



Weekly Disease Report For The Week Ending January 29th, 2022 (MMWR Week 4)

The Michigan Disease Surveillance System (MDSS) has revolutionized communicable disease reporting in Michigan; and subsequently, has transformed the Weekly Disease Report. The advent of the MDSS allows immediate communication among disease reporting authorities, local health departments, and the Michigan Department of Health and Human Services (MDHHS) regarding investigations into possible cases of communicable disease. Information on these possible cases is available in MDSS regardless of whether they are suspected, probable, or confirmed cases of disease.

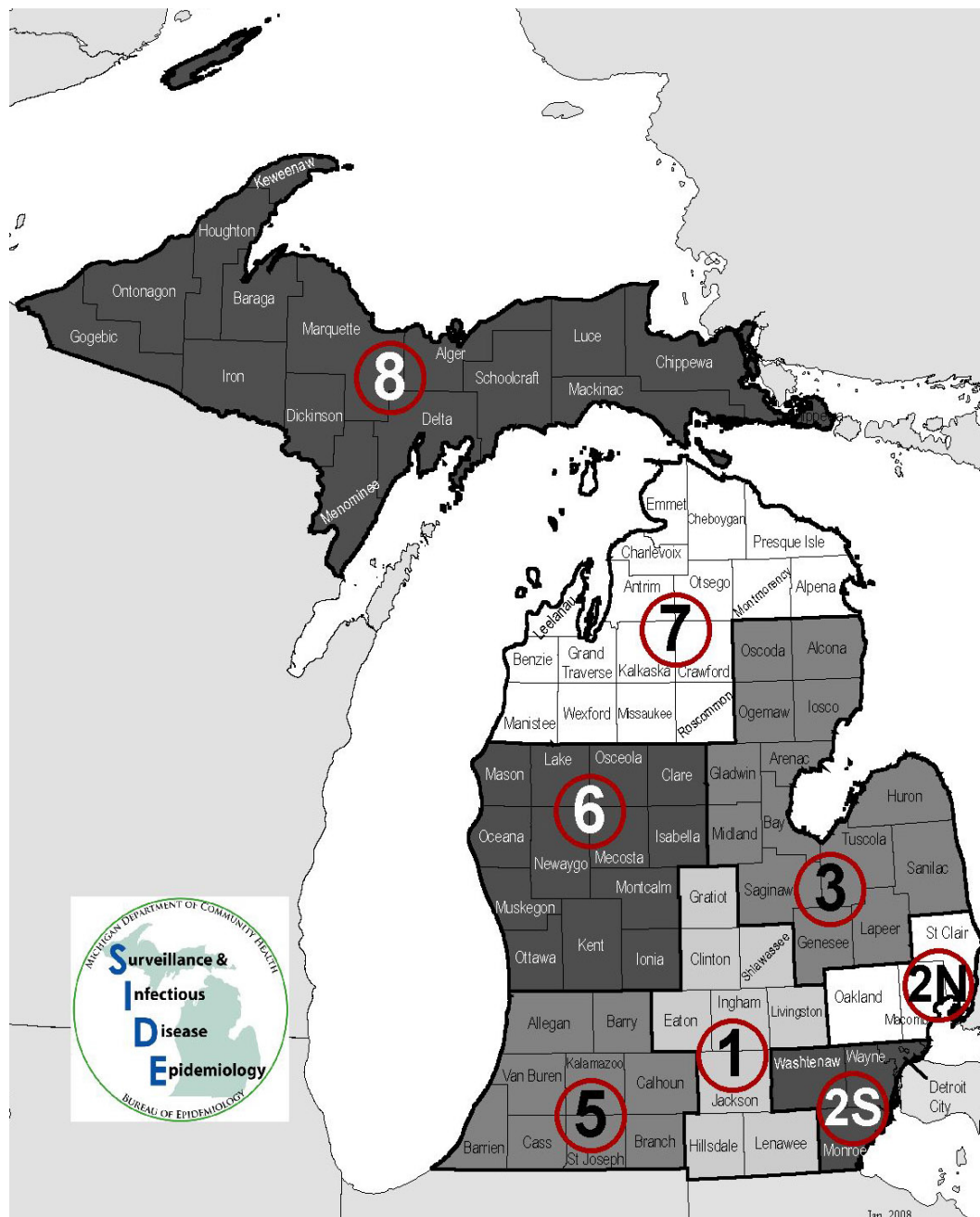
The data in the Weekly Disease Report are provisional, based on current reports to MDHHS by local health departments. The MDSS is a dynamic, continually active system: counts of disease are constantly changing as cases are investigated, confirmed as cases, or ruled out as not meeting the case definition. The Weekly Disease Report reflects this constant activity as the numbers slightly fluctuate each week. Therefore, it should be kept in mind that numbers in the Weekly Disease Report are NOT final and should be used only to generally monitor trends over time. Please contact your local health department for definitive numbers to be used for research or reporting purposes. To find your local health department, please visit

<http://www.malph.org>

Clarification of terms used in the Weekly Disease Report:

MMWR Week: This week (established by the Centers for Disease Control and Prevention) runs from Sunday to Saturday and is assigned a sequentially increasing number from the first week containing a Wednesday in January. For example: 38-2010 is the 38th week in 2010 and corresponds to the week ending September 25, 2010.

Region: Michigan is divided into 8 Emergency Preparedness Regions. To determine which counties belong in which regions, please see below.



Questions regarding the content of the Weekly Disease Report should be referred to the Surveillance and Infectious Disease Epidemiology Section at 517-335-8165.

Reported Cases of All Reportable Conditions Michigan Disease Surveillance System

| Disease Group | Reportable Condition | Cases Reported In The Last 4 Weeks** | | | | Total Cases Reported In Each Of The Last 5 Years*** | | | | |
|-----------------|---|--------------------------------------|--------|--------|--------|---|---------|---------|--------|--------|
| | | 1-2022 | 2-2022 | 3-2022 | 4-2022 | 2018 | 2019 | 2020 | 2021 | 2022 |
| COVID19/MIS | | | | | | | | | | |
| | Multisystem Inflammatory Syndrome | 8 | 7 | 5 | 13 | 0 | 0 | 81 | 161 | 39 |
| | Subtotal | 8 | 7 | 5 | 13 | 0 | 0 | 81 | 161 | 39 |
| Foodborne | | | | | | | | | | |
| | Amebiasis | 0 | 0 | 0 | 0 | 2 | 9 | 7 | 6 | 0 |
| | Botulism - Foodborne | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| | Campylobacter | 17 | 18 | 9 | 13 | 1,705 | 1,705 | 1,221 | 1,502 | 61 |
| | Cryptosporidiosis | 4 | 3 | 0 | 5 | 383 | 419 | 245 | 249 | 13 |
| | Giardiasis | 5 | 3 | 3 | 9 | 465 | 428 | 379 | 439 | 20 |
| | Listeriosis | 0 | 0 | 0 | 0 | 19 | 29 | 29 | 38 | 0 |
| | Listeriosis (2014-2017)* | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 0 | 0 |
| | Norovirus | 33 | 9 | 30 | 11 | 1,011 | 1,481 | 583 | 592 | 84 |
| | Paratyphoid Fever | 0 | 0 | 0 | 0 | 1 | 4 | 4 | 2 | 0 |
| | Salmonellosis | 12 | 15 | 7 | 15 | 1,163 | 1,077 | 905 | 870 | 49 |
| | Shiga toxin-producing Escherichia coli -- | 4 | 3 | 3 | 6 | 0 | 284 | 211 | 268 | 16 |
| | Shigellosis | 2 | 2 | 2 | 6 | 209 | 219 | 151 | 168 | 12 |
| | Typhoid Fever | 0 | 0 | 0 | 0 | 6 | 10 | 1 | 3 | 0 |
| | Yersinia enterocolitica | 4 | 3 | 2 | 1 | 82 | 76 | 81 | 98 | 10 |
| Subtotal | 81 | 56 | 56 | 66 | 5,050 | 5,742 | 3,817 | 4,238 | 265 | |
| Influenza | | | | | | | | | | |
| | Flu Like Disease* | 2,913 | 2,539 | 3,250 | 930 | 379,206 | 323,372 | 193,798 | 74,955 | 9,693 |
| | Influenza | 699 | 618 | 563 | 462 | 47,156 | 31,965 | 33,005 | 5,501 | 2,461 |
| | Influenza, Novel | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 0 |
| | Respiratory Syncytial Virus | 4 | 1 | 2 | 2 | 0 | 0 | 0 | 28 | 9 |
| | Subtotal | 3,616 | 3,158 | 3,815 | 1,394 | 426,365 | 355,338 | 226,803 | 80,484 | 12,163 |
| Meningitis | | | | | | | | | | |
| | Meningitis - Aseptic | 2 | 1 | 1 | 2 | 827 | 458 | 259 | 272 | 7 |
| | Meningitis - Bacterial Other | 0 | 2 | 5 | 8 | 149 | 121 | 103 | 135 | 15 |
| | Meningococcal Disease | 0 | 0 | 0 | 1 | 4 | 8 | 3 | 5 | 1 |
| | Streptococcus pneumoniae, Inv | 20 | 24 | 15 | 14 | 791 | 938 | 529 | 539 | 75 |
| Subtotal | 22 | 27 | 21 | 25 | 1,771 | 1,525 | 894 | 951 | 98 | |

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Reported Cases of All Reportable Conditions Michigan Disease Surveillance System

| Disease Group | Reportable Condition | Cases Reported In The Last 4 Weeks** | | | | Total Cases Reported In Each Of The Last 5 Years*** | | | | |
|---------------|-------------------------------|--------------------------------------|--------|--------|--------|---|---------|--------|--------|-------|
| | | 1-2022 | 2-2022 | 3-2022 | 4-2022 | 2018 | 2019 | 2020 | 2021 | 2022 |
| Other | | | | | | | | | | |
| | Acute Flaccid Myelitis (AFM) | 0 | 0 | 0 | 0 | 6 | 3 | 4 | 0 | 0 |
| | Anthrax | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Blastomycosis | 8 | 6 | 5 | 12 | 20 | 26 | 24 | 48 | 38 |
| | Botulism - Infant | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 |
| | Botulism - Other | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 2 | 0 |
| | Brucellosis | 0 | 1 | 1 | 0 | 4 | 1 | 4 | 7 | 2 |
| | CP-CRE | 48 | 10 | 30 | 23 | 0 | 19 | 267 | 545 | 113 |
| | Candida auris | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| | Cholera | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 0 |
| | Coccidioidomycosis | 1 | 1 | 1 | 3 | 40 | 51 | 54 | 95 | 7 |
| | Creutzfeldt-Jakob Disease | 0 | 0 | 0 | 1 | 12 | 15 | 10 | 17 | 1 |
| | Cryptococcosis | 2 | 0 | 0 | 0 | 15 | 18 | 24 | 31 | 2 |
| | Cyclosporiasis | 1 | 0 | 0 | 0 | 0 | 1 | 25 | 49 | 1 |
| | Encephalitis, Post Chickenpox | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 |
| | Encephalitis, Post Mumps | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Encephalitis, Post Other | 0 | 0 | 1 | 0 | 10 | 14 | 10 | 19 | 1 |
| | Encephalitis, Primary | 0 | 0 | 0 | 0 | 18 | 14 | 16 | 12 | 0 |
| | Gastrointestinal Illness | 875 | 1,513 | 1,655 | 546 | 154,968 | 138,801 | 61,476 | 45,761 | 4,616 |
| | Guillain-Barre Syndrome | 3 | 2 | 0 | 1 | 48 | 63 | 50 | 65 | 6 |
| | Hantavirus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| | Hantavirus, Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Hantavirus, Pulmonary | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| | Hemolytic Uremic Syndrome | 0 | 0 | 0 | 0 | 0 | 8 | 5 | 3 | 0 |
| | Hemorrhagic Fever | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Histoplasmosis | 8 | 8 | 5 | 3 | 169 | 234 | 193 | 297 | 34 |
| | Kawasaki | 0 | 0 | 1 | 1 | 35 | 55 | 63 | 49 | 3 |
| | Legionellosis | 5 | 3 | 1 | 5 | 643 | 561 | 385 | 581 | 15 |
| | Leprosy | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| | Leptospirosis | 0 | 0 | 0 | 0 | 1 | 3 | 3 | 3 | 0 |
| | Melioidosis+ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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Reported Cases of All Reportable Conditions Michigan Disease Surveillance System

| Disease Group | Reportable Condition | Cases Reported In The Last 4 Weeks** | | | | Total Cases Reported In Each Of The Last 5 Years*** | | | | |
|---------------|--|--------------------------------------|--------------|--------------|------------|---|----------------|---------------|---------------|--------------|
| | | 1-2022 | 2-2022 | 3-2022 | 4-2022 | 2018 | 2019 | 2020 | 2021 | 2022 |
| | Novel Coronavirus SARS/MERS | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| | Plague | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Psittacosis | 1 | 0 | 0 | 0 | 4 | 0 | 2 | 6 | 1 |
| | Q Fever Acute | 0 | 0 | 0 | 0 | 4 | 5 | 4 | 2 | 0 |
| | Q Fever Chronic | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 |
| | Q Fever* | 0 | 0 | 0 | 0 | 3 | 2 | 3 | 13 | 0 |
| | Rabies Human | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Reye Syndrome | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Rheumatic Fever | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Rubella - Congenital | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Streptococcal Dis, Inv, Grp A | 5 | 3 | 3 | 1 | 428 | 449 | 340 | 270 | 14 |
| | Streptococcal Toxic Shock | 0 | 0 | 0 | 0 | 5 | 5 | 4 | 4 | 0 |
| | Streptococcus pneumoniae, Drug Resistant | 3 | 2 | 0 | 0 | 96 | 80 | 32 | 32 | 5 |
| | Toxic Shock | 0 | 1 | 0 | 0 | 4 | 7 | 3 | 6 | 1 |
| | Trachoma | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 |
| | Trichinosis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| | Tularemia | 1 | 0 | 0 | 0 | 2 | 1 | 0 | 2 | 1 |
| | VISA | 0 | 0 | 0 | 0 | 8 | 11 | 0 | 4 | 0 |
| | VRSA | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 |
| | Vibriosis - Non Cholera | 0 | 1 | 0 | 2 | 0 | 34 | 27 | 49 | 3 |
| | Subtotal | 961 | 1,551 | 1,703 | 599 | 156,550 | 140,484 | 63,035 | 47,985 | 4,865 |
| Rabies | | | | | | | | | | |
| | Rabies Animal | 0 | 0 | 0 | 0 | 76 | 58 | 55 | 52 | 0 |
| | Rabies: Potential Exposure & PEP | 32 | 51 | 43 | 35 | 50 | 5,453 | 3,649 | 3,675 | 174 |
| | Subtotal | 32 | 51 | 43 | 35 | 126 | 5,511 | 3,704 | 3,727 | 174 |
| STD | | | | | | | | | | |
| | Chancroid | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| | Chlamydia (Genital) | 626 | 790 | 818 | 877 | 51,616 | 50,420 | 44,846 | 44,981 | 3,204 |
| | Gonorrhea | 330 | 361 | 334 | 349 | 17,047 | 18,277 | 23,405 | 21,822 | 1,408 |
| | Granuloma Inguinale | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | Lymphogranuloma venereum | 0 | 0 | 0 | 0 | 16 | 1 | 8 | 4 | 0 |

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Reported Cases of All Reportable Conditions Michigan Disease Surveillance System

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|-----------------|--|--------------------------------------|--------|--------|--------|---|--------|--------|--------|--------|
| | | 1-2022 | 2-2022 | 3-2022 | 4-2022 | 2018 | 2019 | 2020 | 2021 | 2022 |
| | Syphilis - Congenital | 3 | 1 | 4 | 2 | 14 | 16 | 29 | 41 | 10 |
| | Syphilis - Early Latent | 7 | 6 | 11 | 3 | 412 | 558 | 567 | 732 | 28 |
| | Syphilis - Late Latent* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Syphilis - Late with Manifestations* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Syphilis - Latent of Unknown Duration* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Syphilis - Primary | 3 | 5 | 5 | 0 | 228 | 273 | 311 | 356 | 13 |
| | Syphilis - Secondary | 7 | 8 | 10 | 4 | 426 | 411 | 471 | 618 | 29 |
| | Syphilis - To Be Determined | 19 | 28 | 32 | 123 | 2 | 0 | 0 | 30 | 235 |
| | Syphilis - Unknown Duration or Late | 7 | 8 | 8 | 6 | 624 | 656 | 667 | 921 | 29 |
| | Subtotal | | 1,002 | 1,208 | 1,222 | 1,364 | 70,385 | 70,612 | 70,304 | 69,507 |
| Tuberculosis | | | | | | | | | | |
| | Latent Tuberculosis Infection | 24 | 23 | 35 | 27 | 1,126 | 2,053 | 1,366 | 1,512 | 113 |
| | Nontuberculous Mycobacterium | 11 | 17 | 9 | 26 | 840 | 854 | 686 | 766 | 68 |
| | Tuberculosis | 3 | 4 | 3 | 5 | 117 | 139 | 97 | 138 | 15 |
| | Subtotal | | 38 | 44 | 47 | 58 | 2,083 | 3,046 | 2,149 | 2,416 |
| VPD | | | | | | | | | | |
| | Chickenpox (Varicella) | 12 | 9 | 2 | 6 | 436 | 422 | 185 | 255 | 32 |
| | Diphtheria | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| | H. influenzae Disease - Inv. | 7 | 2 | 2 | 4 | 174 | 223 | 99 | 175 | 17 |
| | Measles | 0 | 0 | 0 | 3 | 19 | 46 | 0 | 7 | 3 |
| | Mumps | 0 | 0 | 1 | 2 | 81 | 29 | 7 | 13 | 3 |
| | Pertussis | 1 | 1 | 0 | 3 | 658 | 546 | 116 | 227 | 7 |
| | Polio | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Rubella | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 0 |
| | Shingles | 10 | 3 | 11 | 4 | 1,252 | 1,222 | 817 | 612 | 29 |
| | Tetanus | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 1 | 0 |
| | VZ Infection, Unspecified | 3 | 4 | 12 | 21 | 213 | 228 | 237 | 467 | 45 |
| Subtotal | | 33 | 19 | 28 | 43 | 2,835 | 2,717 | 1,462 | 1,767 | 136 |
| Vectorborne | | | | | | | | | | |
| | Babesiosis++ | 0 | 0 | 0 | 0 | 5 | 2 | 1 | 12 | 0 |
| | Chikungunya~ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |

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Reported Cases of All Reportable Conditions

Michigan Disease Surveillance System

| Disease Group | Reportable Condition | Cases Reported In The Last 4 Weeks** | | | | Total Cases Reported In Each Of The Last 5 Years*** | | | | |
|-----------------|--|--------------------------------------|--------|--------|--------|---|-------|------|-------|------|
| | | 1-2022 | 2-2022 | 3-2022 | 4-2022 | 2018 | 2019 | 2020 | 2021 | 2022 |
| | Dengue Fever | 0 | 0 | 0 | 0 | 0 | 2 | 9 | 9 | 0 |
| | Ehrlichiosis* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Ehrlichiosis, Anaplasma phagocytophilum | 0 | 0 | 0 | 0 | 0 | 2 | 20 | 87 | 0 |
| | Ehrlichiosis, Anaplasma phagocytophilum | 0 | 0 | 0 | 0 | 17 | 15 | 0 | 0 | 0 |
| | Ehrlichiosis, Anaplasmosis Undetermined | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| | Ehrlichiosis, Ehrlichia chaffeensis | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 18 | 0 |
| | Ehrlichiosis, Ehrlichia chaffeensis (2009- | 0 | 0 | 0 | 0 | 7 | 3 | 0 | 0 | 0 |
| | Ehrlichiosis, Ehrlichia ewingii | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Ehrlichiosis, Ehrlichia ewingii (2009-2019)* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Ehrlichiosis, human granulocytic* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Ehrlichiosis, human monocytic* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Ehrlichiosis, human other/undetermined | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| | Ehrlichosis human, other, unsp* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Encephalitis, California Serogroup | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 9 | 0 |
| | Encephalitis, Eastern Equine | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 0 |
| | Encephalitis, Powassan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Encephalitis, St. Louis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 |
| | Encephalitis, Western Equine | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Lyme Disease | 9 | 11 | 15 | 23 | 309 | 488 | 531 | 1,335 | 60 |
| | Malaria | 0 | 0 | 1 | 1 | 29 | 26 | 14 | 16 | 2 |
| | Rickettsial Disease - Spotted Fever | 0 | 0 | 1 | 1 | 0 | 2 | 48 | 17 | 2 |
| | Rickettsial Disease - Typhus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| | West Nile Virus | 0 | 0 | 0 | 1 | 0 | 0 | 33 | 75 | 1 |
| | Yellow Fever | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Zika~~ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 |
| | Subtotal | 9 | 11 | 17 | 26 | 368 | 542 | 669 | 1,593 | 65 |
| Viral Hepatitis | | | | | | | | | | |
| | Hepatitis A | 3 | 1 | 3 | 1 | 332 | 80 | 23 | 43 | 9 |
| | Hepatitis B, Acute | 36 | 32 | 48 | 85 | 80 | 65 | 44 | 1,222 | 210 |
| | Hepatitis B, Chronic | 9 | 25 | 25 | 40 | 1,072 | 1,010 | 728 | 689 | 102 |
| | Hepatitis B, Perinatal | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |

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|---------------|------------------------|--------------------------------------|--------|--------|--------|---|-------|-------|-------|------|
| | | 1-2022 | 2-2022 | 3-2022 | 4-2022 | 2018 | 2019 | 2020 | 2021 | 2022 |
| | Hepatitis C, Acute | 34 | 44 | 60 | 69 | 176 | 133 | 145 | 221 | 226 |
| | Hepatitis C, Chronic | 73 | 70 | 94 | 81 | 10,328 | 6,141 | 4,417 | 4,682 | 327 |
| | Hepatitis C, Perinatal | 0 | 0 | 0 | 0 | 11 | 11 | 8 | 13 | 0 |
| | Hepatitis E | 0 | 0 | 0 | 0 | 9 | 5 | 9 | 14 | 0 |
| | Subtotal | 155 | 172 | 230 | 276 | 12,009 | 7,445 | 5,374 | 6,884 | 874 |

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Complete HIV/AIDS statistics can be found at: https://www.michigan.gov/mdhhs/0,5885,7-339-71550_2955_2982-428731--,00.html

Complete COVID-19 statistics can be found at: <https://www.michigan.gov/coronavirus/>

* Indicates disease no longer reported into the MDSS on an individual cases basis.
 *** Data for cases reported in the last 5 years is for the entire year except for the current year which is year to date.
 ** Data for cases reported in the last 4 weeks is based on the date the case was referred.

| Table of Diseases by Geographic Location | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------|----------|----------|----------|-----------|------------|----------|-----------|----------|-----------|----------|-----------|----------|----------|----------|------------|-----------|------------|----------|----------|-----------|------------|------------|------------|
| Time Period: Week 4-2022 | | | | | | | | | | | | | | | | | | | | | | | | |
| Disease | Alcona | | Alger | | Allegan | | Alpena | | Antrim | | Arenac | | Baraga | | Barry | | Bay | | Benzie | | Berrien | | Branch | |
| | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD |
| Rickettsial Disease - Spotted Fever | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Rickettsial Disease - Typhus | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Rubella | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Rubella - Congenital | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Salmonellosis | - | - | - | 1 | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Shiga toxin-producing Escherichia coli --(STEC) | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 |
| Shigellosis | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - |
| Shingles | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Streptococcal Dis, Inv, Grp A | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - |
| Streptococcal Toxic Shock | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Streptococcus pneumoniae, Drug Resistant | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - |
| Streptococcus pneumoniae, Inv | - | 2 | - | - | - | 2 | 1 | 2 | - | 1 | - | - | - | - | - | - | - | 3 | - | - | - | - | - | 1 |
| Syphilis - Congenital | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| Syphilis - Early Latent | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Syphilis - Late Latent* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Syphilis - Latent of Unknown Duration* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Syphilis - Late with Manifestations* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Syphilis - Primary | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Syphilis - Secondary | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Syphilis - To Be Determined | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - | - | 2 | 2 | - | - |
| Syphilis - Unknown Duration or Late | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - |
| Tetanus | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Toxic Shock | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Trachoma | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Trichinosis | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Tuberculosis | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Tularemia | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Typhoid Fever | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Vibriosis - Non Cholera | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VISA | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VRSA | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VZ Infection, Unspecified | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| West Nile Virus | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Yellow Fever | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Yersinia enteritis | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - |
| Zika | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Total | 2 | 7 | 1 | 5 | 13 | 660 | 7 | 27 | 6 | 22 | 9 | 18 | 1 | 6 | 8 | 554 | 68 | 258 | 2 | 7 | 46 | 144 | 204 | 831 |

Disease counts reported here do NOT represent final numbers and are subject to change after cases are reviewed.

| Table of Diseases by Geographic Location | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-----------|------------|----------|------------|------------|-----------|-----------|-----------|----------|-----------|-----------|------------|-----------|-----------|----------|-----------|----------|-----------|--------------|--------------|-----------|-----------|-----------|------------|
| Time Period: Week 4-2022 | | | | | | | | | | | | | | | | | | | | | | | | |
| Disease | Calhoun | | Cass | | Charlevoix | | Cheboygan | | Chippewa | | Clare | | Clinton | | Crawford | | Delta | | Detroit City | | Dickinson | | Eaton | |
| | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD |
| Rickettsial Disease - Spotted Fever | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| Rickettsial Disease - Typhus | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Rubella | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Rubella - Congenital | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Salmonellosis | - | 1 | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - |
| Shiga toxin-producing Escherichia coli --(STEC) | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 |
| Shigellosis | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - | - |
| Shingles | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - |
| Streptococcal Dis, Inv, Grp A | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - |
| Streptococcal Toxic Shock | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Streptococcus pneumoniae, Drug Resistant | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Streptococcus pneumoniae, Inv | - | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | 3 | 10 | - | - | - | - |
| Syphilis - Congenital | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - |
| Syphilis - Early Latent | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 | - | - | - | - |
| Syphilis - Late Latent* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Syphilis - Latent of Unknown Duration* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Syphilis - Late with Manifestations* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Syphilis - Primary | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | - | - | - | - |
| Syphilis - Secondary | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 9 | - | - | - | - |
| Syphilis - To Be Determined | 2 | 3 | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - | - | - | - | 33 | 56 | - | - | - | - |
| Syphilis - Unknown Duration or Late | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 10 | - | - | - | 1 |
| Tetanus | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Toxic Shock | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Trachoma | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Trichinosis | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Tuberculosis | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | 1 | 1 | - | - | - | - |
| Tularemia | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Typhoid Fever | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Vibriosis - Non Cholera | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - | - |
| VISA | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VRSA | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - | - |
| VZ Infection, Unspecified | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 8 | - | - | - | - |
| West Nile Virus | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - | - | - | - | - | - | - | - |
| Yellow Fever | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Yersinia enterocolitica | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - | - |
| Zika | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Total | 27 | 194 | 6 | 151 | 0 | 39 | 3 | 17 | 5 | 49 | 62 | 205 | 12 | 31 | 2 | 20 | 4 | 52 | 424 | 1,371 | 5 | 18 | 18 | 843 |

Disease counts reported here do NOT represent final numbers and are subject to change after cases are reviewed.

| Table of Diseases by Geographic Location | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------|------------|-----------|------------|-----------|-----------|----------|-----------|----------------|------------|----------|-----------|------------|------------|----------|-----------|-----------|-----------|-----------|------------|-----------|------------|----------|-----------|
| Time Period: Week 4-2022 | | | | | | | | | | | | | | | | | | | | | | | | |
| Disease | Emmet | | Genesee | | Gladwin | | Gogebic | | Grand Traverse | | Graftot | | Hillsdale | | Houghton | | Huron | | Ingham | | Ionia | | Iosco | |
| | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD |
| Rickettsial Disease - Spotted Fever | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Rickettsial Disease - Typhus | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Rubella | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Rubella - Congenital | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Salmonellosis | - | - | - | 1 | - | - | - | - | 1 | 1 | - | 1 | - | - | - | 1 | - | - | - | 1 | - | - | - | - |
| Shiga toxin-producing Escherichia coli --(STEC) | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Shigellosis | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - | - | - | - | - | - | 1 | 1 | - | - | 1 | 1 |
| Shingles | - | 1 | - | - | - | - | - | - | 1 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| Streptococcal Dis, Inv, Grp A | - | - | 1 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Streptococcal Toxic Shock | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Streptococcus pneumoniae, Drug Resistant | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Streptococcus pneumoniae, Inv | - | - | 1 | 7 | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | 3 | - | - | - | - |
| Syphilis - Congenital | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - | - |
| Syphilis - Early Latent | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Syphilis - Late Latent* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Syphilis - Latent of Unknown Duration* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Syphilis - Late with Manifestations* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Syphilis - Primary | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Syphilis - Secondary | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Syphilis - To Be Determined | - | - | 4 | 8 | - | - | - | - | 2 | 2 | - | - | - | - | - | - | - | - | 5 | 10 | 1 | 2 | - | - |
| Syphilis - Unknown Duration or Late | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - |
| Tetanus | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Toxic Shock | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Trachoma | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Trichinosis | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Tuberculosis | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - | - |
| Tularemia | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Typhoid Fever | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Vibriosis - Non Cholera | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VISA | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VRSA | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VZ Infection, Unspecified | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - |
| West Nile Virus | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Yellow Fever | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Yersinia enteritis | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - |
| Zika | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Total | 0 | 157 | 94 | 383 | 11 | 52 | 2 | 14 | 30 | 112 | 5 | 33 | 142 | 447 | 4 | 10 | 11 | 79 | 83 | 268 | 14 | 102 | 6 | 17 |

Disease counts reported here do NOT represent final numbers and are subject to change after cases are reviewed.

| Table of Diseases by Geographic Location | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------|----------|-----------|------------|-----------|------------|-----------|------------|----------|-----------|------------|------------|----------|----------|----------|----------|----------|-----------|----------|-----------|-----------|-----------|------------|--------------|
| Time Period: Week 4-2022 | | | | | | | | | | | | | | | | | | | | | | | | |
| Disease | Iron | | Isabella | | Jackson | | Kalamazoo | | Kalkaska | | Kent | | Keweenaw | | Lake | | Lapeer | | Leelanau | | Lenawee | | Livingston | |
| | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD |
| Rickettsial Disease - Spotted Fever | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Rickettsial Disease - Typhus | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Rubella | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Rubella - Congenital | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Salmonellosis | - | - | - | 1 | - | 1 | - | 1 | - | 1 | - | 1 | - | - | - | - | - | - | - | - | - | 1 | - | 1 |
| Shiga toxin-producing Escherichia coli --(STEC) | - | - | 2 | 2 | - | - | - | 1 | - | - | - | 3 | - | - | - | - | - | - | - | - | - | - | - | - |
| Shigellosis | - | - | - | 1 | - | - | - | 1 | - | - | 1 | 2 | - | - | - | - | - | - | - | - | - | - | - | - |
| Shingles | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| Streptococcal Dis, Inv, Grp A | - | - | - | - | - | - | - | 1 | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 |
| Streptococcal Toxic Shock | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Streptococcus pneumoniae, Drug Resistant | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Streptococcus pneumoniae, Inv | - | - | - | - | - | 2 | - | - | - | - | 1 | 1 | - | - | - | - | - | 1 | - | - | - | - | - | 3 |
| Syphilis - Congenital | - | - | - | - | - | 1 | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - |
| Syphilis - Early Latent | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - |
| Syphilis - Late Latent* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Syphilis - Latent of Unknown Duration* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Syphilis - Late with Manifestations* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Syphilis - Primary | - | - | - | - | - | - | - | 3 | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - |
| Syphilis - Secondary | - | - | - | - | - | - | - | 4 | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - |
| Syphilis - To Be Determined | - | - | - | - | 3 | 9 | 1 | 2 | - | - | 8 | 20 | - | - | - | - | - | - | - | - | - | - | - | 4 |
| Syphilis - Unknown Duration or Late | - | - | - | - | - | - | - | 3 | - | - | 1 | 3 | - | - | - | - | - | - | - | - | - | - | - | - |
| Tetanus | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Toxic Shock | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Trachoma | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Trichinosis | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Tuberculosis | - | - | - | 1 | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - |
| Tularemia | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Typhoid Fever | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Vibriosis - Non Cholera | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VISA | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VRSA | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VZ Infection, Unspecified | - | - | - | - | - | - | - | - | - | - | 1 | 3 | - | - | - | - | - | - | - | - | - | - | - | 1 |
| West Nile Virus | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Yellow Fever | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Yersinia enterocolitica | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| Zika | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Total | 0 | 2 | 14 | 349 | 47 | 259 | 68 | 595 | 7 | 36 | 149 | 529 | 0 | 0 | 2 | 4 | 6 | 28 | 1 | 10 | 10 | 55 | 166 | 1,397 |

Disease counts reported here do NOT represent final numbers and are subject to change after cases are reviewed.

| Table of Diseases by Geographic Location | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------|-----------|----------|-----------|------------|------------|----------|-----------|-----------|-----------|----------|------------|----------|------------|-----------|-----------|------------|------------|-----------|-----------|-----------|------------|----------|-----------|
| Time Period: Week 4-2022 | | | | | | | | | | | | | | | | | | | | | | | | |
| Disease | Luce | | Mackinac | | Macomb | | Manistee | | Marquette | | Mason | | Mecosta | | Menominee | | Midland | | Missaukee | | Monroe | | Montcalm | |
| | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD |
| Rickettsial Disease - Spotted Fever | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Rickettsial Disease - Typhus | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Rubella | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Rubella - Congenital | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Salmonellosis | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | 1 | - | - | - |
| Shiga toxin-producing Escherichia coli --(STEC) | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - |
| Shigellosis | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Shingles | - | - | - | - | 2 | 8 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Streptococcal Dis, Inv, Grp A | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Streptococcal Toxic Shock | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Streptococcus pneumoniae, Drug Resistant | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Streptococcus pneumoniae, Inv | - | - | - | - | - | 2 | - | - | - | 1 | - | - | - | - | - | - | - | - | 1 | - | - | - | - | 1 |
| Syphilis - Congenital | - | - | - | - | - | - | - | - | - | - | 1 | 2 | - | - | - | - | - | - | - | - | - | - | - | 1 |
| Syphilis - Early Latent | - | - | - | - | 1 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Syphilis - Late Latent* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Syphilis - Latent of Unknown Duration* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Syphilis - Late with Manifestations* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Syphilis - Primary | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Syphilis - Secondary | - | - | - | - | 1 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| Syphilis - To Be Determined | - | - | - | - | 10 | 18 | - | - | - | - | - | 1 | 1 | - | - | 1 | 1 | - | - | - | - | - | - | 2 |
| Syphilis - Unknown Duration or Late | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - |
| Tetanus | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Toxic Shock | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Trachoma | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Trichinosis | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Tuberculosis | - | - | - | - | 2 | 3 | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Tularemia | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Typhoid Fever | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Vibriosis - Non Cholera | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VISA | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VRSA | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VZ Infection, Unspecified | - | 1 | - | - | 1 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - |
| West Nile Virus | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Yellow Fever | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Yersinia enteritis | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| Zika | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Total | 2 | 14 | 4 | 16 | 129 | 502 | 0 | 15 | 17 | 49 | 4 | 152 | 3 | 226 | 7 | 12 | 148 | 394 | 8 | 63 | 27 | 121 | 5 | 55 |

Disease counts reported here do NOT represent final numbers and are subject to change after cases are reviewed.

| Table of Diseases by Geographic Location | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------|----------|-----------|------------|-----------|------------|------------|--------------|-----------|-----------|----------|----------|-----------|-----------|----------|-----------|----------|----------|----------|----------|-----------|--------------|--------------|----------|
| Time Period: Week 4-2022 | | | | | | | | | | | | | | | | | | | | | | | | |
| Disease | Montmorency | | Muskegon | | Newaygo | | Oakland | | Oceana | | Ogemaw | | Ontonagon | | Osceola | | Oscoda | | Otsego | | Ottawa | | Presque Isle | |
| | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD |
| Rickettsial Disease - Spotted Fever | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Rickettsial Disease - Typhus | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Rubella | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Rubella - Congenital | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Salmonellosis | - | - | - | 1 | - | - | - | 7 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | - | - |
| Shiga toxin-producing Escherichia coli --(STEC) | - | - | - | - | - | - | 1 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Shigellosis | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | - | - |
| Shingles | - | - | - | 1 | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - |
| Streptococcal Dis, Inv, Grp A | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Streptococcal Toxic Shock | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Streptococcus pneumoniae, Drug Resistant | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Streptococcus pneumoniae, Inv | - | - | - | 1 | - | - | - | 1 | - | 1 | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - |
| Syphilis - Congenital | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Syphilis - Early Latent | - | - | - | - | - | - | - | 1 | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Syphilis - Late Latent* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Syphilis - Latent of Unknown Duration* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Syphilis - Late with Manifestations* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Syphilis - Primary | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Syphilis - Secondary | - | - | - | - | - | - | - | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Syphilis - To Be Determined | - | - | 7 | 12 | - | - | 18 | 42 | - | - | - | - | - | - | 1 | 1 | - | - | - | - | 5 | 5 | - | - |
| Syphilis - Unknown Duration or Late | - | - | 1 | 1 | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| Tetanus | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Toxic Shock | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Trachoma | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Trichinosis | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Tuberculosis | - | - | - | 1 | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Tularemia | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Typhoid Fever | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Vibriosis - Non Cholera | - | - | - | - | - | - | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VISA | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VRSA | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VZ Infection, Unspecified | - | - | - | 1 | - | - | - | 2 | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - |
| West Nile Virus | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Yellow Fever | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Yersinia enterocolitica | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zika | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Total | 2 | 9 | 53 | 355 | 90 | 191 | 536 | 1,989 | 52 | 73 | 2 | 9 | 2 | 12 | 8 | 78 | 4 | 8 | 7 | 0 | 37 | 3,310 | 6 | 7 |

Disease counts reported here do NOT represent final numbers and are subject to change after cases are reviewed.

| Table of Diseases by Geographic Location | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-----------|-----|---------|-----|---------|-----|-------------|-----|------------|-----|----------|-----|-----------|-----|---------|-----|-----------|-----|-----------|-----|---------|-----|---------|-----|
| Time Period: Week 4-2022 | | | | | | | | | | | | | | | | | | | | | | | | |
| Disease | Roscommon | | Saginaw | | Sanilac | | Schoolcraft | | Shiawassee | | St Clair | | St Joseph | | Tuscola | | Van Buren | | Washtenaw | | Wayne | | Wexford | |
| | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD |
| Acute Flaccid Myelitis (AFM) | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Amebiasis | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Anthrax | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Babesiosis++ | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Blastomycosis | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 11 | 31 | 1 | 2 | - | - |
| Botulism - Foodborne | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Botulism - Infant | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Botulism - Other | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Brucellosis | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - |
| Campylobacter | - | - | - | 1 | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 12 | - | - |
| Candida auris | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Chancroid | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Chickenpox (Varicella) | - | - | - | - | - | - | - | - | - | - | 6 | - | - | - | - | - | - | - | 1 | 4 | - | - | - | - |
| Chikungunya~ | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Chlamydia (Genital) | - | 3 | 28 | 102 | - | - | - | 1 | 4 | 13 | 6 | 14 | 6 | 16 | 1 | 5 | 3 | 15 | 33 | 92 | 91 | 297 | - | 6 |
| Cholera | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Coccidioidomycosis | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - | - | - | - | - | - | 1 | 2 | - | - |
| CP-CRE | - | 1 | 1 | 3 | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - | - | - | - | 5 | 20 | - | - |
| Creutzfeldt-Jakob Disease | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Cryptococcosis | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - |
| Cryptosporidiosis | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Cyclosporiasis | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Dengue Fever | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Diphtheria | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Ehrlichiosis, Anaplasma phagocytophilum | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Ehrlichiosis, Anaplasma phagocytophilum (2009-2019)* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Ehrlichiosis, Anaplasmosis Undetermined | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Ehrlichiosis, Ehrlichia chaffeensis | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Ehrlichiosis, Ehrlichia chaffeensis (2009-2019)* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Ehrlichiosis, Ehrlichia ewingii | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Ehrlichiosis, Ehrlichia ewingii (2009-2019)* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Ehrlichiosis, human granulocytic* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Ehrlichiosis, human monocytic* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Ehrlichiosis, human other/undetermined (2009-2019)* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Ehrlichiosis* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Ehrlichiosis human, other, unsp* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Encephalitis, California Serogroup | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Encephalitis, Eastern Equine | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Encephalitis, Post Chickenpox | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Encephalitis, Post Mumps | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Encephalitis, Post Other | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Encephalitis, Powassan | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Encephalitis, Primary | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Encephalitis, St. Louis | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Encephalitis, Western Equine | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Flu Like Disease* | - | - | - | 433 | - | - | - | - | 3 | 34 | 54 | 259 | 80 | 403 | 11 | 238 | - | 51 | 38 | 368 | - | - | 10 | 10 |
| Gastrointestinal Illness | - | - | - | 329 | - | - | - | - | - | 47 | - | - | 85 | 248 | - | 48 | - | 79 | - | - | - | - | - | - |
| Giardiasis | - | - | - | 1 | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | 1 | 1 | 1 | - | - |
| Gonorrhea | - | - | 9 | 62 | - | 1 | - | 1 | 1 | 3 | 3 | 8 | - | 4 | - | - | - | 7 | 13 | 43 | 34 | 138 | - | 1 |
| Granuloma Inguinale | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| Guillain-Barre Syndrome | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | - | - |

| Table of Diseases by Geographic Location | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-----------|-----------|-----------|--------------|----------|-----------|-------------|----------|------------|------------|-----------|------------|------------|------------|-----------|------------|-----------|------------|------------|--------------|------------|--------------|-----------|-----------|---|
| Time Period: Week 4-2022 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Disease | Roscommon | | Saginaw | | Sanilac | | Schoolcraft | | Shiawassee | | St Clair | | St Joseph | | Tuscola | | Van Buren | | Washtenaw | | Wayne | | Wexford | | |
| | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | Current | YTD | |
| Rickettsial Disease - Spotted Fever | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - | - | - | - | - | - | - | |
| Rickettsial Disease - Typhus | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Rubella | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Rubella - Congenital | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Salmonellosis | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 3 | - | - | |
| Shiga toxin-producing Escherichia coli --(STEC) | - | - | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | |
| Shigellosis | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Shingles | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | 1 | 1 | 4 | - | - | - | - | |
| Streptococcal Dis, Inv, Grp A | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | |
| Streptococcal Toxic Shock | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Streptococcus pneumoniae, Drug Resistant | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Streptococcus pneumoniae, Inv | - | - | - | 3 | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | 1 | - | 1 | 3 | 11 | - | - | |
| Syphilis - Congenital | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | |
| Syphilis - Early Latent | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - | - | - | 1 | 1 | 9 | - | - | |
| Syphilis - Late Latent* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Syphilis - Latent of Unknown Duration* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Syphilis - Late with Manifestations* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Syphilis - Primary | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 2 | - | - | |
| Syphilis - Secondary | - | - | - | 1 | - | - | - | - | - | - | - | - | 1 | 1 | - | - | - | - | - | 1 | 1 | 5 | - | - | |
| Syphilis - To Be Determined | - | - | 2 | 5 | - | 1 | - | - | 1 | 1 | - | - | - | - | - | - | - | - | 5 | 6 | 7 | 15 | - | - | |
| Syphilis - Unknown Duration or Late | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | - | - | |
| Tetanus | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Toxic Shock | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Trachoma | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Trichinosis | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Tuberculosis | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 | - | - | |
| Tularemia | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Typhoid Fever | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Vibriosis - Non Cholera | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | |
| VISA | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| VRSA | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| VZ Infection, Unspecified | - | - | - | - | 1 | 2 | - | - | - | 1 | - | - | 1 | 1 | - | - | - | - | - | - | - | 10 | 19 | - | - |
| West Nile Virus | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Yellow Fever | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Yersinia enteritis | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | 1 | |
| Zika | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Total | 5 | 23 | 54 | 1,023 | 7 | 37 | 2 | 6 | 10 | 104 | 72 | 314 | 184 | 704 | 23 | 330 | 5 | 160 | 163 | 1,218 | 343 | 1,352 | 22 | 61 | |

Disease counts reported here do NOT represent final numbers and are subject to change after cases are reviewed.

Report 8: Epi-Curve Graph

Time Period: 01/29/2020 - 01/29/2022

Time Breakdown: by Week

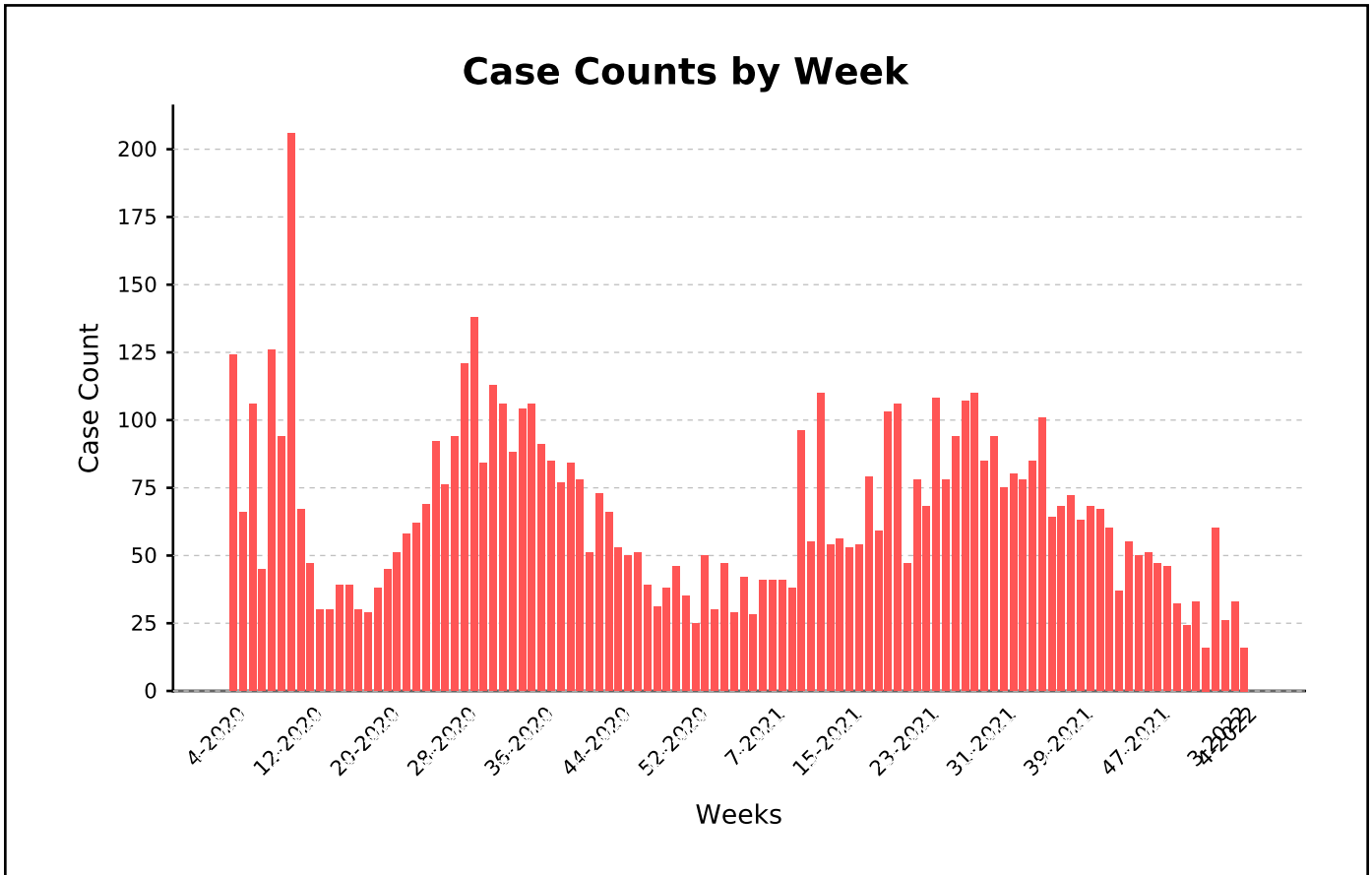
Geographic Area: The State of Michigan

Disease Group: Foodborne

Case Status: Confirmed, Probable, Suspect

Case Types: Individual and Aggregate

Investigation Status: Completed, Completed - Follow Up



| Week | Total |
|---------|-------|
| 4-2020 | 124 |
| 5-2020 | 66 |
| 6-2020 | 106 |
| 7-2020 | 45 |
| 8-2020 | 126 |
| 9-2020 | 94 |
| 10-2020 | 206 |
| 11-2020 | 67 |
| 12-2020 | 47 |
| 13-2020 | 30 |
| 14-2020 | 30 |
| 15-2020 | 39 |
| 16-2020 | 39 |
| 17-2020 | 30 |
| 18-2020 | 29 |

| Week | Total |
|---------|-------|
| 19-2020 | 38 |
| 20-2020 | 45 |
| 21-2020 | 51 |
| 22-2020 | 58 |
| 23-2020 | 62 |
| 24-2020 | 69 |
| 25-2020 | 92 |
| 26-2020 | 76 |
| 27-2020 | 94 |
| 28-2020 | 121 |
| 29-2020 | 138 |
| 30-2020 | 84 |
| 31-2020 | 113 |
| 32-2020 | 106 |
| 33-2020 | 88 |

| Week | Total |
|---------|-------|
| 34-2020 | 104 |
| 35-2020 | 106 |
| 36-2020 | 91 |
| 37-2020 | 85 |
| 38-2020 | 77 |
| 39-2020 | 84 |
| 40-2020 | 78 |
| 41-2020 | 51 |
| 42-2020 | 73 |
| 43-2020 | 66 |
| 44-2020 | 53 |
| 45-2020 | 50 |
| 46-2020 | 51 |
| 47-2020 | 39 |
| 48-2020 | 31 |

| Week | Total |
|---------|-------|
| 49-2020 | 38 |
| 50-2020 | 46 |
| 51-2020 | 35 |
| 52-2020 | 25 |
| 1-2021 | 30 |
| 2-2021 | 47 |
| 3-2021 | 29 |
| 4-2021 | 42 |
| 5-2021 | 28 |
| 6-2021 | 41 |
| 7-2021 | 41 |
| 8-2021 | 41 |
| 9-2021 | 38 |
| 10-2021 | 96 |

| Week | Total |
|---------|-------|
| 11-2021 | 55 |
| 12-2021 | 110 |
| 13-2021 | 54 |
| 14-2021 | 56 |
| 15-2021 | 53 |
| 16-2021 | 54 |
| 17-2021 | 79 |
| 18-2021 | 59 |
| 19-2021 | 103 |
| 20-2021 | 106 |
| 21-2021 | 47 |
| 22-2021 | 78 |
| 23-2021 | 68 |
| 24-2021 | 108 |
| 25-2021 | 78 |

| Week | Total |
|-------------|--------------|
| 26-2021 | 94 |
| 27-2021 | 107 |
| 28-2021 | 110 |
| 29-2021 | 85 |
| 30-2021 | 94 |
| 31-2021 | 75 |
| 32-2021 | 80 |
| 33-2021 | 78 |
| 34-2021 | 85 |
| 35-2021 | 101 |
| 36-2021 | 64 |
| 37-2021 | 68 |
| 38-2021 | 72 |
| 39-2021 | 63 |
| 40-2021 | 68 |
| 41-2021 | 67 |
| 42-2021 | 60 |
| 43-2021 | 37 |
| 44-2021 | 55 |
| 45-2021 | 50 |
| 46-2021 | 51 |
| 47-2021 | 47 |
| 48-2021 | 46 |
| 49-2021 | 32 |
| 50-2021 | 24 |
| 51-2021 | 33 |
| 52-2021 | 16 |
| 1-2022 | 60 |
| 2-2022 | 26 |
| 3-2022 | 33 |
| 4-2022 | 16 |

Report 8: Epi-Curve Graph

Time Period: 01/29/2020 - 01/29/2022

Time Breakdown: by Week

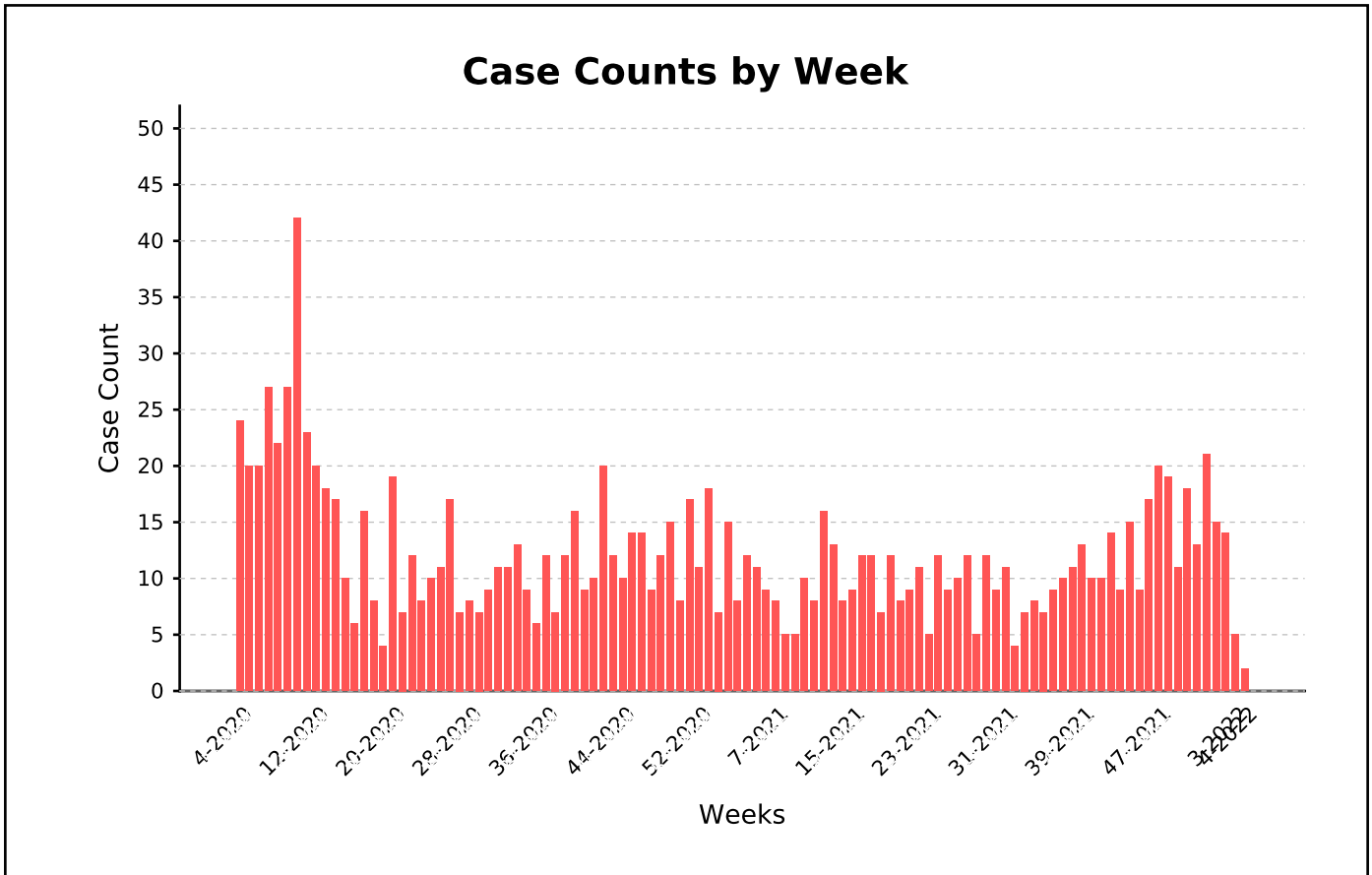
Geographic Area: The State of Michigan

Disease Group: Meningitis

Case Status: Confirmed, Probable, Suspect

Case Types: Individual and Aggregate

Investigation Status: Completed, Completed - Follow Up



| Week | Total |
|---------|-------|
| 4-2020 | 24 |
| 5-2020 | 20 |
| 6-2020 | 20 |
| 7-2020 | 27 |
| 8-2020 | 22 |
| 9-2020 | 27 |
| 10-2020 | 42 |
| 11-2020 | 23 |
| 12-2020 | 20 |
| 13-2020 | 18 |
| 14-2020 | 17 |
| 15-2020 | 10 |
| 16-2020 | 6 |
| 17-2020 | 16 |
| 18-2020 | 8 |

| Week | Total |
|---------|-------|
| 19-2020 | 4 |
| 20-2020 | 19 |
| 21-2020 | 7 |
| 22-2020 | 12 |
| 23-2020 | 8 |
| 24-2020 | 10 |
| 25-2020 | 11 |
| 26-2020 | 17 |
| 27-2020 | 7 |
| 28-2020 | 8 |
| 29-2020 | 7 |
| 30-2020 | 9 |
| 31-2020 | 11 |
| 32-2020 | 11 |
| 33-2020 | 13 |

| Week | Total |
|---------|-------|
| 34-2020 | 9 |
| 35-2020 | 6 |
| 36-2020 | 12 |
| 37-2020 | 7 |
| 38-2020 | 12 |
| 39-2020 | 16 |
| 40-2020 | 9 |
| 41-2020 | 10 |
| 42-2020 | 20 |
| 43-2020 | 12 |
| 44-2020 | 10 |
| 45-2020 | 14 |
| 46-2020 | 14 |
| 47-2020 | 9 |
| 48-2020 | 12 |

| Week | Total |
|---------|-------|
| 49-2020 | 15 |
| 50-2020 | 8 |
| 51-2020 | 17 |
| 52-2020 | 11 |
| 53-2020 | 18 |
| 1-2021 | 7 |
| 2-2021 | 15 |
| 3-2021 | 8 |
| 4-2021 | 12 |
| 5-2021 | 11 |
| 6-2021 | 9 |
| 7-2021 | 8 |
| 8-2021 | 5 |
| 9-2021 | 5 |
| 10-2021 | 10 |

| Week | Total |
|---------|-------|
| 11-2021 | 8 |
| 12-2021 | 16 |
| 13-2021 | 13 |
| 14-2021 | 8 |
| 15-2021 | 9 |
| 16-2021 | 12 |
| 17-2021 | 12 |
| 18-2021 | 7 |
| 19-2021 | 12 |
| 20-2021 | 8 |
| 21-2021 | 9 |
| 22-2021 | 11 |
| 23-2021 | 5 |
| 24-2021 | 12 |
| 25-2021 | 9 |

| Week | Total |
|-------------|--------------|
| 26-2021 | 10 |
| 27-2021 | 12 |
| 28-2021 | 5 |
| 29-2021 | 12 |
| 30-2021 | 9 |
| 31-2021 | 11 |
| 32-2021 | 4 |
| 33-2021 | 7 |
| 34-2021 | 8 |
| 35-2021 | 7 |
| 36-2021 | 9 |
| 37-2021 | 10 |
| 38-2021 | 11 |
| 39-2021 | 13 |
| 40-2021 | 10 |
| 41-2021 | 10 |
| 42-2021 | 14 |
| 43-2021 | 9 |
| 44-2021 | 15 |
| 45-2021 | 9 |
| 46-2021 | 17 |
| 47-2021 | 20 |
| 48-2021 | 19 |
| 49-2021 | 11 |
| 50-2021 | 18 |
| 51-2021 | 13 |
| 52-2021 | 21 |
| 1-2022 | 15 |
| 2-2022 | 14 |
| 3-2022 | 5 |
| 4-2022 | 2 |