93	48021	0.79	26163585500	0.87
48732	0.82	26099258300	0.78	26163585700	0.76
26017285202	0.82	26099258400	0.80	48180	0.87
Berrien	0.88	48035	0.78	26163583200	0.76
49022	0.94	26099241500	0.79	26163584200	0.92
26021000300	0.93	26099242100	0.78	26163584600	0.92
26021000400	1.00	48036	0.85	48184	0.83
26021000500	0.91	26099240800	0.76	26163566500	0.85
26021000600	0.95	26099245000	0.94	26163566900	0.85
26021002000	0.82	48043	0.98	26163585600	0.80
26021002100	0.98	26099240000	1.00	48186	0.96
26021002200	1.00	26099247100	0.95	26163568500	0.96
26021002300	0.92	48045	0.76	48201	0.92
49038	0.77	26099241000	0.76	26163517500	0.91
26021002500	0.77	48051	0.78	26163521800	0.89
49098	0.82	26099222101	0.78	26163522500	0.95
26021010300	0.82	48066	0.86	48202	0.93
49107	0.76	26099255200	0.83	26163511200	0.94
26021020200	0.76	26099255700	0.83	26163511900	0.91
49111	0.77	26099256100	0.80	26163532400	0.95
26021010500	0.77	26099256600	0.97	48203	0.92
49120	0.86	48089	0.85	26163507800	0.98
26021020500	0.85	26099262600	0.77	26163507900	0.77
26021020700	0.96	26099264000	0.96	26163508000	0.96
26021020900	0.78	26099264200	0.81	26163508100	0.94
Branch	0.89	26099268400	0.85	26163511400	1.00
49030	0.79	48091	0.91	26163553000	0.89
26023951200	0.79	26099262400	0.99	26163553100	0.91
49036	0.94	26099262500	0.78	26163553200	0.80
26023951400	0.91	26099263200	0.95	26163553300	0.92
26023951600	0.97	26099263500	0.90	26163553400	0.99
Calhoun	0.90	26099263600	0.95	26163553800	0.90
49014	0.91	26099263800	0.89	48204	0.93
26025000600	0.94	48314	0.76	26163526500	0.98
26025002100	0.88	26099228100	0.76	26163527200	0.99
49015	0.91	Mason	0.76	26163530800	0.94
26025001300	0.97	49405	0.76	26163533500	0.94

26025001400	0.85	26105950600	0.76	26163533600	0.88
49016	0.96	Mecosta	0.85	26163534600	0.88
26025004100	0.96	49307	0.85	26163534700	0.89
49017	0.93	26107960500	0.85	48205	0.86
26025001100	0.93	Missaukee	0.83	26163500300	0.84
49037	0.91	49667	0.83	26163500400	0.88
26025000300	0.99	26113960100	0.83	26163503100	0.88
26025001000	0.96	Monroe	0.97	26163503400	0.88
26025002600	0.80	48161	0.97	26163503500	0.86
49068	0.76	26115831800	0.97	26163503600	0.90
26025004000	0.76	Montcalm	0.79	26163505200	0.79
49224	0.89	48809	0.81	48206	0.91
26025003300	0.97	26117971300	0.81	26163530900	0.99
26025003500	0.77	48812	0.76	26163531100	1.00
26025003600	0.93	26117970200	0.76	26163531400	0.85
Cass	0.89	48886	0.79	26163532200	0.90
49045	0.86	26117970400	0.79	26163533100	0.91
26027002000	0.86	Muskegon	0.91	26163533200	0.84
49047	0.93	49442	0.94	48207	0.89
26027002100	0.93	26121000100	0.86	26163516200	0.99
Cheboygan	0.89	26121000300	0.99	26163516300	0.90
49721	0.89	26121000500	0.98	26163516600	0.94
26031960300	0.89	49443	0.93	26163516700	0.83
Chippewa	0.80	26121004200	0.93	26163516800	0.85
49783	0.80	49444	0.90	26163518600	0.76
26033970200	0.84	26121000601	0.89	26163518800	0.87
26033970300	0.76	26121001200	0.86	26163518900	0.97
Clare	0.84	26121001300	0.91	48208	0.93
48617	0.75	26121002601	0.84	26163522000	0.98
26035000600	0.75	26121004300	1.00	26163522100	0.77
48625	0.86	49445	0.87	26163522200	0.97
26035000900	0.82	26121000401	0.96	26163522300	0.97
26035001000	0.88	26121001902	0.78	26163527300	0.98
26035001300	0.90	Newaygo	0.83	26163532600	0.86
Clinton	0.91	49337	0.89	26163533000	1.00
48906	0.91	26123970700	0.89	26163533300	0.90
26037010203	0.91	49412	0.80	48209	0.94
Crawford	0.82	26123970300	0.80	26163523400	0.93
49738	0.82	49413	0.75	26163524900	0.96
26039960300	0.82	26123970500	0.75	48210	0.89
Delta	0.86	49457	0.88	26163525400	0.97
49829	0.79	26123971200	0.88	26163526400	0.82

26041971000	0.79	Oakland	0.91	48211	0.94
49894	0.93	48033	0.90	26163518500	0.94
26041970800	0.93	26125160300	0.96	48212	0.91
Dickinson	0.79	26125161800	0.84	26163506500	0.83
49802	0.79	48076	0.85	26163507000	0.95
26043950600	0.79	26125160500	0.80	26163552100	0.96
Eaton	0.84	26125161400	0.90	48213	0.87
48813	0.84	48220	0.95	26163503900	0.86
26045020901	0.84	26125172500	0.95	26163504100	0.89
Genesee	0.87	48237	0.84	26163504200	0.87
48420	0.87	26125171600	0.87	26163504300	0.87
26049010110	0.85	26125172400	0.82	26163504400	0.79
26049012201	0.90	48326	0.94	26163504700	0.89
48433	0.78	26125141100	0.94	26163505400	0.84
26049010502	0.78	48328	0.86	26163505500	0.92
48457	0.82	26125144701	0.86	26163512100	0.94
26049012602	0.82	48334	0.86	26163515900	0.86
48458	0.86	26125166600	0.86	48214	0.90
26049010305	0.93	48336	0.76	26163513600	1.00
26049012310	0.84	26125167300	0.76	26163513900	0.92
26049012311	0.82	48340	0.94	26163514100	0.99
48501	0.85	26125141000	0.91	26163514200	0.93
26049002800	0.85	26125141200	0.99	26163514300	1.00
48503	0.91	26125141300	0.89	26163514500	0.77
26049001100	0.88	26125141500	0.98	26163515200	0.80
26049001400	0.92	48341	0.97	26163515300	0.93
26049002900	0.85	26125142000	0.99	26163515600	0.90
26049003200	0.94	26125142100	0.99	26163516000	0.81
26049013600	0.96	26125142300	0.96	48215	0.92
48504	0.85	26125142700	0.94	26163512300	0.99
26049000100	0.80	48342	0.93	26163512400	0.80
26049000300	0.83	26125141600	1.00	26163512600	0.93
26049000500	0.78	26125141700	0.96	26163512900	0.99
26049001200	0.92	26125142200	0.93	26163513200	0.90
26049010501	0.79	26125142400	0.84	48216	0.98
26049010812	1.00	Oceana	0.89	26163525000	0.98
48505	0.88	49420	0.96	48217	0.88
26049000200	0.92	26127010400	0.96	26163524700	0.88
26049000400	0.90	49452	0.81	26163524800	0.82
26049000600	0.79	26127010600	0.81	26163579300	0.94
26049000800	0.83	Ogemaw	0.81	48218	0.98
26049001000	0.87	48661	0.83	26163579500	0.98
26049001700	0.94	26129950500	0.83	48219	0.89

26049001800	0.81	48739	0.75	26163540600	0.79
26049002000	0.84	26129950100	0.75	26163540700	0.90
26049010304	0.98	48770	0.84	26163540900	0.80
48506	0.89	26129950900	0.84	26163541000	0.95
26049001900	0.93	Osceola	0.81	26163541100	0.79
26049002200	0.81	49338	0.83	26163541400	0.98
26049002300	0.92	26133970600	0.83	26163541500	0.95
26049002400	0.91	49631	0.75	26163541700	0.86
26049002600	0.85	26133970500	0.75	26163544200	0.97
26049003100	0.95	49639	0.89	48221	0.82
48507	0.87	26133970400	0.89	26163530100	0.78
26049003500	0.93	49665	0.77	26163538500	0.78
26049003800	0.93	26133970100	0.77	26163539000	0.86
26049010813	0.81	Oscoda	0.86	26163539100	0.85
26049010912	0.75	48621	0.82	48222	0.96
26049013500	0.92	26135970300	0.82	26163521100	0.96
48532	0.88	48647	0.90	48223	0.84
26049010811	0.88	26135970400	0.90	26163542500	0.77
26049010911	0.88	Otsego	0.90	26163542600	0.82
Gladwin	0.89	49734	0.90	26163543500	0.87
48612	0.89	26137950300	0.90	26163543800	0.87
26051000700	0.89	Presque Isle	0.83	26163543900	0.89
Grand Traverse	0.80	49765	0.83	26163554500	0.85
49685	0.80	26141950400	0.83	48224	0.87
26055551300	0.80	Roscommon	0.87	26163500900	0.86
Gratiot	0.87	48630	0.86	26163501100	0.82
48801	0.83	26143971000	0.86	26163501200	0.91
26057000500	0.83	48651	0.88	26163501300	0.89
48880	0.91	26143970300	0.88	26163501500	0.87
26057000300	0.91	Saginaw	0.91	48225	0.84
Hillsdale	0.78	48601	0.94	26163500700	0.84
49242	0.78	26145000100	0.86	48227	0.87
26059050500	0.79	26145000200	0.92	26163535200	0.80
26059050700	0.78	26145000800	0.90	26163535300	0.92
49250	0.77	26145000900	0.98	26163536600	0.79
26059050300	0.77	26145001000	0.98	26163536700	0.93
Houghton	0.75	26145011000	0.99	26163536900	0.90
49930	0.75	26145011500	0.96	26163537100	0.85
26061000600	0.75	48602	0.89	26163537300	0.97
Huron	0.81	26145001300	0.93	26163537600	0.97
48413	0.81	26145001500	0.81	26163537700	0.90
26063951000	0.81	26145001700	0.98	26163537800	0.81

Ingham	0.84	26145001800	0.95	26163542100	0.79
48910	0.96	26145001900	0.78	26163542200	0.85
26065005304	0.96	48603	0.85	26163542300	0.78
48911	0.82	26145010401	0.85	48228	0.92
26065003601	0.85	48605	0.94	26163535000	0.87
26065005303	0.79	26145000600	0.94	26163535100	0.99
48912	0.76	48607	0.94	26163535400	0.98
26065006500	0.76	26145000400	0.88	26163535700	0.87
48915	0.75	26145000700	1.00	26163545200	0.93
26065000600	0.75	48722	0.88	26163545300	0.99
48917	0.88	26145011600	0.88	26163546500	0.96
26065003500	0.88	48724	0.79	26163546600	0.92
48933	0.91	26145010800	0.79	26163546900	0.80
26065006600	0.91	Sanilac	0.80	48229	0.91
Ionia	0.76	48401	0.78	26163577000	0.92
48846	0.76	26151970900	0.78	26163579600	0.87
26067031600	0.76	48741	0.82	26163579700	0.86
Jackson	0.89	26151971000	0.82	26163579800	0.98
49201	0.90	Schoolcraft	0.83	48234	0.85
26075000200	0.97	49854	0.83	26163506300	0.91
26075000400	0.78	26153000300	0.83	26163506600	0.91
26075000600	0.94	Shiawassee	0.76	26163506800	0.83
26075006900	0.89	48867	0.76	26163506900	0.78
49202	0.85	26155030800	0.76	26163507100	0.83
26075000500	0.76	St. Clair	0.90	26163507400	0.83
26075005900	0.94	48014	0.81	26163507500	0.76
49203	0.90	26147657100	0.81	26163511000	1.00
26075001100	0.98	48060	0.91	48235	0.85
26075001200	0.80	26147620000	0.97	26163538700	0.86
26075001300	0.92	26147621000	0.90	26163539200	0.95
Kalamazoo	0.89	26147624000	0.98	26163539400	0.80
49001	0.94	26147625000	0.79	26163539500	0.88
26077001803	0.94	48061	0.98	26163539600	0.82
49003	0.93	26147636000	0.98	26163539700	0.84
26077001000	0.93	St. Joseph	0.87	26163540100	0.81
49004	0.82	49042	0.85	26163540200	0.87
26077000500	0.82	26149040300	0.92	26163540300	0.86
49007	0.88	26149041101	0.79	26163540400	0.87
26077000202	0.77	49091	0.91	26163540800	0.81
26077000300	0.97	26149040600	0.96	48236	0.89
26077000900	0.90	26149040800	0.85	26163501700	0.96
49019	0.83	49093	0.82	26163551300	0.82
26077001801	0.83	26149040400	0.82	48238	0.89

49048	0.92	Tuscola	0.90	26163530300	0.97
26077005501	0.92	48723	0.87	26163530400	0.87
Kalkaska	0.76	26157000600	0.87	26163530500	0.81
49676	0.76	48768	0.92	26163531600	0.89
26079950200	0.76	26157000900	0.92	26163531700	0.87
49680	0.76	Van Buren	0.87	26163531800	0.92
26079950300	0.76	49026	0.95	26163531900	0.88
Kent	0.90	26159012000	0.95	26163534200	0.91
49503	0.91	49063	0.83	26163536100	0.97
26081001101	0.81	26159010200	0.83	26163536300	0.86
26081003200	0.91	49098	0.81	26163536500	0.83
26081003600	1.00	26159011300	0.81	48240	0.77
49505	0.91	Washtenaw	0.83	26163554400	0.77
26081001102	0.91	48198	0.83	Wexford	0.79
49507	0.97	26161410700	0.78	49601	0.76
26081002800	0.99	26161410800	0.83	26165380800	0.76
26081003100	0.95	26161411900	0.86	49649	0.82
49512	0.87	26161412100	0.85	26165380100	0.82
26081004500	0.87				
49519	0.80				
26081013801	0.80				
49534	0.82				
26081002700	0.82				

Federal IHS Transfer (Janssen)

Little Traverse Bay Bands of Odawa Indians- 200 doses

Email for Pfizer Orders – 3/26/21

To: Email 1 and Email 2 in spreadsheet

SUBJECT: Notification of Pfizer Vaccine Order

MDHHS has submitted an order for distribution of the Pfizer vaccine for «Site Name». Your facility will be receiving XXXXX total Pfizer doses in the upcoming week:

- XXXX are designated as FIRST doses
- XXXX are designated as SECOND doses

These doses are anticipated to arrive on Monday.

Ancillary supplies including diluent will arrive within 24 hours of vaccine delivery.

Please be sure to follow the most up-to-date MDHHS Vaccination Prioritization Guidance.

Dry Ice: If you do not have an ultra-cold freezer onsite, you will receive dry ice from the federal government only for your FIRST refresh of dry ice (within 24 hrs) if you need to utilize the thermal shipper for storage. For additional dry ice, see dry ice ordering process.

Temperature Updates for Pfizer Vaccine: On February 25, 2021, the U.S. Food and Drug Administration (FDA) announced that it is allowing undiluted frozen vials of Pfizer-BioNTech COVID-19 Vaccine to be transported and stored at conventional temperatures commonly found in pharmaceutical freezers (-25C to -15C; -13F to 5F) **for a period of two weeks**. This reflects an **alternative to the recommended storage of undiluted vials in an ultra-low temperature freezer between -80C to -60C (-112F to -76F)**. In brief, undiluted vials may be stored at the following temperature ranges:

- Between -80°C and -60°C (-112F to -76F) until the expiration date
- Between -25C and -15C (-13F to 5F) for up to two weeks
 - Note: These temperatures are within the appropriate range for routinely recommended vaccines, BUT the temperature range for this vaccine is tighter. If storing the vaccine in a freezer with routinely recommended vaccines, carefully adjust the freezer temperature to the temperature range for this vaccine.
- Between 2°C and 8°C (35°F to 46°F) for up to 120 hours (5 days)
- **These changes are further outlined in the FDA's Fact Sheet for Healthcare Providers Administering Vaccine (Vaccination Providers).**

VaccineFinder Requirement Reminder: All providers must report inventory each day to VaccineFinder, as required by CDC. For tip sheets and videos on using VaccineFinder, please visit <https://vaccinefinder.org/covid-provider-resources>.

- Contact Information for VaccineFinder Provider Support:

- eocevent522@cdc.gov for registration / email change help and for general COVID VaccineFinder inquiries, or
- vaccinefinder@castlighthealth.com for technical assistance with account log-in problems, password resets, file upload errors, etc.

FIRST DOSES will no longer be ordered via requests. First dose orders have transitioned to allocation-based ordering only (order notifications will continue for both).

SECOND DOSES will no longer be ordered via requests. Second dose orders have transitioned to allocations based on previous first dose orders. For Pfizer, second dose orders will be sent 3 weeks after the first dose Pfizer order was placed. Second dose orders for Moderna doses 4 weeks after the first dose Moderna order was placed.

It is the responsibility of the ordering provider to ensure that second doses are not used for first doses and are available for timely second dose vaccination. **Please mark second dose vaccine packaging as SECOND DOSE ONLY to visually identified that these vaccines are reserved for second dose.** Ideally, these vaccines would be stored in a separate shelf or freezer/refrigerator. CDC is allocating exact numbers of second doses based on first doses distributed. If you have inadvertently used your second dose as first dose, you will need to make use of your existing first dose inventory to make up that lapse.

Use of vaccine: Michigan is currently vaccinating individuals who are:

PHASE 1A: Paid and unpaid persons serving in health care settings who have the potential for direct or indirect exposure to patients or infectious materials and are unable to work from home, as well as residents in long-term care facilities.

PHASE 1B Group A and B only:

Group A: Persons 75 years of age or older not covered in Phase 1A. This includes those in a congregate setting that were not reached in Phase 1A.

Group B: Prioritized frontline workers whose work role has frequent or intense exposure, and, due to the nature of the work, are not able to maintain social distance. For example, a first responder may have to physically touch other people in their response, and a child care provider cannot maintain social distance from children when caring for their physical needs. The specific prioritized categories are:

- Pre-Kindergarten through high school teachers, support staff and child care workers who usually have direct contact with children
- First responders not covered in Phase 1A (e.g., firefighters, police, conservation officers, inspectors)
- Corrections workers (e.g., staff in prisons, jails, juvenile justice facilities)
- Workers in homeless shelters, congregate child care institutions, and adult and child protective services
- March 1, 2021: Frontline essential workers in the food processing and agricultural industries

PHASE 1C GROUP 1A:

- Individuals age 65 to 74 years. This includes those in congregate settings that were not reached in prior Phases.

March 8, 2021: People who are aged 50 and up with medical conditions and disabilities, as well as caregiver family members and guardians age 16 and older of children who have special health care needs (part of Phase 1C Groups B and C). This includes individuals in Phase 1B Group B who live in congregate settings (i.e., homeless shelters, jails, prisons)

March 22, 2021: people who are aged 50 and up (part of Phase 2), as well as vaccination of people aged 16 and up who have disabilities and/or medical conditions, as well as their caregiver family members and guardians.

April 5, 2021: all people aged 16 and up who were not previously eligible.

Coordination: Local health departments are responsible for oversight and implementation of the vaccine strategy within their jurisdictions. They play a crucial convening and coordination role in both the distribution and administration of vaccine.

Hospitals are being provided this vaccine to administer to individuals who are in Phase 1a and individuals who are aged 65 years or older (Phase 1b Group A and Phase 1c Group A). Any vaccinations of non-health care essential workers in Phase 1b Group B should be coordinated with the local health department. Other groups are not currently eligible for vaccination.)

Vaccine Transfer: The Covid-19 vaccine is a federal asset and requires proper accounting at provider, state and federal levels. Transfer of vaccine should be minimized, may only occur between Federally Enrolled COVID providers for the same use that the vaccine was originally allocated for, and must be made after review of the Federal COVID vaccine redistribution form by the state health department Immunization Program. The vaccine inventory can then be transferred within MCIR to the new provider.

If an ordering provider is unable to use their allocated doses within the intended population in a reasonable time frame, they should reach out to the local health department they are located in to identify a partner who can make appropriate use of the vaccine and to coordinate the transfer. Each ordering provider is responsible for managing the need and timing for second dose. If you transfer doses you are responsible for assuring second doses are transferred to that provider as well.

Outreach: MDHHS is committed to ensuring that all Michiganders have equitable access to vaccines. Ordering providers can make use of the below table to identify zip codes and census tracts to focus outreach efforts (see attached SVI Outreach Zip Codes). The table includes the census tracts which are in the highest quartile for Social Vulnerability Index and their associated zip codes.

Reminders and Resources for Support:

- Please review our new MDHHS website [COVID-19 Vaccine Provider Guidance & Educational Resources](#). Save/bookmark this site as it will be updated frequently.
 - Pfizer-specific materials are available on this website
- **Distributors utilize the shipping hours as entered in your MCIR VFC Shipping tab.** Please ensure your shipping hours and address correctly reflect your ability to receive orders. To check shipping information in your MCIR site (hours, address, etc.), please [utilize this tip sheet](#).

Sign up to Review Order Details and [Receive Shipment Emails](#) with Tracking IDs

- Review this [tip sheet](#) to see how you can review order details and receive email notifications for shipments, including tracking IDs. This allows you to add “e-order contacts” to your MCIR site for this enhanced order review ability. These emails will come from mcir@michigan.gov. This guidance is also included on [our website](#), along with additional inventory support.

If you have questions, please email checcimms@michigan.gov.

Thank you.

County, ZIP and High-Risk Census Tracts	High-risk Tract, SVI Score (2014-18)	County, ZIP and High-Risk Census Tracts	High-risk Tract, SVI Score (2014-18)	County, ZIP and High-Risk Census Tracts	High-risk Tract, SVI Score (2014-18)
Allegan	0.82	Lake	0.87	Wayne	0.89
49010	0.88	49402	0.92	48125	0.80
26005031000	0.88	26085961200	0.92	26163572500	0.81
49423	0.77	49642	0.82	26163572900	0.79
26005032200	0.77	26085961100	0.82	48126	0.83
Arenac	0.77	Lenawee	0.93	26163573400	0.83
48658	0.77	49221	0.95	48127	0.77
26011970200	0.77	26091061301	0.99	26163571800	0.79
48659	0.77	26091061302	0.98	26163571900	0.76
26011970500	0.77	26091061400	0.87	48141	0.94
Baraga	0.77	26091061600	0.96	26163570400	0.98
49946	0.77	49248	0.87	26163570500	0.90
26013000200	0.77	26091061700	0.87	26163570600	0.93
Bay	0.82	Mackinac	0.83	26163570800	0.99
48706	0.80	49775	0.83	26163570900	0.89
26017280700	0.76	26097950500	0.83	26163571000	0.92
26017285800	0.84	Macomb	0.85	48146	0.77
48708	0.84	48015	0.84	26163577300	0.77
26017280900	0.76	26099268100	0.84	48174	0.81

26017286500	0.93	48021	0.79	26163585500	0.87
48732	0.82	26099258300	0.78	26163585700	0.76
26017285202	0.82	26099258400	0.80	48180	0.87
Barrien	0.88	48035	0.78	26163583200	0.76
49022	0.94	26099241500	0.79	26163584200	0.92
26021000300	0.93	26099242100	0.78	26163584600	0.92
26021000400	1.00	48036	0.85	48184	0.83
26021000500	0.91	26099240800	0.76	26163566500	0.85
26021000600	0.95	26099245000	0.94	26163566900	0.85
26021002000	0.82	48043	0.98	26163585600	0.80
26021002100	0.98	26099240000	1.00	48186	0.96
26021002200	1.00	26099247100	0.95	26163568500	0.96
26021002300	0.92	48045	0.76	48201	0.92
49038	0.77	26099241000	0.76	26163517500	0.91
26021002500	0.77	48051	0.78	26163521800	0.89
49098	0.82	26099222101	0.78	26163522500	0.95
26021010300	0.82	48066	0.86	48202	0.93
49107	0.76	26099255200	0.83	26163511200	0.94
26021020200	0.76	26099255700	0.83	26163511900	0.91
49111	0.77	26099256100	0.80	26163532400	0.95
26021010500	0.77	26099256600	0.97	48203	0.92
49120	0.86	48089	0.85	26163507800	0.98
26021020500	0.85	26099262600	0.77	26163507900	0.77
26021020700	0.96	26099264000	0.96	26163508000	0.96
26021020900	0.78	26099264200	0.81	26163508100	0.94
Branch	0.89	26099268400	0.85	26163511400	1.00
49030	0.79	48091	0.91	26163553000	0.89
26023951200	0.79	26099262400	0.99	26163553100	0.91
49036	0.94	26099262500	0.78	26163553200	0.80
26023951400	0.91	26099263200	0.95	26163553300	0.92
26023951600	0.97	26099263500	0.90	26163553400	0.99
Calhoun	0.90	26099263600	0.95	26163553800	0.90
49014	0.91	26099263800	0.89	48204	0.93
26025000600	0.94	48314	0.76	26163526500	0.98
26025002100	0.88	26099228100	0.76	26163527200	0.99
49015	0.91	Mason	0.76	26163530800	0.94
26025001300	0.97	49405	0.76	26163533500	0.94
26025001400	0.85	26105950600	0.76	26163533600	0.88
49016	0.96	Mecosta	0.85	26163534600	0.88
26025004100	0.96	49307	0.85	26163534700	0.89
49017	0.93	26107960500	0.85	48205	0.86
26025001100	0.93	Missaukee	0.83	26163500300	0.84
49037	0.91	49667	0.83	26163500400	0.88

26025000300	0.99	26113960100	0.83	26163503100	0.88
26025001000	0.96	Monroe	0.97	26163503400	0.88
26025002600	0.80	48161	0.97	26163503500	0.86
49068	0.76	26115831800	0.97	26163503600	0.90
26025004000	0.76	Montcalm	0.79	26163505200	0.79
49224	0.89	48809	0.81	48206	0.91
26025003300	0.97	26117971300	0.81	26163530900	0.99
26025003500	0.77	48812	0.76	26163531100	1.00
26025003600	0.93	26117970200	0.76	26163531400	0.85
Cass	0.89	48886	0.79	26163532200	0.90
49045	0.86	26117970400	0.79	26163533100	0.91
26027002000	0.86	Muskegon	0.91	26163533200	0.84
49047	0.93	49442	0.94	48207	0.89
26027002100	0.93	26121000100	0.86	26163516200	0.99
Cheboygan	0.89	26121000300	0.99	26163516300	0.90
49721	0.89	26121000500	0.98	26163516600	0.94
26031960300	0.89	49443	0.93	26163516700	0.83
Chippewa	0.80	26121004200	0.93	26163516800	0.85
49783	0.80	49444	0.90	26163518600	0.76
26033970200	0.84	26121000601	0.89	26163518800	0.87
26033970300	0.76	26121001200	0.86	26163518900	0.97
Clare	0.84	26121001300	0.91	48208	0.93
48617	0.75	26121002601	0.84	26163522000	0.98
26035000600	0.75	26121004300	1.00	26163522100	0.77
48625	0.86	49445	0.87	26163522200	0.97
26035000900	0.82	26121000401	0.96	26163522300	0.97
26035001000	0.88	26121001902	0.78	26163527300	0.98
26035001300	0.90	Newaygo	0.83	26163532600	0.86
Clinton	0.91	49337	0.89	26163533000	1.00
48906	0.91	26123970700	0.89	26163533300	0.90
26037010203	0.91	49412	0.80	48209	0.94
Crawford	0.82	26123970300	0.80	26163523400	0.93
49738	0.82	49413	0.75	26163524900	0.96
26039960300	0.82	26123970500	0.75	48210	0.89
Delta	0.86	49457	0.88	26163525400	0.97
49829	0.79	26123971200	0.88	26163526400	0.82
26041971000	0.79	Oakland	0.91	48211	0.94
49894	0.93	48033	0.90	26163518500	0.94
26041970800	0.93	26125160300	0.96	48212	0.91
Dickinson	0.79	26125161800	0.84	26163506500	0.83
49802	0.79	48076	0.85	26163507000	0.95
26043950600	0.79	26125160500	0.80	26163552100	0.96

Eaton	0.84	26125161400	0.90	48213	0.87
48813	0.84	48220	0.95	26163503900	0.86
26045020901	0.84	26125172500	0.95	26163504100	0.89
Genesee	0.87	48237	0.84	26163504200	0.87
48420	0.87	26125171600	0.87	26163504300	0.87
26049010110	0.85	26125172400	0.82	26163504400	0.79
26049012201	0.90	48326	0.94	26163504700	0.89
48433	0.78	26125141100	0.94	26163505400	0.84
26049010502	0.78	48328	0.86	26163505500	0.92
48457	0.82	26125144701	0.86	26163512100	0.94
26049012602	0.82	48334	0.86	26163515900	0.86
48458	0.86	26125166600	0.86	48214	0.90
26049010305	0.93	48336	0.76	26163513600	1.00
26049012310	0.84	26125167300	0.76	26163513900	0.92
26049012311	0.82	48340	0.94	26163514100	0.99
48501	0.85	26125141000	0.91	26163514200	0.93
26049002800	0.85	26125141200	0.99	26163514300	1.00
48503	0.91	26125141300	0.89	26163514500	0.77
26049001100	0.88	26125141500	0.98	26163515200	0.80
26049001400	0.92	48341	0.97	26163515300	0.93
26049002900	0.85	26125142000	0.99	26163515600	0.90
26049003200	0.94	26125142100	0.99	26163516000	0.81
26049013600	0.96	26125142300	0.96	48215	0.92
48504	0.85	26125142700	0.94	26163512300	0.99
26049000100	0.80	48342	0.93	26163512400	0.80
26049000300	0.83	26125141600	1.00	26163512600	0.93
26049000500	0.78	26125141700	0.96	26163512900	0.99
26049001200	0.92	26125142200	0.93	26163513200	0.90
26049010501	0.79	26125142400	0.84	48216	0.98
26049010812	1.00	Oceana	0.89	26163525000	0.98
48505	0.88	49420	0.96	48217	0.88
26049000200	0.92	26127010400	0.96	26163524700	0.88
26049000400	0.90	49452	0.81	26163524800	0.82
26049000600	0.79	26127010600	0.81	26163579300	0.94
26049000800	0.83	Ogemaw	0.81	48218	0.98
26049001000	0.87	48661	0.83	26163579500	0.98
26049001700	0.94	26129950500	0.83	48219	0.89
26049001800	0.81	48739	0.75	26163540600	0.79
26049002000	0.84	26129950100	0.75	26163540700	0.90
26049010304	0.98	48770	0.84	26163540900	0.80
48506	0.89	26129950900	0.84	26163541000	0.95
26049001900	0.93	Osceola	0.81	26163541100	0.79
26049002200	0.81	49338	0.83	26163541400	0.98

26049002300	0.92	26133970600	0.83	26163541500	0.95
26049002400	0.91	49631	0.75	26163541700	0.86
26049002600	0.85	26133970500	0.75	26163544200	0.97
26049003100	0.95	49639	0.89	48221	0.82
48507	0.87	26133970400	0.89	26163530100	0.78
26049003500	0.93	49665	0.77	26163538500	0.78
26049003800	0.93	26133970100	0.77	26163539000	0.86
26049010813	0.81	Oscoda	0.86	26163539100	0.85
26049010912	0.75	48621	0.82	48222	0.96
26049013500	0.92	26135970300	0.82	26163521100	0.96
48532	0.88	48647	0.90	48223	0.84
26049010811	0.88	26135970400	0.90	26163542500	0.77
26049010911	0.88	Otsego	0.90	26163542600	0.82
Gladwin	0.89	49734	0.90	26163543500	0.87
48612	0.89	26137950300	0.90	26163543800	0.87
26051000700	0.89	Presque Isle	0.83	26163543900	0.89
Grand Traverse	0.80	49765	0.83	26163554500	0.85
49685	0.80	26141950400	0.83	48224	0.87
26055551300	0.80	Roscommon	0.87	26163500900	0.86
Gratiot	0.87	48630	0.86	26163501100	0.82
48801	0.83	26143971000	0.86	26163501200	0.91
26057000500	0.83	48651	0.88	26163501300	0.89
48880	0.91	26143970300	0.88	26163501500	0.87
26057000300	0.91	Saginaw	0.91	48225	0.84
Hillsdale	0.78	48601	0.94	26163500700	0.84
49242	0.78	26145000100	0.86	48227	0.87
26059050500	0.79	26145000200	0.92	26163535200	0.80
26059050700	0.78	26145000800	0.90	26163535300	0.92
49250	0.77	26145000900	0.98	26163536600	0.79
26059050300	0.77	26145001000	0.98	26163536700	0.93
Houghton	0.75	26145011000	0.99	26163536900	0.90
49930	0.75	26145011500	0.96	26163537100	0.85
26061000600	0.75	48602	0.89	26163537300	0.97
Huron	0.81	26145001300	0.93	26163537600	0.97
48413	0.81	26145001500	0.81	26163537700	0.90
26063951000	0.81	26145001700	0.98	26163537800	0.81
Ingham	0.84	26145001800	0.95	26163542100	0.79
48910	0.96	26145001900	0.78	26163542200	0.85
26065005304	0.96	48603	0.85	26163542300	0.78
48911	0.82	26145010401	0.85	48228	0.92
26065003601	0.85	48605	0.94	26163535000	0.87
26065005303	0.79	26145000600	0.94	26163535100	0.99

48912	0.76	48607	0.94	26163535400	0.98
26065006500	0.76	26145000400	0.88	26163535700	0.87
48915	0.75	26145000700	1.00	26163545200	0.93
26065000600	0.75	48722	0.88	26163545300	0.99
48917	0.88	26145011600	0.88	26163546500	0.96
26065003500	0.88	48724	0.79	26163546600	0.92
48933	0.91	26145010800	0.79	26163546900	0.80
26065006600	0.91	Sanilac	0.80	48229	0.91
Ionia	0.76	48401	0.78	26163577000	0.92
48846	0.76	26151970900	0.78	26163579600	0.87
26067031600	0.76	48741	0.82	26163579700	0.86
Jackson	0.89	26151971000	0.82	26163579800	0.98
49201	0.90	Schoolcraft	0.83	48234	0.85
26075000200	0.97	49854	0.83	26163506300	0.91
26075000400	0.78	26153000300	0.83	26163506600	0.91
26075000600	0.94	Shiawassee	0.76	26163506800	0.83
26075006900	0.89	48867	0.76	26163506900	0.78
49202	0.85	26155030800	0.76	26163507100	0.83
26075000500	0.76	St. Clair	0.90	26163507400	0.83
26075005900	0.94	48014	0.81	26163507500	0.76
49203	0.90	26147657100	0.81	26163511000	1.00
26075001100	0.98	48060	0.91	48235	0.85
26075001200	0.80	26147620000	0.97	26163538700	0.86
26075001300	0.92	26147621000	0.90	26163539200	0.95
Kalamazoo	0.89	26147624000	0.98	26163539400	0.80
49001	0.94	26147625000	0.79	26163539500	0.88
26077001803	0.94	48061	0.98	26163539600	0.82
49003	0.93	26147636000	0.98	26163539700	0.84
26077001000	0.93	St. Joseph	0.87	26163540100	0.81
49004	0.82	49042	0.85	26163540200	0.87
26077000500	0.82	26149040300	0.92	26163540300	0.86
49007	0.88	26149041101	0.79	26163540400	0.87
26077000202	0.77	49091	0.91	26163540800	0.81
26077000300	0.97	26149040600	0.96	48236	0.89
26077000900	0.90	26149040800	0.85	26163501700	0.96
49019	0.83	49093	0.82	26163551300	0.82
26077001801	0.83	26149040400	0.82	48238	0.89
49048	0.92	Tuscola	0.90	26163530300	0.97
26077005501	0.92	48723	0.87	26163530400	0.87
Kalkaska	0.76	26157000600	0.87	26163530500	0.81
49676	0.76	48768	0.92	26163531600	0.89
26079950200	0.76	26157000900	0.92	26163531700	0.87
49680	0.76	Van Buren	0.87	26163531800	0.92

26079950300	0.76	49026	0.95	26163531900	0.88
Kent	0.90	26159012000	0.95	26163534200	0.91
49503	0.91	49063	0.83	26163536100	0.97
26081001101	0.81	26159010200	0.83	26163536300	0.86
26081003200	0.91	49098	0.81	26163536500	0.83
26081003600	1.00	26159011300	0.81	48240	0.77
49505	0.91	Washtenaw	0.83	26163554400	0.77
26081001102	0.91	48198	0.83	Wexford	0.79
49507	0.97	26161410700	0.78	49601	0.76
26081002800	0.99	26161410800	0.83	26165380800	0.76
26081003100	0.95	26161411900	0.86	49649	0.82
49512	0.87	26161412100	0.85	26165380100	0.82
26081004500	0.87				
49519	0.80				
26081013801	0.80				
49534	0.82				
26081002700	0.82				

Email for Moderna Orders – 3/26/21 - Vulnerable Populations Project Awardees

To: All three email columns listed in spreadsheet

SUBJECT: Notification of Moderna Vaccine Order

MDHHS has submitted an order for distribution of the Moderna vaccine for «Site Name». Your facility will be receiving XXXXX total Moderna doses. These are **all FIRST doses**. These doses have been awarded to your site specifically for continued support in the **Community Outreach/Vulnerable Populations Pilot Project**.

- These doses are anticipated to arrive **Monday or Tuesday**.
- Ancillary kits for Moderna vaccine will arrive within 24 hours of the vaccine.

Temperature reminder: Keep in mind that Moderna is stored at a *narrower frozen temperature range than other routine frozen vaccines such as varicella-containing vaccines*, so please ensure your freezer is within the appropriate range: It is to be stored frozen between -25°C and -15°C (-13°F and 5°F) until expiration. It can also be stored at refrigerated temperatures between 2°C and 8°C (36°F and 46°F) for up to 30 days before vials are punctured.

For resources and support, please visit our website [COVID-19 Vaccine Provider Guidance & Educational Resources](#).

VaccineFinder Requirement Reminder: All providers must report inventory each day to VaccineFinder, as required by CDC. For tip sheets and videos on using VaccineFinder, please visit <https://vaccinefinder.org/covid-provider-resources>.

- Contact Information for VaccineFinder Provider Support
 - eocevent522@cdc.gov for registration / email change help and for general COVID VaccineFinder inquiries, or
 - vaccinefinder@castlighthealth.com for technical assistance with account log-in problems, password resets, file upload errors, etc.

FIRST DOSES will no longer be ordered via requests. First dose orders have transitioned to allocation-based ordering only (order notifications will continue for both).

SECOND DOSES will no longer be ordered via requests. Second dose orders have transitioned to allocations based on previous first dose orders. For Pfizer, second dose orders will be sent 3 weeks after the first dose Pfizer order was placed. Second dose orders for Moderna doses 4 weeks after the first dose Moderna order was placed.

It is the responsibility of the ordering provider to ensure that second doses are not used for first doses and are available for timely second dose vaccination. **Please mark second dose vaccine packaging as SECOND DOSE ONLY to visually identified that these vaccines are reserved for**

second dose. Ideally, these vaccines would be stored in a separate shelf or freezer/refrigerator. CDC is allocating exact numbers of second doses based on first doses distributed. If you have inadvertently used your second dose as first dose, you will need to make use of your existing first dose inventory to make up that lapse.

Use of vaccine: Michigan is currently vaccinating individuals who are:

PHASE 1A: Paid and unpaid persons serving in health care settings who have the potential for direct or indirect exposure to patients or infectious materials and are unable to work from home, as well as residents in long-term care facilities.

PHASE 1B Group A and B only:

Group A: Persons 75 years of age or older not covered in Phase 1A. This includes those in a congregate setting that were not reached in Phase 1A.

Group B: Prioritized frontline workers whose work role has frequent or intense exposure, and, due to the nature of the work, are not able to maintain social distance. For example, a first responder may have to physically touch other people in their response, and a child care provider cannot maintain social distance from children when caring for their physical needs. The specific prioritized categories are:

- Pre-Kindergarten through high school teachers, support staff and child care workers who usually have direct contact with children
- First responders not covered in Phase 1A (e.g., firefighters, police, conservation officers, inspectors)
- Corrections workers (e.g., staff in prisons, jails, juvenile justice facilities)
- Workers in homeless shelters, congregate child care institutions, and adult and child protective services
- Beginning March 1, 2021: Frontline essential workers in the food processing and agricultural industries

PHASE 1C Group A: Individuals age 65 to 74 years. This includes those in congregate settings that were not reached in prior Phases.

March 8, 2021: People who are aged 50 and up with medical conditions and disabilities, as well as caregiver family members and guardians age 16 and older of children who have special health care needs (part of Phase 1C Groups B and C). This includes individuals in Phase 1B Group B who live in congregate settings (i.e., homeless shelters, jails, prisons)

March 22, 2021: people who are aged 50 and up (part of Phase 2), as well as vaccination of people aged 16 and up who have disabilities and/or medical conditions, as well as their caregiver family members and guardians.

April 5, 2021: all people aged 16 and up who were not previously eligible.

Coordination: Local health departments are responsible for oversight and implementation of the vaccine strategy within their jurisdictions. They play a crucial convening and coordination role in both the distribution and administration of vaccine.

Hospitals are being provided this vaccine to administer to individuals who are in Phase 1a and individuals who are aged 65 years or older (Phase 1b Group A and Phase 1c Group A). Any vaccinations of non-health care essential workers in Phase 1b Group B should be coordinated with the local health department. Other groups are not currently eligible for vaccination.)

Vaccine Transfer: The Covid-19 vaccine is a federal asset and requires proper accounting at provider, state and federal levels. Transfer of vaccine should be minimized, may only occur between Federally Enrolled COVID providers for the same use that the vaccine was originally allocated for, and must be made after review of the Federal COVID vaccine redistribution form by the state health department Immunization Program. The vaccine inventory can then be transferred within MCIR to the new provider.

If an ordering provider is unable to use their allocated doses within the intended population in a reasonable time frame, they should reach out to the local health department they are located in to identify a partner who can make appropriate use of the vaccine and to coordinate the transfer. Each ordering provider is responsible for managing the need and timing for second dose. If you transfer doses you are responsible for assuring second doses are transferred to that provider as well.

Outreach: MDHHS is committed to ensuring that all Michiganders have equitable access to vaccines. Ordering providers can make use of the below table to identify zip codes and census tracts to focus outreach efforts (see attached SVI Outreach Zip Codes). The table includes the census tracts which are in the highest quartile for Social Vulnerability Index and their associated zip codes.

Reminders and Resources for Support:

- Please review our new MDHHS website [COVID-19 Vaccine Provider Guidance & Educational Resources](#). Save/bookmark this site as it will be updated frequently.
 - **Moderna-specific materials are available on this website.**
- Expiration date lookup: [Vial Expiration Date Lookup | Moderna COVID-19 Vaccine \(EUA\)](#) ([modernatx.com](#))
- **Distributors utilize the shipping hours as entered in your MCIR VFC Shipping tab.** Please ensure your shipping hours and address correctly reflect your ability to receive orders. To check shipping information in your MCIR site (hours, address, etc.), please [utilize this tip sheet](#).
- **Sign up to Review Order Details and Receive Shipment Emails with Tracking IDs**
 - Review this [tip sheet](#) to see how you can review order details and receive email notifications for shipments, including tracking IDs. This allows you to add “e-order contacts” to your MCIR site for this enhanced order review ability. These

emails will come from mcir@michigan.gov. This guidance is also included on [our website](#), along with additional inventory support.

If you have questions, please email checcimms@michigan.gov.

Thank you.

County, ZIP and High-Risk Census Tracts	High-risk Tract, SVI Score (2014-18)	County, ZIP and High-Risk Census Tracts	High-risk Tract, SVI Score (2014-18)	County, ZIP and High-Risk Census Tracts	High-risk Tract, SVI Score (2014-18)
Allegan	0.82	Lake	0.87	Wayne	0.89
49010	0.88	49402	0.92	48125	0.80
26005031000	0.88	26085961200	0.92	26163572500	0.81
49423	0.77	49642	0.82	26163572900	0.79
26005032200	0.77	26085961100	0.82	48126	0.83
Arenac	0.77	Lenawee	0.93	26163573400	0.83
48658	0.77	49221	0.95	48127	0.77
26011970200	0.77	26091061301	0.99	26163571800	0.79
48659	0.77	26091061302	0.98	26163571900	0.76
26011970500	0.77	26091061400	0.87	48141	0.94
Baraga	0.77	26091061600	0.96	26163570400	0.98
49946	0.77	49248	0.87	26163570500	0.90
26013000200	0.77	26091061700	0.87	26163570600	0.93
Bay	0.82	Mackinac	0.83	26163570800	0.99
48706	0.80	49775	0.83	26163570900	0.89
26017280700	0.76	26097950500	0.83	26163571000	0.92
26017285800	0.84	Macomb	0.85	48146	0.77
48708	0.84	48015	0.84	26163577300	0.77
26017280900	0.76	26099268100	0.84	48174	0.81
26017286500	0.93	48021	0.79	26163585500	0.87
48732	0.82	26099258300	0.78	26163585700	0.76
26017285202	0.82	26099258400	0.80	48180	0.87
Berrien	0.88	48035	0.78	26163583200	0.76
49022	0.94	26099241500	0.79	26163584200	0.92
26021000300	0.93	26099242100	0.78	26163584600	0.92
26021000400	1.00	48036	0.85	48184	0.83
26021000500	0.91	26099240800	0.76	26163566500	0.85
26021000600	0.95	26099245000	0.94	26163566900	0.85
26021002000	0.82	48043	0.98	26163585600	0.80
26021002100	0.98	26099240000	1.00	48186	0.96
26021002200	1.00	26099247100	0.95	26163568500	0.96

26021002300	0.92	48045	0.76	48201	0.92
49038	0.77	26099241000	0.76	26163517500	0.91
26021002500	0.77	48051	0.78	26163521800	0.89
49098	0.82	26099222101	0.78	26163522500	0.95
26021010300	0.82	48066	0.86	48202	0.93
49107	0.76	26099255200	0.83	26163511200	0.94
26021020200	0.76	26099255700	0.83	26163511900	0.91
49111	0.77	26099256100	0.80	26163532400	0.95
26021010500	0.77	26099256600	0.97	48203	0.92
49120	0.86	48089	0.85	26163507800	0.98
26021020500	0.85	26099262600	0.77	26163507900	0.77
26021020700	0.96	26099264000	0.96	26163508000	0.96
26021020900	0.78	26099264200	0.81	26163508100	0.94
Branch	0.89	26099268400	0.85	26163511400	1.00
49030	0.79	48091	0.91	26163553000	0.89
26023951200	0.79	26099262400	0.99	26163553100	0.91
49036	0.94	26099262500	0.78	26163553200	0.80
26023951400	0.91	26099263200	0.95	26163553300	0.92
26023951600	0.97	26099263500	0.90	26163553400	0.99
Calhoun	0.90	26099263600	0.95	26163553800	0.90
49014	0.91	26099263800	0.89	48204	0.93
26025000600	0.94	48314	0.76	26163526500	0.98
26025002100	0.88	26099228100	0.76	26163527200	0.99
49015	0.91	Mason	0.76	26163530800	0.94
26025001300	0.97	49405	0.76	26163533500	0.94
26025001400	0.85	26105950600	0.76	26163533600	0.88
49016	0.96	Mecosta	0.85	26163534600	0.88
26025004100	0.96	49307	0.85	26163534700	0.89
49017	0.93	26107960500	0.85	48205	0.86
26025001100	0.93	Missaukee	0.83	26163500300	0.84
49037	0.91	49667	0.83	26163500400	0.88
26025000300	0.99	26113960100	0.83	26163503100	0.88
26025001000	0.96	Monroe	0.97	26163503400	0.88
26025002600	0.80	48161	0.97	26163503500	0.86
49068	0.76	26115831800	0.97	26163503600	0.90
26025004000	0.76	Montcalm	0.79	26163505200	0.79
49224	0.89	48809	0.81	48206	0.91
26025003300	0.97	26117971300	0.81	26163530900	0.99
26025003500	0.77	48812	0.76	26163531100	1.00
26025003600	0.93	26117970200	0.76	26163531400	0.85
Cass	0.89	48886	0.79	26163532200	0.90
49045	0.86	26117970400	0.79	26163533100	0.91
26027002000	0.86	Muskegon	0.91	26163533200	0.84

49047	0.93	49442	0.94	48207	0.89
26027002100	0.93	26121000100	0.86	26163516200	0.99
Cheboygan	0.89	26121000300	0.99	26163516300	0.90
49721	0.89	26121000500	0.98	26163516600	0.94
26031960300	0.89	49443	0.93	26163516700	0.83
Chippewa	0.80	26121004200	0.93	26163516800	0.85
49783	0.80	49444	0.90	26163518600	0.76
26033970200	0.84	26121000601	0.89	26163518800	0.87
26033970300	0.76	26121001200	0.86	26163518900	0.97
Clare	0.84	26121001300	0.91	48208	0.93
48617	0.75	26121002601	0.84	26163522000	0.98
26035000600	0.75	26121004300	1.00	26163522100	0.77
48625	0.86	49445	0.87	26163522200	0.97
26035000900	0.82	26121000401	0.96	26163522300	0.97
26035001000	0.88	26121001902	0.78	26163527300	0.98
26035001300	0.90	Newaygo	0.83	26163532600	0.86
Clinton	0.91	49337	0.89	26163533000	1.00
48906	0.91	26123970700	0.89	26163533300	0.90
26037010203	0.91	49412	0.80	48209	0.94
Crawford	0.82	26123970300	0.80	26163523400	0.93
49738	0.82	49413	0.75	26163524900	0.96
26039960300	0.82	26123970500	0.75	48210	0.89
Delta	0.86	49457	0.88	26163525400	0.97
49829	0.79	26123971200	0.88	26163526400	0.82
26041971000	0.79	Oakland	0.91	48211	0.94
49894	0.93	48033	0.90	26163518500	0.94
26041970800	0.93	26125160300	0.96	48212	0.91
Dickinson	0.79	26125161800	0.84	26163506500	0.83
49802	0.79	48076	0.85	26163507000	0.95
26043950600	0.79	26125160500	0.80	26163552100	0.96
Eaton	0.84	26125161400	0.90	48213	0.87
48813	0.84	48220	0.95	26163503900	0.86
26045020901	0.84	26125172500	0.95	26163504100	0.89
Genesee	0.87	48237	0.84	26163504200	0.87
48420	0.87	26125171600	0.87	26163504300	0.87
26049010110	0.85	26125172400	0.82	26163504400	0.79
26049012201	0.90	48326	0.94	26163504700	0.89
48433	0.78	26125141100	0.94	26163505400	0.84
26049010502	0.78	48328	0.86	26163505500	0.92
48457	0.82	26125144701	0.86	26163512100	0.94
26049012602	0.82	48334	0.86	26163515900	0.86
48458	0.86	26125166600	0.86	48214	0.90

26049010305	0.93	48336	0.76	26163513600	1.00
26049012310	0.84	26125167300	0.76	26163513900	0.92
26049012311	0.82	48340	0.94	26163514100	0.99
48501	0.85	26125141000	0.91	26163514200	0.93
26049002800	0.85	26125141200	0.99	26163514300	1.00
48503	0.91	26125141300	0.89	26163514500	0.77
26049001100	0.88	26125141500	0.98	26163515200	0.80
26049001400	0.92	48341	0.97	26163515300	0.93
26049002900	0.85	26125142000	0.99	26163515600	0.90
26049003200	0.94	26125142100	0.99	26163516000	0.81
26049013600	0.96	26125142300	0.96	48215	0.92
48504	0.85	26125142700	0.94	26163512300	0.99
26049000100	0.80	48342	0.93	26163512400	0.80
26049000300	0.83	26125141600	1.00	26163512600	0.93
26049000500	0.78	26125141700	0.96	26163512900	0.99
26049001200	0.92	26125142200	0.93	26163513200	0.90
26049010501	0.79	26125142400	0.84	48216	0.98
26049010812	1.00	Oceana	0.89	26163525000	0.98
48505	0.88	49420	0.96	48217	0.88
26049000200	0.92	26127010400	0.96	26163524700	0.88
26049000400	0.90	49452	0.81	26163524800	0.82
26049000600	0.79	26127010600	0.81	26163579300	0.94
26049000800	0.83	Ogemaw	0.81	48218	0.98
26049001000	0.87	48661	0.83	26163579500	0.98
26049001700	0.94	26129950500	0.83	48219	0.89
26049001800	0.81	48739	0.75	26163540600	0.79
26049002000	0.84	26129950100	0.75	26163540700	0.90
26049010304	0.98	48770	0.84	26163540900	0.80
48506	0.89	26129950900	0.84	26163541000	0.95
26049001900	0.93	Osceola	0.81	26163541100	0.79
26049002200	0.81	49338	0.83	26163541400	0.98
26049002300	0.92	26133970600	0.83	26163541500	0.95
26049002400	0.91	49631	0.75	26163541700	0.86
26049002600	0.85	26133970500	0.75	26163544200	0.97
26049003100	0.95	49639	0.89	48221	0.82
48507	0.87	26133970400	0.89	26163530100	0.78
26049003500	0.93	49665	0.77	26163538500	0.78
26049003800	0.93	26133970100	0.77	26163539000	0.86
26049010813	0.81	Oscoda	0.86	26163539100	0.85
26049010912	0.75	48621	0.82	48222	0.96
26049013500	0.92	26135970300	0.82	26163521100	0.96
48532	0.88	48647	0.90	48223	0.84
26049010811	0.88	26135970400	0.90	26163542500	0.77

26049010911	0.88	Otsego	0.90	26163542600	0.82
Gladwin	0.89	49734	0.90	26163543500	0.87
48612	0.89	26137950300	0.90	26163543800	0.87
26051000700	0.89	Presque Isle	0.83	26163543900	0.89
Grand Traverse	0.80	49765	0.83	26163554500	0.85
49685	0.80	26141950400	0.83	48224	0.87
26055551300	0.80	Roscommon	0.87	26163500900	0.86
Gratiot	0.87	48630	0.86	26163501100	0.82
48801	0.83	26143971000	0.86	26163501200	0.91
26057000500	0.83	48651	0.88	26163501300	0.89
48880	0.91	26143970300	0.88	26163501500	0.87
26057000300	0.91	Saginaw	0.91	48225	0.84
Hillsdale	0.78	48601	0.94	26163500700	0.84
49242	0.78	26145000100	0.86	48227	0.87
26059050500	0.79	26145000200	0.92	26163535200	0.80
26059050700	0.78	26145000800	0.90	26163535300	0.92
49250	0.77	26145000900	0.98	26163536600	0.79
26059050300	0.77	26145001000	0.98	26163536700	0.93
Houghton	0.75	26145011000	0.99	26163536900	0.90
49930	0.75	26145011500	0.96	26163537100	0.85
26061000600	0.75	48602	0.89	26163537300	0.97
Huron	0.81	26145001300	0.93	26163537600	0.97
48413	0.81	26145001500	0.81	26163537700	0.90
26063951000	0.81	26145001700	0.98	26163537800	0.81
Ingham	0.84	26145001800	0.95	26163542100	0.79
48910	0.96	26145001900	0.78	26163542200	0.85
26065005304	0.96	48603	0.85	26163542300	0.78
48911	0.82	26145010401	0.85	48228	0.92
26065003601	0.85	48605	0.94	26163535000	0.87
26065005303	0.79	26145000600	0.94	26163535100	0.99
48912	0.76	48607	0.94	26163535400	0.98
26065006500	0.76	26145000400	0.88	26163535700	0.87
48915	0.75	26145000700	1.00	26163545200	0.93
26065000600	0.75	48722	0.88	26163545300	0.99
48917	0.88	26145011600	0.88	26163546500	0.96
26065003500	0.88	48724	0.79	26163546600	0.92
48933	0.91	26145010800	0.79	26163546900	0.80
26065006600	0.91	Sanilac	0.80	48229	0.91
Ionia	0.76	48401	0.78	26163577000	0.92
48846	0.76	26151970900	0.78	26163579600	0.87
26067031600	0.76	48741	0.82	26163579700	0.86
Jackson	0.89	26151971000	0.82	26163579800	0.98

49201	0.90	Schoolcraft	0.83	48234	0.85
26075000200	0.97	49854	0.83	26163506300	0.91
26075000400	0.78	26153000300	0.83	26163506600	0.91
26075000600	0.94	Shiawassee	0.76	26163506800	0.83
26075006900	0.89	48867	0.76	26163506900	0.78
49202	0.85	26155030800	0.76	26163507100	0.83
26075000500	0.76	St. Clair	0.90	26163507400	0.83
26075005900	0.94	48014	0.81	26163507500	0.76
49203	0.90	26147657100	0.81	26163511000	1.00
26075001100	0.98	48060	0.91	48235	0.85
26075001200	0.80	26147620000	0.97	26163538700	0.86
26075001300	0.92	26147621000	0.90	26163539200	0.95
Kalamazoo	0.89	26147624000	0.98	26163539400	0.80
49001	0.94	26147625000	0.79	26163539500	0.88
26077001803	0.94	48061	0.98	26163539600	0.82
49003	0.93	26147636000	0.98	26163539700	0.84
26077001000	0.93	St. Joseph	0.87	26163540100	0.81
49004	0.82	49042	0.85	26163540200	0.87
26077000500	0.82	26149040300	0.92	26163540300	0.86
49007	0.88	26149041101	0.79	26163540400	0.87
26077000202	0.77	49091	0.91	26163540800	0.81
26077000300	0.97	26149040600	0.96	48236	0.89
26077000900	0.90	26149040800	0.85	26163501700	0.96
49019	0.83	49093	0.82	26163551300	0.82
26077001801	0.83	26149040400	0.82	48238	0.89
49048	0.92	Tuscola	0.90	26163530300	0.97
26077005501	0.92	48723	0.87	26163530400	0.87
Kalkaska	0.76	26157000600	0.87	26163530500	0.81
49676	0.76	48768	0.92	26163531600	0.89
26079950200	0.76	26157000900	0.92	26163531700	0.87
49680	0.76	Van Buren	0.87	26163531800	0.92
26079950300	0.76	49026	0.95	26163531900	0.88
Kent	0.90	26159012000	0.95	26163534200	0.91
49503	0.91	49063	0.83	26163536100	0.97
26081001101	0.81	26159010200	0.83	26163536300	0.86
26081003200	0.91	49098	0.81	26163536500	0.83
26081003600	1.00	26159011300	0.81	48240	0.77
49505	0.91	Washtenaw	0.83	26163554400	0.77
26081001102	0.91	48198	0.83	Wexford	0.79
49507	0.97	26161410700	0.78	49601	0.76
26081002800	0.99	26161410800	0.83	26165380800	0.76
26081003100	0.95	26161411900	0.86	49649	0.82
49512	0.87	26161412100	0.85	26165380100	0.82

26081004500	0.87
49519	0.80
26081013801	0.80
49534	0.82
26081002700	0.82

Email for Moderna Orders – 3-26-21

To: Email 1 and Email 2 in spreadsheet

SUBJECT: Notification of Moderna Vaccine Order

MDHHS has submitted an order for distribution of the Moderna vaccine for «Site Name». Your facility will be receiving XXXXX total Moderna doses in the upcoming week:

- XXXX are designated as FIRST doses.
- XXXX are designated as SECOND doses.

These doses are anticipated to arrive either Monday or Tuesday.

Ancillary kits for Moderna vaccine will arrive within 24 hours of the vaccine.

Please always refer to the most up-to-date MDHHS Vaccination Prioritization Guidance.

Temperature reminder: Keep in mind that Moderna is stored at a *more narrow frozen temperature range than other routine frozen vaccines such as varicella-containing vaccines*, so please ensure your freezer is within the appropriate range: It is to be stored frozen between -25°C and -15°C (-13°F and 5°F). It can also be stored at refrigerated temperatures between 2°C and 8°C (36°F and 46°F) for up to 30 days before vials are punctured.

VaccineFinder Requirement Reminder: All providers must report inventory each day to VaccineFinder, as required by CDC. For tip sheets and videos on using VaccineFinder, please visit <https://vaccinefinder.org/covid-provider-resources>.

- Contact Information for VaccineFinder Provider Support
 - eocevent522@cdc.gov for registration / email change help and for general COVID VaccineFinder inquiries, or
 - vaccinefinder@castlighthousehealth.com for technical assistance with account log-in problems, password resets, file upload errors, etc.

FIRST DOSES will no longer be ordered via requests. First dose orders have transitioned to allocation-based ordering only (order notifications will continue for both).

SECOND DOSES will no longer be ordered via requests. Second dose orders have transitioned to allocations based on previous first dose orders. They will be ordered automatically for your site. For Pfizer, second dose orders will be sent 3 weeks after the first dose Pfizer order was placed. For Moderna, second dose orders will be sent 4 weeks after the first dose Moderna order was placed.

It is the responsibility of the ordering provider to ensure that second doses are not used for first doses and are available for timely second dose vaccination. **Please mark second dose vaccine**

packaging as **SECOND DOSE ONLY** to visually identified that these vaccines are reserved for second dose. Ideally, these vaccines would be stored in a separate shelf or freezer/refrigerator. CDC is allocating exact numbers of second doses based on first doses distributed. If you have inadvertently used your second dose as first dose, you will need to make use of your existing first dose inventory to make up that lapse.

Use of vaccine: Michigan is currently vaccinating individuals who are:

PHASE 1A: Paid and unpaid persons serving in health care settings who have the potential for direct or indirect exposure to patients or infectious materials and are unable to work from home, as well as residents in long-term care facilities.

PHASE 1B Group A and B only:

Group A: Persons 75 years of age or older not covered in Phase 1A. This includes those in a congregate setting that were not reached in Phase 1A.

Group B: Prioritized frontline workers whose work role has frequent or intense exposure, and, due to the nature of the work, are not able to maintain social distance. For example, a first responder may have to physically touch other people in their response, and a child care provider cannot maintain social distance from children when caring for their physical needs. The specific prioritized categories are:

- Pre-Kindergarten through high school teachers, support staff and child care workers who usually have direct contact with children
- First responders not covered in Phase 1A (e.g., firefighters, police, conservation officers, inspectors)
- Corrections workers (e.g., staff in prisons, jails, juvenile justice facilities)
- Workers in homeless shelters, congregate child care institutions, and adult and child protective services
- Beginning March 1, 2021: Frontline essential workers in the food processing and agricultural industries

PHASE 1C Group A: Individuals age 65 to 74 years. This includes those in congregate settings that were not reached in prior Phases.

March 8, 2021: People who are aged 50 and up with medical conditions and disabilities, as well as caregiver family members and guardians age 16 and older of children who have special health care needs (part of Phase 1C Groups B and C). This includes individuals in Phase 1B Group B who live in congregate settings (i.e., homeless shelters, jails, prisons)

March 22, 2021: people who are aged 50 and up (part of Phase 2), as well as vaccination of people aged 16 and up who have disabilities and/or medical conditions, as well as their caregiver family members and guardians.

April 5, 2021: all people aged 16 and up who were not previously eligible.

Coordination: Local health departments are responsible for oversight and implementation of the vaccine strategy within their jurisdictions. They play a crucial convening and coordination role in both the distribution and administration of vaccine.

Hospitals are being provided this vaccine to administer to individuals who are in Phase 1a and individuals who are aged 65 years or older (Phase 1b Group A and Phase 1c Group A). Any vaccinations of non-health care essential workers in Phase 1b Group B should be coordinated with the local health department. Other groups are not currently eligible for vaccination.)

Vaccine Transfer: The Covid-19 vaccine is a federal asset and requires proper accounting at provider, state and federal levels. Transfer of vaccine should be minimized, may only occur between Federally Enrolled COVID providers for the same use that the vaccine was originally allocated for, and must be made after review of the Federal COVID vaccine redistribution form by the state health department Immunization Program. The vaccine inventory can then be transferred within MCIR to the new provider.

If an ordering provider is unable to use their allocated doses within the intended population in a reasonable time frame, they should reach out to the local health department they are located in to identify a partner who can make appropriate use of the vaccine and to coordinate the transfer. Each ordering provider is responsible for managing the need and timing for second dose. If you transfer doses you are responsible for assuring second doses are transferred to that provider as well.

Outreach: MDHHS is committed to ensuring that all Michiganders have equitable access to vaccines. Ordering providers can make use of the below table to identify zip codes and census tracts to focus outreach efforts (see attached SVI Outreach Zip Codes). The table includes the census tracts which are in the highest quartile for Social Vulnerability Index and their associated zip codes.

Reminders and Resources for Support:

- Please review our new MDHHS website [COVID-19 Vaccine Provider Guidance & Educational Resources](#). Save/bookmark this site as it will be updated frequently.
 - **Moderna-specific materials are available on this website**
- **Distributors utilize the shipping hours as entered in your MCIR VFC Shipping tab.** Please ensure your shipping hours and address correctly reflect your ability to receive orders. To check shipping information in your MCIR site (hours, address, etc.), please [utilize this tip sheet](#).

Sign up to Review Order Details and [Receive Shipment Emails](#) with Tracking IDs

- Review this [tip sheet](#) to see how you can review order details and receive email notifications for shipments, including tracking IDs. This allows you to add “**e-order contacts**” to your MCIR site for this enhanced order review ability. These emails will come from mcir@michigan.gov. This guidance is also included on [our website](#), along with additional inventory support.

If you have questions, please email checcimms@michigan.gov.

Thank you.

County, ZIP and High-Risk Census Tracts	High-risk Tract, SVI Score (2014-18)	County, ZIP and High-Risk Census Tracts	High-risk Tract, SVI Score (2014-18)	County, ZIP and High-Risk Census Tracts	High-risk Tract, SVI Score (2014-18)
Allegan	0.82	Lake	0.87	Wayne	0.89
49010	0.88	49402	0.92	48125	0.80
26005031000	0.88	26085961200	0.92	26163572500	0.81
49423	0.77	49642	0.82	26163572900	0.79
26005032200	0.77	26085961100	0.82	48126	0.83
Arenac	0.77	Lenawee	0.93	26163573400	0.83
48658	0.77	49221	0.95	48127	0.77
26011970200	0.77	26091061301	0.99	26163571800	0.79
48659	0.77	26091061302	0.98	26163571900	0.76
26011970500	0.77	26091061400	0.87	48141	0.94
Baraga	0.77	26091061600	0.96	26163570400	0.98
49946	0.77	49248	0.87	26163570500	0.90
26013000200	0.77	26091061700	0.87	26163570600	0.93
Bay	0.82	Mackinac	0.83	26163570800	0.99
48706	0.80	49775	0.83	26163570900	0.89
26017280700	0.76	26097950500	0.83	26163571000	0.92
26017285800	0.84	Macomb	0.85	48146	0.77
48708	0.84	48015	0.84	26163577300	0.77
26017280900	0.76	26099268100	0.84	48174	0.81
26017286500	0.93	48021	0.79	26163585500	0.87
48732	0.82	26099258300	0.78	26163585700	0.76
26017285202	0.82	26099258400	0.80	48180	0.87
Berrien	0.88	48035	0.78	26163583200	0.76
49022	0.94	26099241500	0.79	26163584200	0.92
26021000300	0.93	26099242100	0.78	26163584600	0.92
26021000400	1.00	48036	0.85	48184	0.83
26021000500	0.91	26099240800	0.76	26163566500	0.85
26021000600	0.95	26099245000	0.94	26163566900	0.85
26021002000	0.82	48043	0.98	26163585600	0.80
26021002100	0.98	26099240000	1.00	48186	0.96
26021002200	1.00	26099247100	0.95	26163568500	0.96
26021002300	0.92	48045	0.76	48201	0.92
49038	0.77	26099241000	0.76	26163517500	0.91

26021002500	0.77	48051	0.78	26163521800	0.89
49098	0.82	26099222101	0.78	26163522500	0.95
26021010300	0.82	48066	0.86	48202	0.93
49107	0.76	26099255200	0.83	26163511200	0.94
26021020200	0.76	26099255700	0.83	26163511900	0.91
49111	0.77	26099256100	0.80	26163532400	0.95
26021010500	0.77	26099256600	0.97	48203	0.92
49120	0.86	48089	0.85	26163507800	0.98
26021020500	0.85	26099262600	0.77	26163507900	0.77
26021020700	0.96	26099264000	0.96	26163508000	0.96
26021020900	0.78	26099264200	0.81	26163508100	0.94
Branch	0.89	26099268400	0.85	26163511400	1.00
49030	0.79	48091	0.91	26163553000	0.89
26023951200	0.79	26099262400	0.99	26163553100	0.91
49036	0.94	26099262500	0.78	26163553200	0.80
26023951400	0.91	26099263200	0.95	26163553300	0.92
26023951600	0.97	26099263500	0.90	26163553400	0.99
Calhoun	0.90	26099263600	0.95	26163553800	0.90
49014	0.91	26099263800	0.89	48204	0.93
26025000600	0.94	48314	0.76	26163526500	0.98
26025002100	0.88	26099228100	0.76	26163527200	0.99
49015	0.91	Mason	0.76	26163530800	0.94
26025001300	0.97	49405	0.76	26163533500	0.94
26025001400	0.85	26105950600	0.76	26163533600	0.88
49016	0.96	Mecosta	0.85	26163534600	0.88
26025004100	0.96	49307	0.85	26163534700	0.89
49017	0.93	26107960500	0.85	48205	0.86
26025001100	0.93	Missaukee	0.83	26163500300	0.84
49037	0.91	49667	0.83	26163500400	0.88
26025000300	0.99	26113960100	0.83	26163503100	0.88
26025001000	0.96	Monroe	0.97	26163503400	0.88
26025002600	0.80	48161	0.97	26163503500	0.86
49068	0.76	26115831800	0.97	26163503600	0.90
26025004000	0.76	Montcalm	0.79	26163505200	0.79
49224	0.89	48809	0.81	48206	0.91
26025003300	0.97	26117971300	0.81	26163530900	0.99
26025003500	0.77	48812	0.76	26163531100	1.00
26025003600	0.93	26117970200	0.76	26163531400	0.85
Cass	0.89	48886	0.79	26163532200	0.90
49045	0.86	26117970400	0.79	26163533100	0.91
26027002000	0.86	Muskegon	0.91	26163533200	0.84
49047	0.93	49442	0.94	48207	0.89
26027002100	0.93	26121000100	0.86	26163516200	0.99

Cheboygan	0.89	26121000300	0.99	26163516300	0.90
49721	0.89	26121000500	0.98	26163516600	0.94
26031960300	0.89	49443	0.93	26163516700	0.83
Chippewa	0.80	26121004200	0.93	26163516800	0.85
49783	0.80	49444	0.90	26163518600	0.76
26033970200	0.84	26121000601	0.89	26163518800	0.87
26033970300	0.76	26121001200	0.86	26163518900	0.97
Clare	0.84	26121001300	0.91	48208	0.93
48617	0.75	26121002601	0.84	26163522000	0.98
26035000600	0.75	26121004300	1.00	26163522100	0.77
48625	0.86	49445	0.87	26163522200	0.97
26035000900	0.82	26121000401	0.96	26163522300	0.97
26035001000	0.88	26121001902	0.78	26163527300	0.98
26035001300	0.90	Newaygo	0.83	26163532600	0.86
Clinton	0.91	49337	0.89	26163533000	1.00
48906	0.91	26123970700	0.89	26163533300	0.90
26037010203	0.91	49412	0.80	48209	0.94
Crawford	0.82	26123970300	0.80	26163523400	0.93
49738	0.82	49413	0.75	26163524900	0.96
26039960300	0.82	26123970500	0.75	48210	0.89
Delta	0.86	49457	0.88	26163525400	0.97
49829	0.79	26123971200	0.88	26163526400	0.82
26041971000	0.79	Oakland	0.91	48211	0.94
49894	0.93	48033	0.90	26163518500	0.94
26041970800	0.93	26125160300	0.96	48212	0.91
Dickinson	0.79	26125161800	0.84	26163506500	0.83
49802	0.79	48076	0.85	26163507000	0.95
26043950600	0.79	26125160500	0.80	26163552100	0.96
Eaton	0.84	26125161400	0.90	48213	0.87
48813	0.84	48220	0.95	26163503900	0.86
26045020901	0.84	26125172500	0.95	26163504100	0.89
Genesee	0.87	48237	0.84	26163504200	0.87
48420	0.87	26125171600	0.87	26163504300	0.87
26049010110	0.85	26125172400	0.82	26163504400	0.79
26049012201	0.90	48326	0.94	26163504700	0.89
48433	0.78	26125141100	0.94	26163505400	0.84
26049010502	0.78	48328	0.86	26163505500	0.92
48457	0.82	26125144701	0.86	26163512100	0.94
26049012602	0.82	48334	0.86	26163515900	0.86
48458	0.86	26125166600	0.86	48214	0.90
26049010305	0.93	48336	0.76	26163513600	1.00
26049012310	0.84	26125167300	0.76	26163513900	0.92

26049012311	0.82	48340	0.94	26163514100	0.99
48501	0.85	26125141000	0.91	26163514200	0.93
26049002800	0.85	26125141200	0.99	26163514300	1.00
48503	0.91	26125141300	0.89	26163514500	0.77
26049001100	0.88	26125141500	0.98	26163515200	0.80
26049001400	0.92	48341	0.97	26163515300	0.93
26049002900	0.85	26125142000	0.99	26163515600	0.90
26049003200	0.94	26125142100	0.99	26163516000	0.81
26049013600	0.96	26125142300	0.96	48215	0.92
48504	0.85	26125142700	0.94	26163512300	0.99
26049000100	0.80	48342	0.93	26163512400	0.80
26049000300	0.83	26125141600	1.00	26163512600	0.93
26049000500	0.78	26125141700	0.96	26163512900	0.99
26049001200	0.92	26125142200	0.93	26163513200	0.90
26049010501	0.79	26125142400	0.84	48216	0.98
26049010812	1.00	Oceana	0.89	26163525000	0.98
48505	0.88	49420	0.96	48217	0.88
26049000200	0.92	26127010400	0.96	26163524700	0.88
26049000400	0.90	49452	0.81	26163524800	0.82
26049000600	0.79	26127010600	0.81	26163579300	0.94
26049000800	0.83	Ogemaw	0.81	48218	0.98
26049001000	0.87	48661	0.83	26163579500	0.98
26049001700	0.94	26129950500	0.83	48219	0.89
26049001800	0.81	48739	0.75	26163540600	0.79
26049002000	0.84	26129950100	0.75	26163540700	0.90
26049010304	0.98	48770	0.84	26163540900	0.80
48506	0.89	26129950900	0.84	26163541000	0.95
26049001900	0.93	Osceola	0.81	26163541100	0.79
26049002200	0.81	49338	0.83	26163541400	0.98
26049002300	0.92	26133970600	0.83	26163541500	0.95
26049002400	0.91	49631	0.75	26163541700	0.86
26049002600	0.85	26133970500	0.75	26163544200	0.97
26049003100	0.95	49639	0.89	48221	0.82
48507	0.87	26133970400	0.89	26163530100	0.78
26049003500	0.93	49665	0.77	26163538500	0.78
26049003800	0.93	26133970100	0.77	26163539000	0.86
26049010813	0.81	Oscoda	0.86	26163539100	0.85
26049010912	0.75	48621	0.82	48222	0.96
26049013500	0.92	26135970300	0.82	26163521100	0.96
48532	0.88	48647	0.90	48223	0.84
26049010811	0.88	26135970400	0.90	26163542500	0.77
26049010911	0.88	Otsego	0.90	26163542600	0.82
Gladwin	0.89	49734	0.90	26163543500	0.87

48612	0.89	26137950300	0.90	26163543800	0.87
26051000700	0.89	Presque Isle	0.83	26163543900	0.89
Grand Traverse	0.80	49765	0.83	26163554500	0.85
49685	0.80	26141950400	0.83	48224	0.87
26055551300	0.80	Roscommon	0.87	26163500900	0.86
Gratiot	0.87	48630	0.86	26163501100	0.82
48801	0.83	26143971000	0.86	26163501200	0.91
26057000500	0.83	48651	0.88	26163501300	0.89
48880	0.91	26143970300	0.88	26163501500	0.87
26057000300	0.91	Saginaw	0.91	48225	0.84
Hillsdale	0.78	48601	0.94	26163500700	0.84
49242	0.78	26145000100	0.86	48227	0.87
26059050500	0.79	26145000200	0.92	26163535200	0.80
26059050700	0.78	26145000800	0.90	26163535300	0.92
49250	0.77	26145000900	0.98	26163536600	0.79
26059050300	0.77	26145001000	0.98	26163536700	0.93
Houghton	0.75	26145011000	0.99	26163536900	0.90
49930	0.75	26145011500	0.96	26163537100	0.85
26061000600	0.75	48602	0.89	26163537300	0.97
Huron	0.81	26145001300	0.93	26163537600	0.97
48413	0.81	26145001500	0.81	26163537700	0.90
26063951000	0.81	26145001700	0.98	26163537800	0.81
Ingham	0.84	26145001800	0.95	26163542100	0.79
48910	0.96	26145001900	0.78	26163542200	0.85
26065005304	0.96	48603	0.85	26163542300	0.78
48911	0.82	26145010401	0.85	48228	0.92
26065003601	0.85	48605	0.94	26163535000	0.87
26065005303	0.79	26145000600	0.94	26163535100	0.99
48912	0.76	48607	0.94	26163535400	0.98
26065006500	0.76	26145000400	0.88	26163535700	0.87
48915	0.75	26145000700	1.00	26163545200	0.93
26065000600	0.75	48722	0.88	26163545300	0.99
48917	0.88	26145011600	0.88	26163546500	0.96
26065003500	0.88	48724	0.79	26163546600	0.92
48933	0.91	26145010800	0.79	26163546900	0.80
26065006600	0.91	Sanilac	0.80	48229	0.91
Ionia	0.76	48401	0.78	26163577000	0.92
48846	0.76	26151970900	0.78	26163579600	0.87
26067031600	0.76	48741	0.82	26163579700	0.86
Jackson	0.89	26151971000	0.82	26163579800	0.98
49201	0.90	Schoolcraft	0.83	48234	0.85
26075000200	0.97	49854	0.83	26163506300	0.91

26075000400	0.78	26153000300	0.83	26163506600	0.91
26075000600	0.94	Shiawassee	0.76	26163506800	0.83
26075006900	0.89	48867	0.76	26163506900	0.78
49202	0.85	26155030800	0.76	26163507100	0.83
26075000500	0.76	St. Clair	0.90	26163507400	0.83
26075005900	0.94	48014	0.81	26163507500	0.76
49203	0.90	26147657100	0.81	26163511000	1.00
26075001100	0.98	48060	0.91	48235	0.85
26075001200	0.80	26147620000	0.97	26163538700	0.86
26075001300	0.92	26147621000	0.90	26163539200	0.95
Kalamazoo	0.89	26147624000	0.98	26163539400	0.80
49001	0.94	26147625000	0.79	26163539500	0.88
26077001803	0.94	48061	0.98	26163539600	0.82
49003	0.93	26147636000	0.98	26163539700	0.84
26077001000	0.93	St. Joseph	0.87	26163540100	0.81
49004	0.82	49042	0.85	26163540200	0.87
26077000500	0.82	26149040300	0.92	26163540300	0.86
49007	0.88	26149041101	0.79	26163540400	0.87
26077000202	0.77	49091	0.91	26163540800	0.81
26077000300	0.97	26149040600	0.96	48236	0.89
26077000900	0.90	26149040800	0.85	26163501700	0.96
49019	0.83	49093	0.82	26163551300	0.82
26077001801	0.83	26149040400	0.82	48238	0.89
49048	0.92	Tuscola	0.90	26163530300	0.97
26077005501	0.92	48723	0.87	26163530400	0.87
Kalkaska	0.76	26157000600	0.87	26163530500	0.81
49676	0.76	48768	0.92	26163531600	0.89
26079950200	0.76	26157000900	0.92	26163531700	0.87
49680	0.76	Van Buren	0.87	26163531800	0.92
26079950300	0.76	49026	0.95	26163531900	0.88
Kent	0.90	26159012000	0.95	26163534200	0.91
49503	0.91	49063	0.83	26163536100	0.97
26081001101	0.81	26159010200	0.83	26163536300	0.86
26081003200	0.91	49098	0.81	26163536500	0.83
26081003600	1.00	26159011300	0.81	48240	0.77
49505	0.91	Washtenaw	0.83	26163554400	0.77
26081001102	0.91	48198	0.83	Wexford	0.79
49507	0.97	26161410700	0.78	49601	0.76
26081002800	0.99	26161410800	0.83	26165380800	0.76
26081003100	0.95	26161411900	0.86	49649	0.82
49512	0.87	26161412100	0.85	26165380100	0.82
26081004500	0.87				
49519	0.80				

26081013801	0.80
49534	0.82
26081002700	0.82

MDOC Moderna

MDOC Facility	Name	Address	City	County	Zip	VFC PIN	Email 1	Email 2	Moderna 1st Doses Ordered	Moderna 2nd Doses Ordered	Total Moderna Doses Ordered
AMF	Baraga Max. Corr. Facility	13924 Wadago Road	Baraga	Baraga	49908		Hiligi@michigan.gov	Kissell1@michigan.gov	0	100	100
ARF	Gus Harrison Corr Facility	2727 E. Beecher Street	Adrian	Lenawee	49221		Korteik@michigan.gov	BaileyH@michigan.gov	0	300	300
DRF-East	DRF-EAST Carson City Corr. Facility	10522 E Boyer Rd.	Carson City	Montcalm	48811		Lambart1@michigan.gov	Kissaul1@michigan.gov	0	200	200
DRF-West	DRF-WEST Carson City Corr. Facility	10274 Boyer Road	Carson City	Montcalm	48811		Lambart1@michigan.gov	Kissaul1@michigan.gov	0	200	200
ECF	Oaks Correctional Facility	1500 Caberfae Hwy.	Manistee	Manistee	49660		MonroeN@michigan.gov	Kissaul1@michigan.gov	0	100	100
IBC	Bellamy Creek Corr. Facility	1727 W. Bluewater Hwy.	Ionia	Ionia	48846		Langedon@michigan.gov	BussellK1@michigan.gov	0	100	100
ICF	Ionia Maximum Corr. Facility	1576 W. Bluewater Hwy.	Ionia	Ionia	48846		LeBarre@michigan.gov	BussellK1@michigan.gov	0	100	100
JCF	G. Robert Cotton Corr. Facility	3500 North Elm Road	Jackson	Jackson	49201		LandfairS@michigan.gov	BussellK1@michigan.gov	0	200	200
JCS	Cooper Street Corr. Facility	3100 Cooper Street	Jackson	Jackson	49201		MassonK2@michigan.gov	BussellK1@michigan.gov	0	100	100
KCF	Kinross Correctional Facility	4533 W. Industrial Park Drive	Kinchee	Chippewa	49788		BellW1@michigan.gov	Kissell1@michigan.gov	0	200	200
LCF	Lakeand Correctional Facility	141 First Street	Coldwater	Branch	49036		milien@michigan.gov	pligg@michigan.gov	0	100	100
LMF	Alger Max. Corr. Facility	N6141 Industrial Park Drive	Munising	Alger	49862		StaleyG@michigan.gov	Kissell1@michigan.gov	0	100	100
LRF	Ernest C. Brooks Corr. Fac.	2500 S. Sheridan Road	Muskegon Heights	Muskegon	49444		brittonJ2@michigan.gov	Kissaul1@michigan.gov	0	100	100
MRP	Marquette Branch Prison	1960 U.S. 41 South	Marquette	Marquette	49855		scottC@michigan.gov	Kissell1@michigan.gov	0	100	100
MCF	Muskegon Correctional Facility	2400 South Sheridan Dr.	Muskegon	Muskegon	49842		williamsonM2@michigan.gov	Kissaul1@michigan.gov	0	200	200
MRF	Macomb Correctional Facility	34625 26 Mile Road	Lenox Township	Macomb	48048		Parr-Mizael@michigan.gov	Kissaul1@michigan.gov	0	100	100
MTU	Richard A. Handlon Corr. Fac.	1728 Bluewater Highway	Ionia	Ionia	48846		SmithH@michigan.gov	BussellK1@michigan.gov	0	100	100
NCF	Newberry Correctional Facility	13747 E. County Road 428	Newberry	Luce	49868		BlaileyS@michigan.gov	Kissell1@michigan.gov	0	100	100
RCC	Charles E. Egler Reception and Guidance	3855 Cooper Street	Jackson	Jackson	49201		Croenbery@michigan.gov	GriffesC@michigan.gov	0	100	100
RGC/DWH	Duane Waters Health Center	3857 Cooper St.	Jackson	Jackson	49201		GriffesC@michigan.gov	BussellK1@michigan.gov	0	100	100
RMI	Michigan Reformatory	1342 W. Main	Ionia	Ionia	48846		DeerenB@michigan.gov	BussellK1@michigan.gov	0	100	100
SIF	St. Louis Correctional Facility	8595 N. Crowell Road	St. Louis	Gratiot	48840		ZamorakM@michigan.gov	BaileyH@michigan.gov	0	100	100
SMT	Parnall Correctional Facility	1780 E. Parnall	Jackson	Jackson	49201		KingM12@michigan.gov	BussellK1@michigan.gov	0	200	200
SRF	Saginaw Correctional Facility	9625 Pierce Road	Freeland	Saginaw	48623		McCauleyS@michigan.gov	Kissaul1@michigan.gov	0	200	200
STF	Central Michigan Corr. Facility	320 N Hubbard Street	St. Louis	Gratiot	48880		OaksM@michigan.gov	BaileyH@michigan.gov	0	300	300
TCF	Thumb Correctional Facility	3225 John Conley Drive	Lapeer	Lapeer	48446		NixonJ3@michigan.gov	Kissaul1@michigan.gov	0	100	100
URF	Chippewa Correctional Facility	4269 West M-80	Kinchee	Chippewa	49788		StansB@michigan.gov	Kissell1@michigan.gov	0	200	200
WCC	Woodland Corr. Facility	9036 E M-36	Whitmore Lake	Livingston	48189		HarbaughH@michigan.gov	BaileyH@michigan.gov	0	100	100
WHV	Women's Huron Valley	3201 Bemis Road	Ypsilanti	Washtenaw	48197		Jonesu91@michigan.gov	PliggC@michigan.gov	0	300	300
									0	4300	4300

IHS Federal Transfer Note

800 doses

Little Traverse Bay Bands of Odawa Indians- 200 doses

Nottawaseppi Huron Band of the Potawatomi: Pine Creek location- 100 doses

Pokagon Band of the Potawatomi- 500 doses

Becky Bennett

From: Mohar Chatterjee <mc4958@columbia.edu>
Sent: Tuesday, March 30, 2021 3:18 PM
To: Linda Vail; Adenike Shoyinka
Cc: Derek R. Kravitz; bf2439@columbia.edu
Subject: Questions for Ingham County Health Dept. about B.1.1.7 Variant Outbreaks

Hello, Ms. Vail and Dr. Shoyinka,

We're working on a story on the B.1.1.7 COVID variant strains detected across Michigan and had some questions for the Ingham County Health Department as part of an ongoing collaboration with the Detroit Free-Press.

The questions are in bold below and they come from hundreds of pages of FOIA responses we've obtained from MDHHS and Eaton, Ionia, Jackson, Oakland, Wayne, and Ingham counties, detailing the variant spread at Bellamy Creek and in other workplaces and facilities across the state.

If you have any questions, please feel free to contact me at mc4958@columbia.edu or by phone at +1 626 365 6395.

Our deadline for these questions is the end of day on Friday.

Thank you and regards,
Mohar Chatterjee
Documenting COVID-19
Brown Institute for Media Innovation

QUESTIONS FOR INGHAM COUNTY HEALTH DEPARTMENT:

1. On Jan 4, a female MDOC employee tested positive by the Barry-Eaton District Health Department. **Can you confirm whether this was the first B.1.1.7 COVID variant case your department was made aware of?** The case told local health officials that MDOC told her the Jan. 4 test was a false positive and she did not isolate at the time of this test. This employee had a known exposure to a coworker on Jan. 26, identified as a positive strain of the virus and ID'd as [REDACTED]. The original MDOC employee tested positive again on Jan. 27 and began developing symptoms. Three of her contacts — two of her daughters and the third MDOC Ingham employee — were ID'd and the Ingham MDOC employee tested positive for the variant and was hospitalized at Sparrow. **Did the Ingham MDOC employee hospitalized at Sparrow eventually recover?**
2. On Feb. 12, Ingham County 911 Dispatch Director Terri Thornberry sent an email explaining that a dispatcher had contracted the B.1.1.7 strain, presumably from her husband. The individual already had received both vaccine doses, so there was some confusion about how long she needed to quarantine. In a reply email, Aimee Keefer, an Ionia County nurse, said the woman "sounds like she could be the spouse of an MDOC IBC employee." **Can you confirm that the Ingham County 911 Dispatch variant case was connected to the IBC variant case? What was the origin of the two variant cases? Were there more variant cases in Ingham connected to the dispatch employee?**
3. An inmate who was released from Bellamy Creek prison on Feb. 9 had been confirmed to have the B117 variant. There was some confusion about the protocol for his release. He was sent to a Best Western and made to quarantine. The individual at one point became angry because he was receiving conflicting information about how long he was supposed to quarantine. Ingham County Disease Control Nurse Colleen Harns wrote that she had just learned there was a third individual in the car who picked

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Becky Bennett

From: Adenike Shoyinka
Sent: Tuesday, March 30, 2021 3:29 PM
To: Linda Vail; Amanda Darche
Subject: Re: Questions for Ingham County Health Dept. about B.1.1.7 Variant Outbreaks

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To: Adenike Shoyinka
Cc: Amanda Darche
Subject: Re: Questions for Ingham County Health Dept. about B.1.1.7 Variant Outbreaks

Do we even answer some of these? You're talking about an individual that went to a hospital and they're asking if that person recovered. There's a little bit too much identifying information in there for us to be talking about a patient status

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Hello,

I think that starting to draft some answers is a good first step. Usually, I gather information (which is what you are essentially doing in drafting responses) and I share that with Linda. We then respond via email or arrange an interview- there are pros and cons for either way we reply. This is a bit unusual because Dr. Shoyinka is part of this outbreak through both ICHD and Ionia.

There is a lot in the questions I would have thought would have been redacted. A person who works in the 911 center with a husband that works for the prison seems highly identifiable to me. I am also disappointed to see the Best Western identified as I know that was a concern of theirs- perhaps that one is unavoidable though.

-A

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Sent: Tuesday, March 30, 2021 5:10 PM
To: Linda Vail; Amanda Darche
Subject: Fwd: Questions for Ionia Health Dept. about B.1.1.7 Variant Outbreaks

Get [Outlook for iOS](#)

From: Bowen, Ken <kbowen@ioniacounty.org>
Sent: Tuesday, March 30, 2021 3:38:16 PM
To: Mohar Chatterjee <mc4958@columbia.edu>
Cc: Derek R. Kravitz <drk2134@columbia.edu>; bf2439@columbia.edu <bf2439@columbia.edu>
Subject: RE: Questions for Ionia Health Dept. about B.1.1.7 Variant Outbreaks

Hello,

My responses in red.

Thank You,

Ken

From: Mohar Chatterjee <mc4958@columbia.edu>
Sent: Tuesday, March 30, 2021 3:14 PM
To: Bowen, Ken <kbowen@ioniacounty.org>; slowhim@ingham.org
Cc: Derek R. Kravitz <drk2134@columbia.edu>; bf2439@columbia.edu
Subject: Questions for Ionia Health Dept. about B.1.1.7 Variant Outbreaks

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1. Can you confirm that a Bellamy Creek (IBC) MDOC employee — a woman who first tested positive on Jan. 4 by the Barry-Eaton District Health Department — was the original B117 variant case that led to the outbreak at Bellamy Creek and wider community spread? I cannot confirm. Per the Barry-Eaton District Health Department, this employee “was not forthcoming with information and took a lot of prodding to get what information we did collect.” The case told local health officials that MDOC told her the Jan. 4 test was a false positive and she did not isolate at the time of this test. **Is that correct? Does the Ionia County Health Department have a response on this employee not providing information to local health officials, as well as other MDOC employees refusing to provide information about COVID exposure to local health departments and volunteer contact tracers? I do not know if this is correct. The majority of patients are not forthcoming with information. This is not an issue with only MDOC staff.**
2. Emails show that over the next few days, the B117 strain spread. Within about 10 days, there were at least 152 cases among inmates and staff at Bellamy Creek. **What are the total number of active and recovered Bellamy Creek MDOC staff and inmates with the B117 variant strain? How many have been hospitalized and have any died? I have to refer this question to MDOC.**
3. Among the workplaces/locations that reported B117 variant cases possibly tied to exposure with a Bellamy Creek MDOC employee: The Country Acres Adult Care Home in Eaton Rapids; Bye Financial Insurance Group in Eaton; Halbert Dairy Farm in Battle Creek; Spectrum Penncock Hospital; the Michigan State Police Training Academy; and Ingham County 911 Dispatch. **Is there any connection between the Bellamy Creek outbreak and the above clusters? For example, is there a connection between the Bellamy Creek variant strain outbreak and the Bye Insurance Group outbreak? What is the origin of the two clusters? I have to refer this question to MDHHS.**
4. On Feb. 8, MDHHS official Sarah LyonCallo emailed MDHHS and MDOC officials, saying: “In light of the recent increase in positive COVID-19 screening test results at the Bellamy Creek Correctional Facility (IBC)... the MDHHS [was] recommending an aggressive response and mitigation strategy...” The strategy includes daily testing for all staff and inmates (for at least the next 14 days), ceasing all inmate transfers, and limiting inmate movements. **Were all of these measures and strategies employed at the time? If not, why weren’t they? I have to refer this question to MDOC.**
5. On Saturday, Feb. 13, Laurie Brinks, an RN at the Ionia County Health Department, asked Ken Bowen, “Any guidance on how/when we will be collecting specimens on contacts? Will we be doing the collection at ICHD or will we be sending them somewhere to have this done? Do we wait until confirmation of the variant is obtained for the positive case prior to testing contacts?” Bowen responded that while these were all good questions to ask Mamou, he’d be “surprised if MDHHS has thought it through.” **Does this statement reflect an issue between MDHHS and LHDs in coordinating effective responses to public health crises, like COVID-19 variant outbreaks in a prison setting? No. It reflects the fact that in a crisis situation detail is sometimes lacking and follow-up is needed.**
6. **How many people in total have died of the COVID B.1.1.7 variant in Ionia County? I am not currently aware of any deaths from the variant in Ionia County.**
7. Separately, an 81-year-old woman in Eaton died at Sparrow Hospital on Feb 19. An 81-year-old man died on Feb. 13. An 83-year-old Barry man died at Penncock on Feb. 21, all of the B.1.1.7 variant. **How did the variant spread from a Bellamy Creek MDOC employee to elderly people in Eaton County? In the department’s view, could the variant spread have been lessened or mitigated with better resources/better coordination/better response? There is no direct evidence that I am aware of proving a link between Bellamy and the cases you note. I would direct you to MDHHS for further information. Short of a nationwide lockdown, I don’t know what authorities at any level could have done better, although I am sure in hindsight some things will emerge. I will say that public health has been underfunded for decades and that has contributed greatly to the overall COVID crisis.**

Becky Bennett

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Subject: Fwd: Questions for Ingham County Health Dept. about B.1.1.7 Variant Outbreaks

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7. that MDOC told her the Jan. 4 test was a false positive and she did not isolate at the time of this test. This employee had a known exposure to a coworker on Jan. 26, identified as a positive strain of the virus and ID'd as [REDACTED]. The original
8. MDOC employee tested positive again on Jan. 27 and began developing symptoms. Three of her contacts — two of her daughters and the third MDOC Ingham employee — were ID'd and the Ingham MDOC employee tested positive for the variant and was hospitalized at Sparrow.
9. **Did the Ingham MDOC employee**
10. **hospitalized at Sparrow eventually recover?**
- 11.
- 12.
13. On
14. Feb. 12, Ingham County 911 Dispatch Director Terri Thornberry sent an email explaining that a dispatcher had contracted the B.1.1.7 strain, presumably from her husband. The individual already had received both vaccine doses, so there was some confusion about
15. how long she needed to quarantine. In a reply email, Aimee Keefer, an Ionia County nurse, said the woman "sounds like she could be the spouse of an MDOC IBC employee."
16. **Can you confirm that the Ingham**
17. **County 911 Dispatch variant case was connected to the IBC variant case? What was the origin of the two variant cases? Were there more variant cases in Ingham connected to the dispatch employee?**
- 18.
- 19.
20. An
21. inmate who was released from Bellamy Creek prison on Feb. 9 had been confirmed to have the B117 variant. There was some confusion about the protocol for his release. He was sent to a Best Western and made to quarantine. The individual at one point became angry

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23. last individual was uncooperative about being tested. "This is very messy," Harns wrote. The former inmate had planned to go to his grandparents' house, but his elderly grandmother was concerned about contracting COVID.
24. **What protocol has been established**
25. **for the release of inmates who have tested positive for COVID? What about those who have tested positive for the B117 variant? Was that protocol followed in the Feb. 9 case?**
- 26.
- 27.
28. **How**
29. **many people in total died of the COVID B.1.1.7 variant in Ingham County?**
- 30.

Becky Bennett

From: Adenike Shoyinka
Sent: Tuesday, March 30, 2021 7:25 PM
To: Linda Vail
Subject: Fwd: Questions for Ionia Health Dept. about B.1.1.7 Variant Outbreaks

You are right. They asked for more questions.

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Subject: RE: Questions for Ionia Health Dept. about B.1.1.7 Variant Outbreaks

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My responses in red.

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If you have any questions, please feel free to contact me at mc4958@columbia.edu or by phone at +1 626 365 6395.

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Thank you and regards,
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Documenting COVID-19
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2. Emails show that over the next few days, the B117 strain spread. Within about 10 days, there were at least 152 cases among inmates and staff at Bellamy Creek. **What are the total number of active and recovered Bellamy Creek MDOC staff and inmates with the B117 variant strain? How many have been hospitalized and have any died?** I have to refer this question to MDOC.
3. Among the workplaces/locations that reported B117 variant cases possibly tied to exposure with a Bellamy Creek MDOC employee: The Country Acres Adult Care Home in Eaton Rapids; Bye Financial Insurance Group in Eaton; Halbert Dairy Farm in Battle Creek; Spectrum Penncock Hospital; the Michigan State Police Training Academy; and Ingham County 911 Dispatch. **Is there any connection between the Bellamy Creek outbreak and the above clusters? For example, is there a**

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Becky Bennett

From: Linda Vail
Sent: Tuesday, March 30, 2021 7:26 PM
To: Adenike Shoyinka
Subject: RE: Questions for Ionia Health Dept. about B.1.1.7 Variant Outbreaks

I will need to talk to Matt before we do anything with this. Thanks

Linda S. Vail, MPA
Health Officer
5303 S. Cedar Street • Lansing, MI 48909
P: 517-887-4311
Pronouns: She/Her/Hers



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