



2023 Kalamazoo County Communicable Disease Summary: Q3

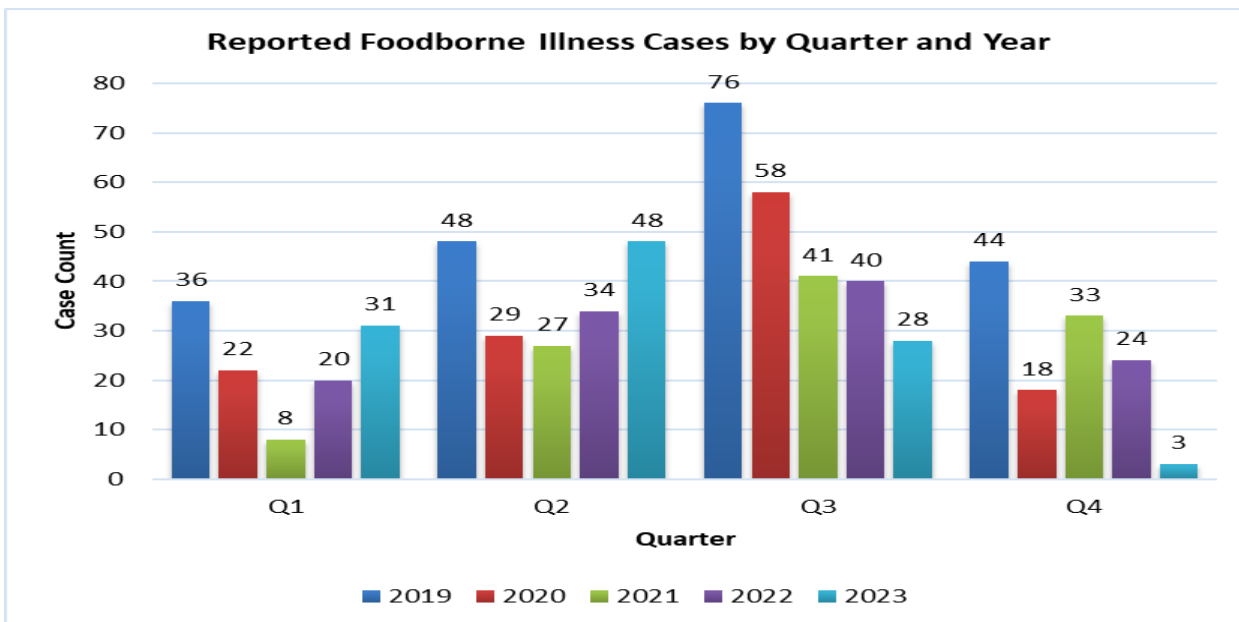
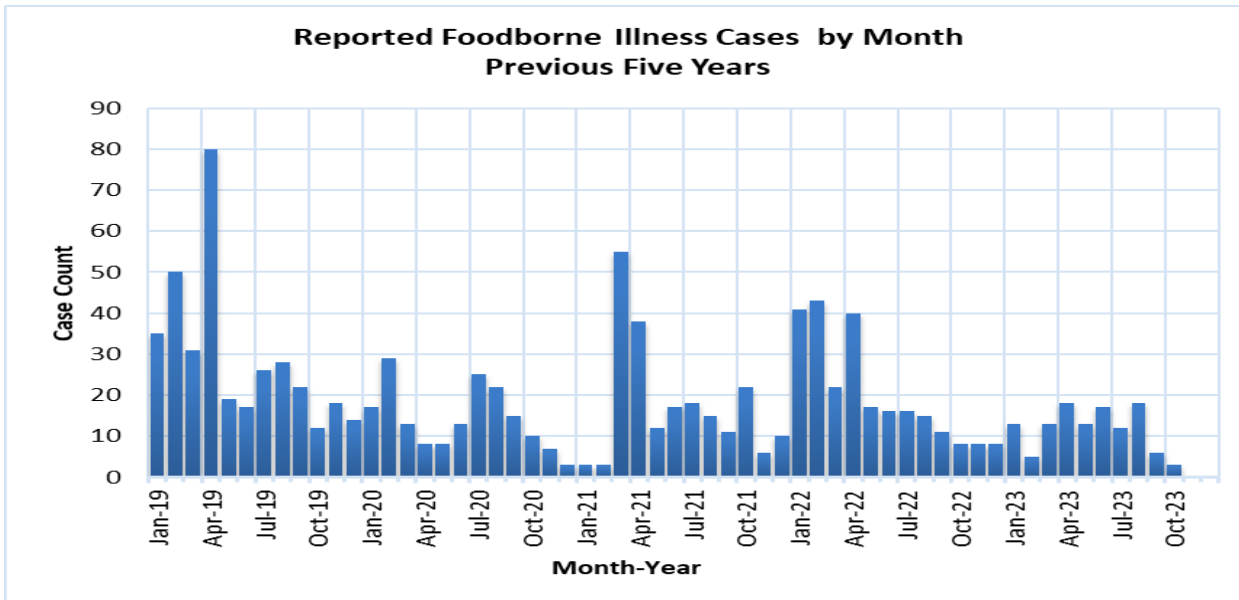
This report shows trends in Kalamazoo County for reportable conditions in Michigan during the third quarter of the year. Additionally, for selected diseases, monthly case counts for the previous five years are shown. For detailed reports describing selected diseases visit the Health and Community Services Department webpage at www.kalcounty.com/hcs

Data are provisional, based on current reports in the Michigan Disease Surveillance System (MDSS). 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 numbers reported are NOT final; caution should be used when interpreting trends over time.**

Data was included using the following criteria: case referral date; case status=confirmed, probable and suspect; investigation status=active, completed, completed-follow up, new and review. Case rates were calculated using the U.S. census population denominator provided in MDSS.

Report Date: 10/11/23

Kalamazoo County Foodborne Illnesses



2023 Foodborne Illness Rate per 100,000 by County (January 1-September 30)

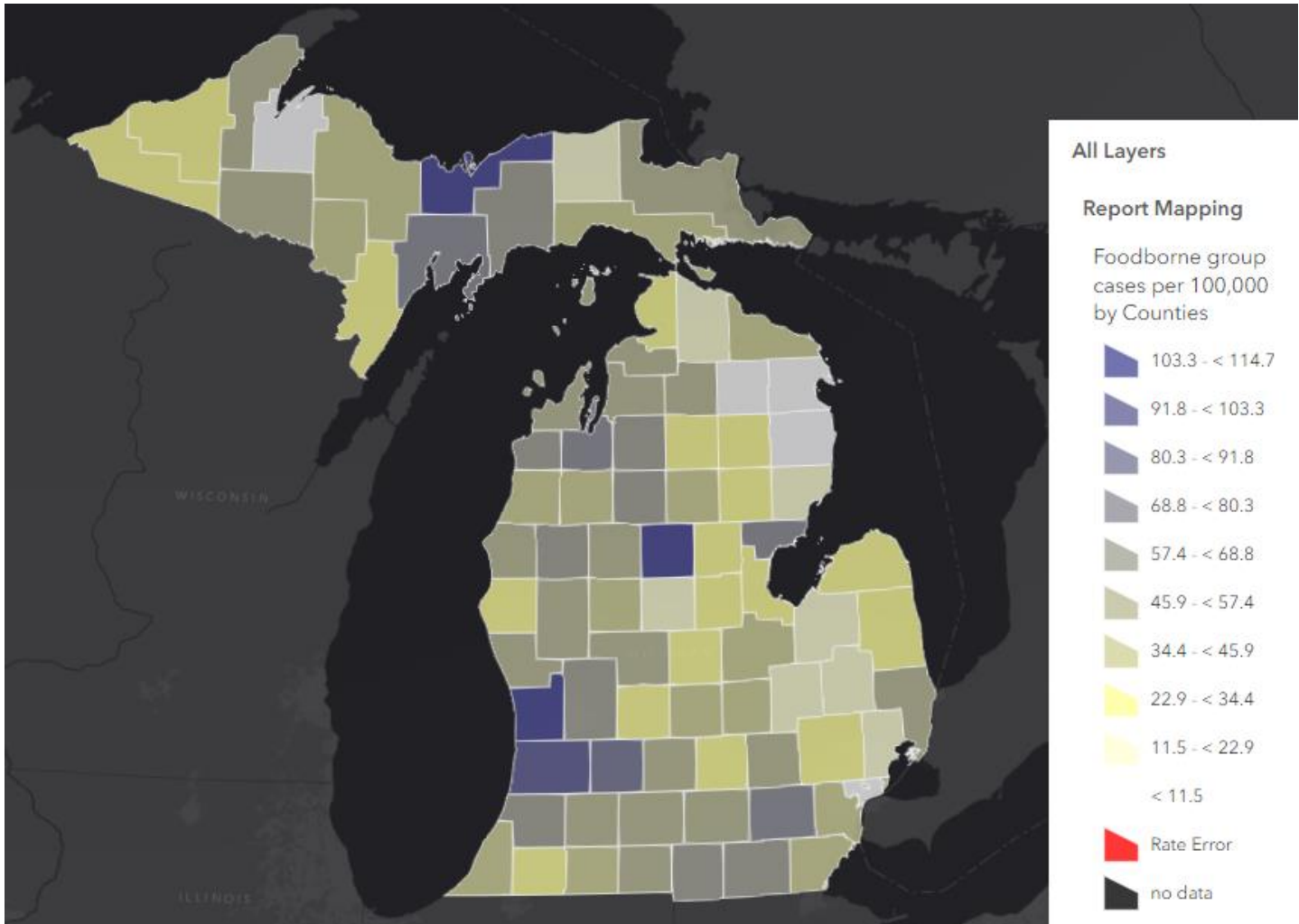
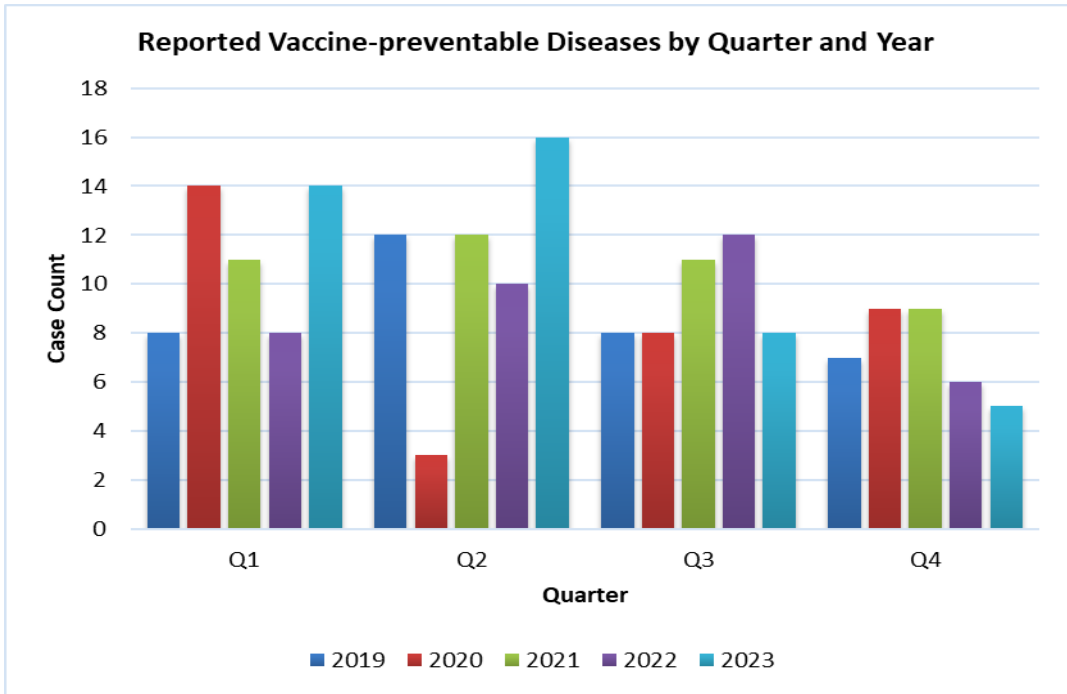
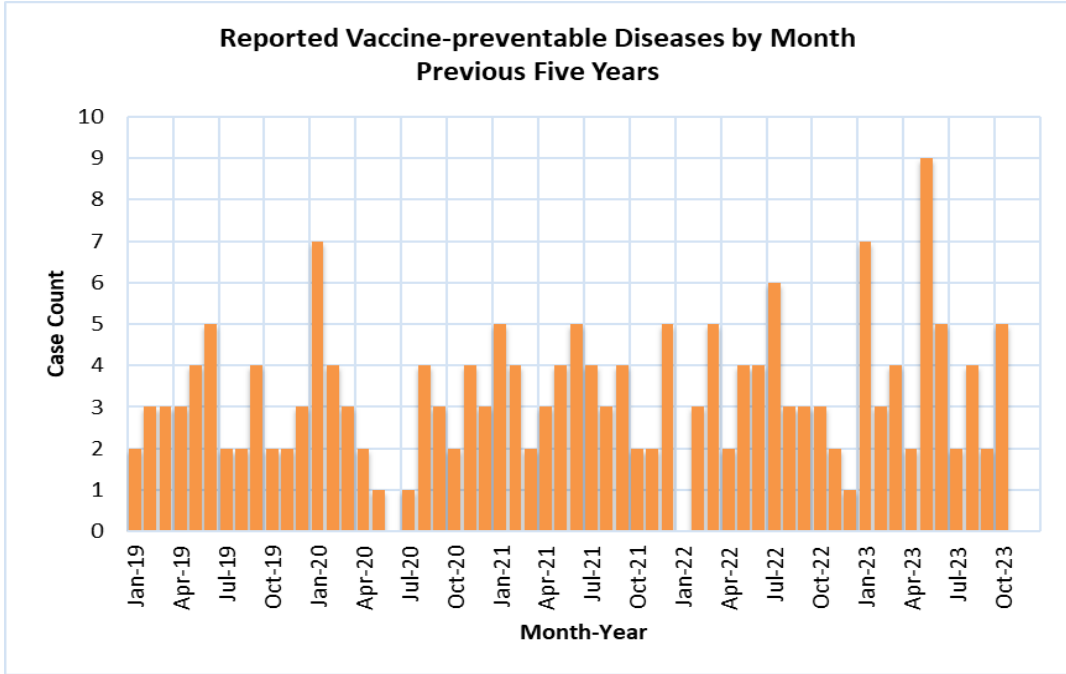


Image Source: Michigan Disease Surveillance System, Accessed 10/11/23

Kalamazoo County Vaccine Preventable Diseases



2023 Vaccine Preventable Disease Illness Rate per 100,000 by County (January 1-September 30)

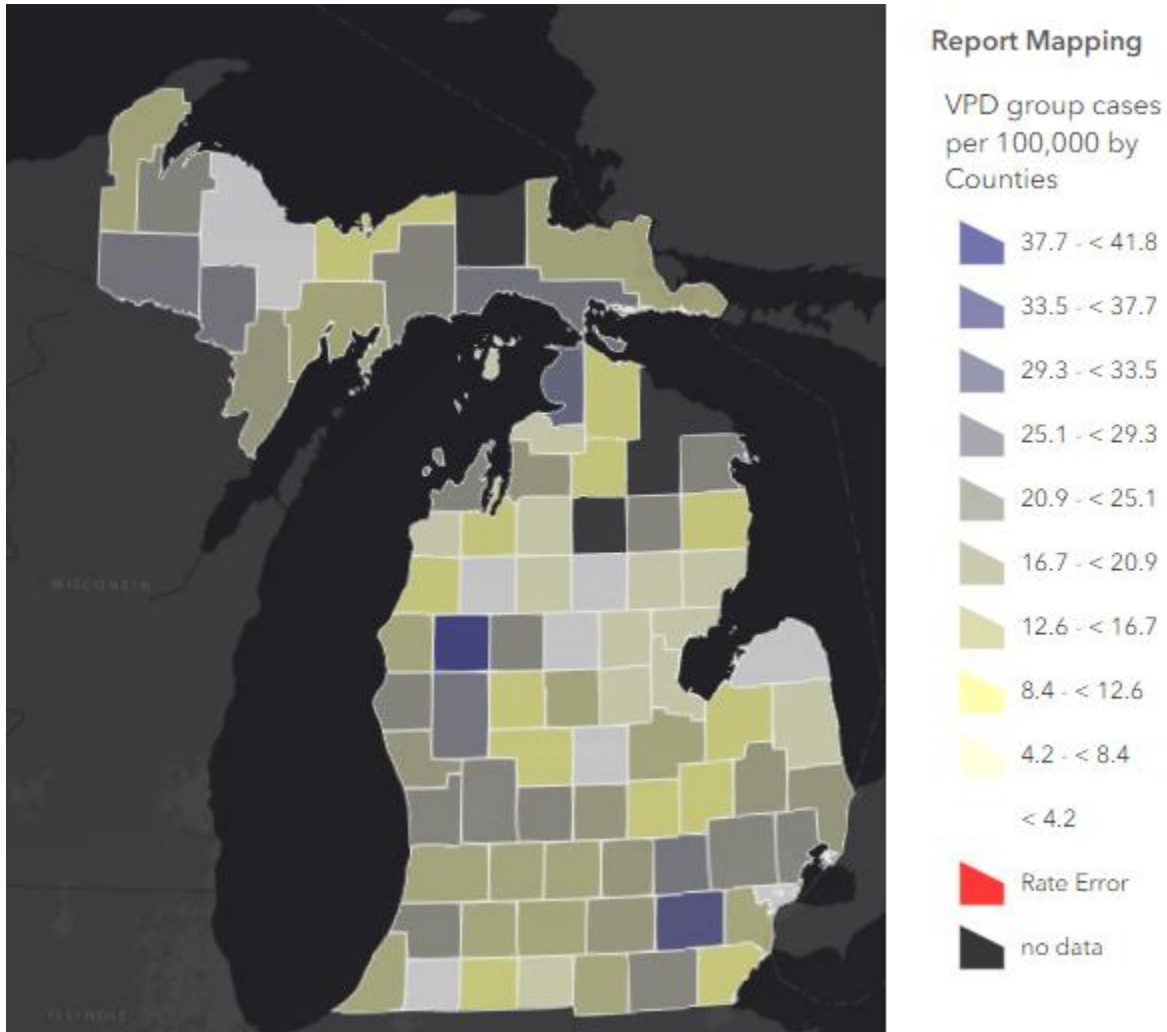
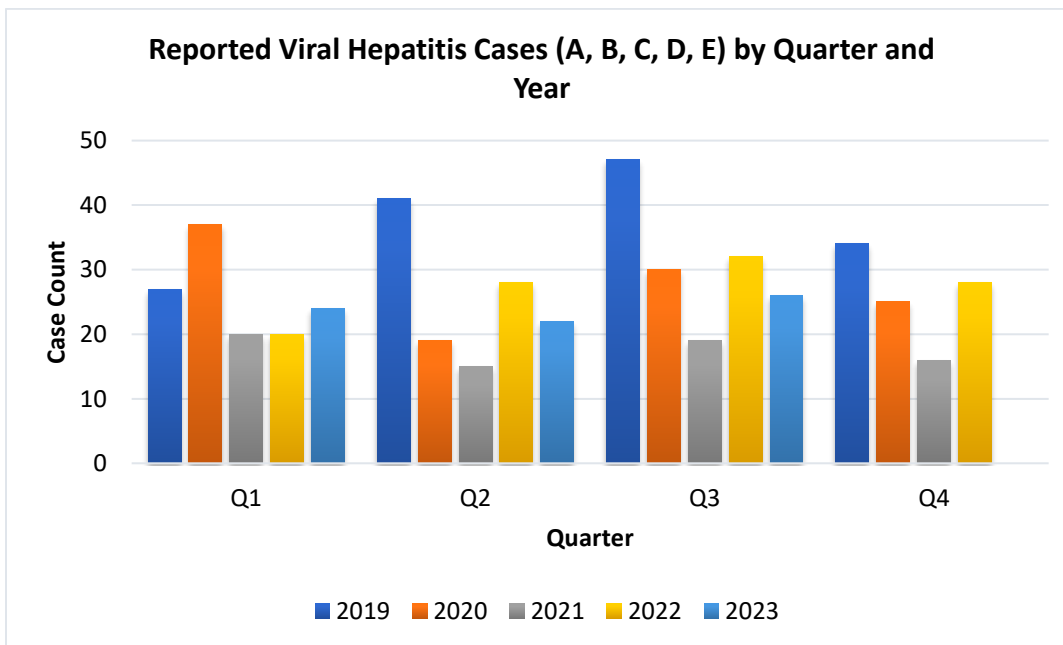
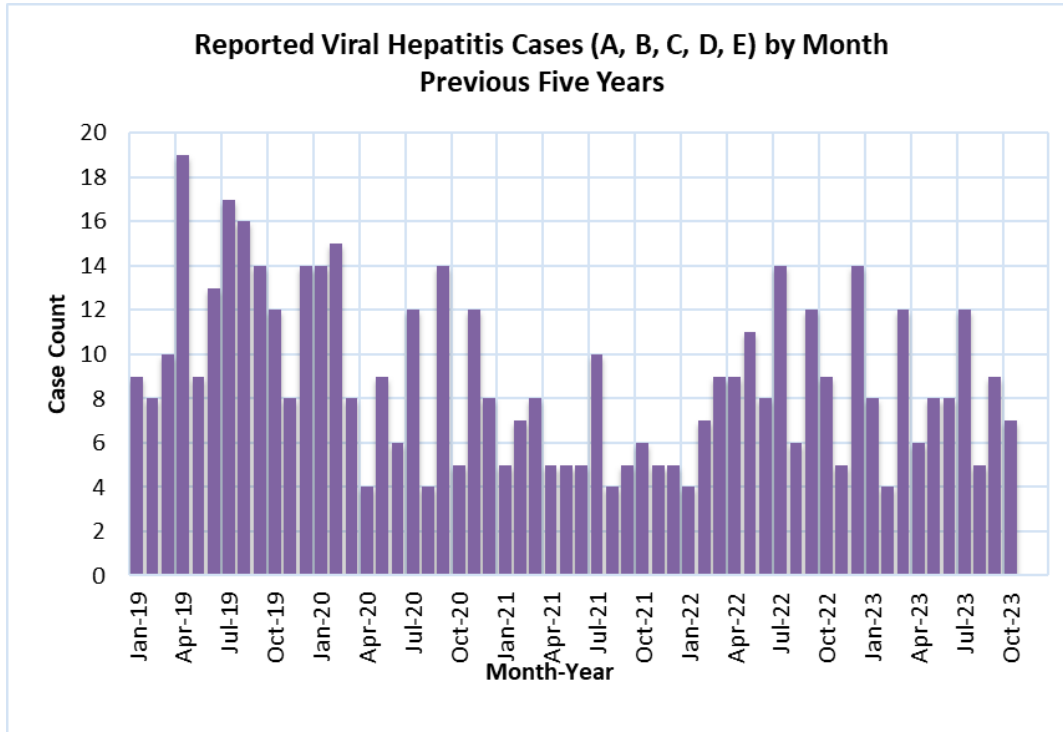


Image Source: Michigan Disease Surveillance System, Accessed 10/11/23

Kalamazoo County Viral Hepatitis



2023 Viral Hepatitis Illness Rate per 100,000 by County (January 1-September 30)

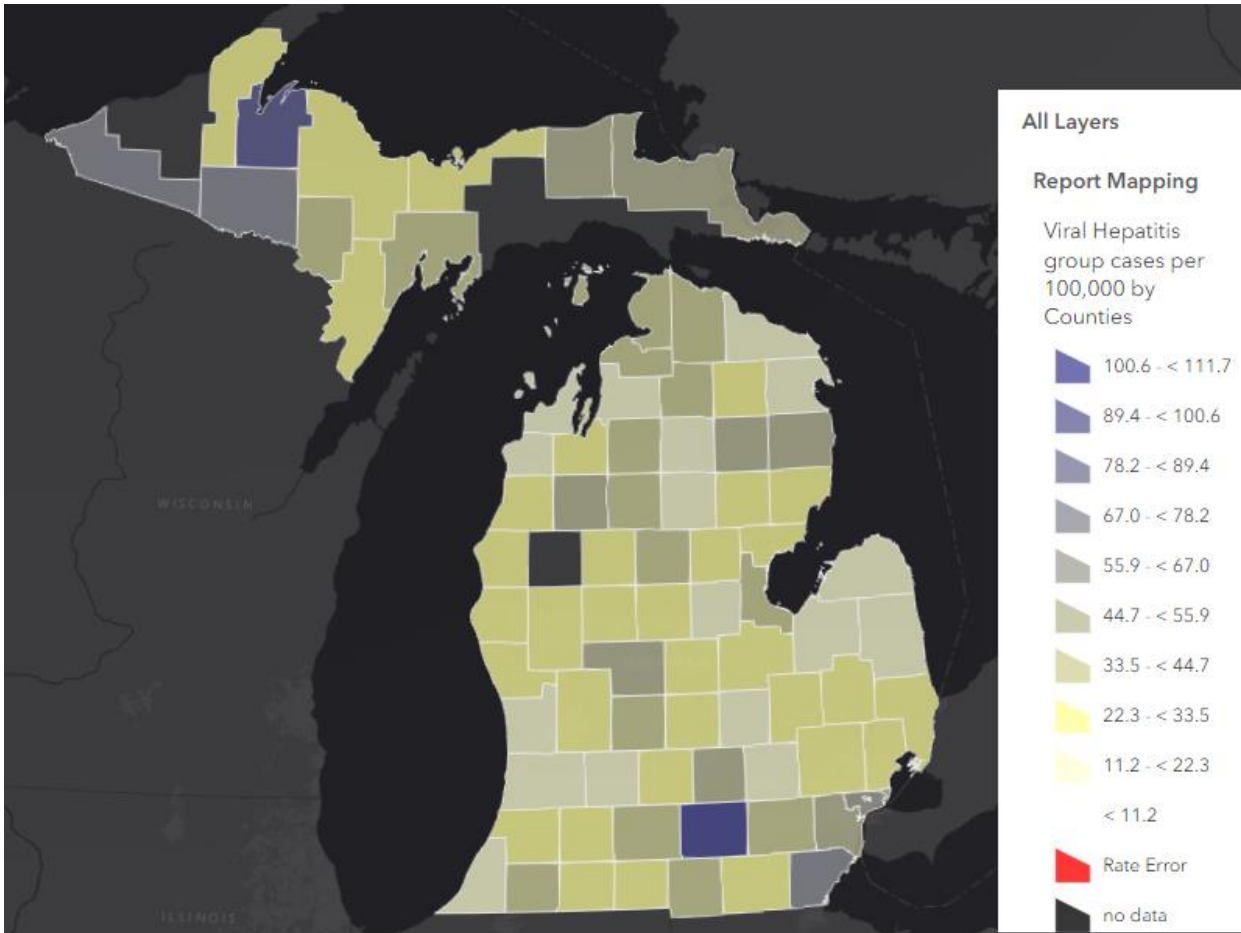
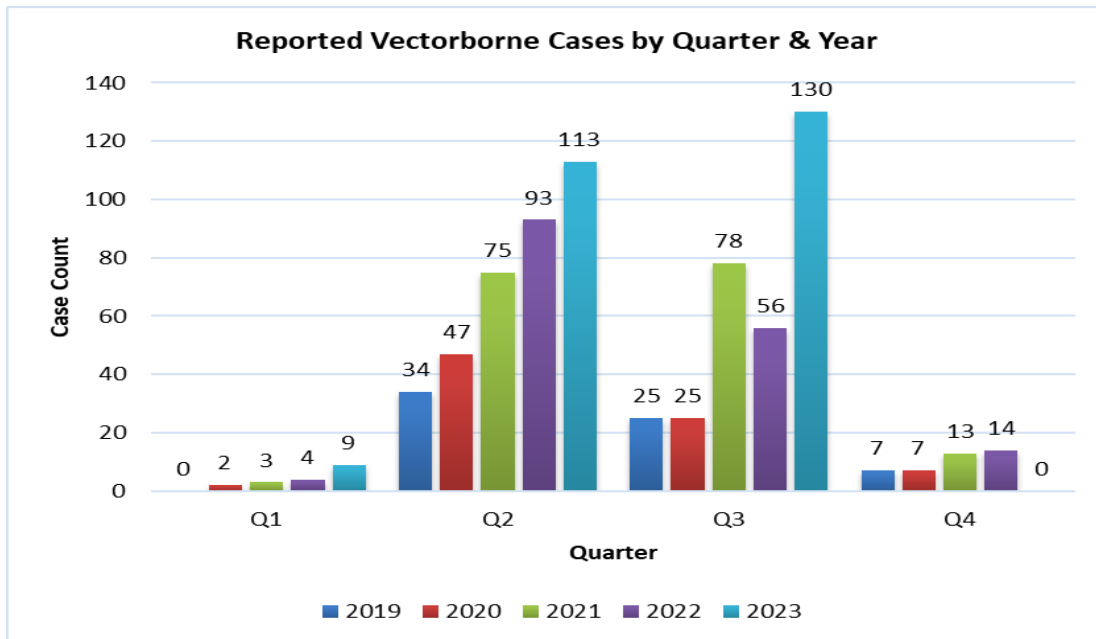
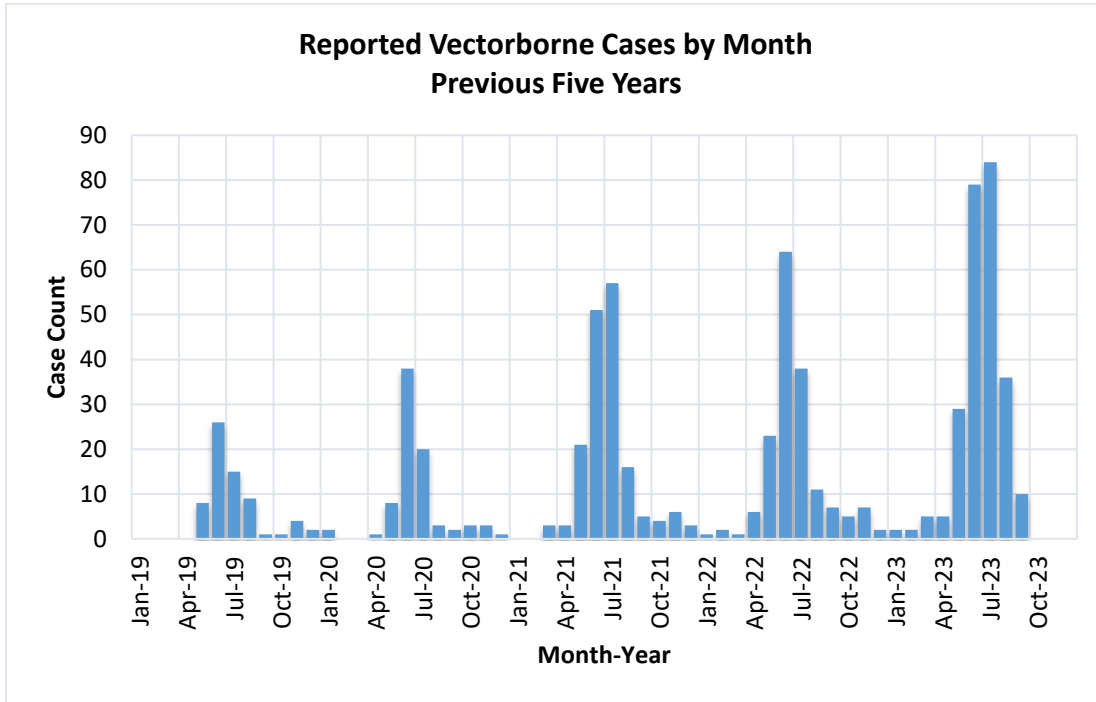
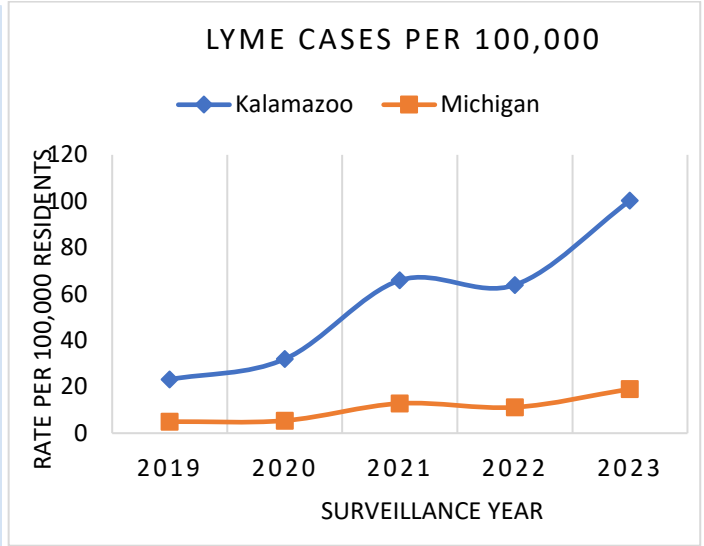
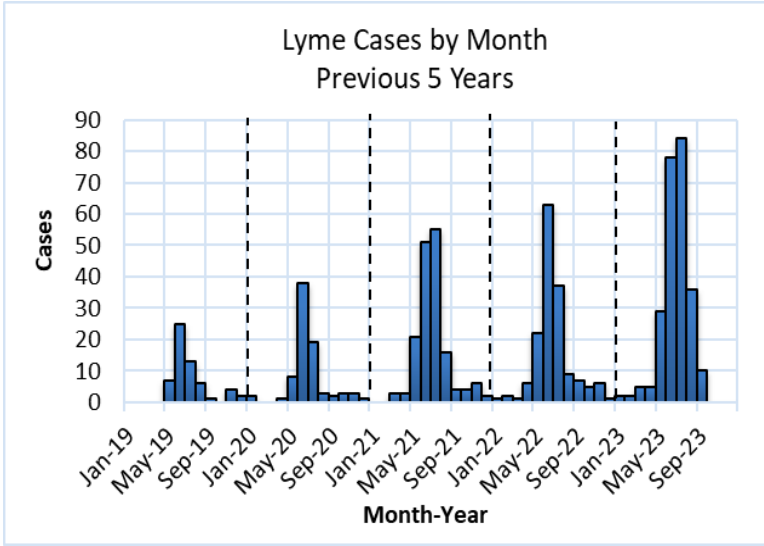


Image Source: Michigan Disease Surveillance System, Accessed 10/11/23

Kalamazoo County Vectorborne Diseases



Kalamazoo County Lyme Disease Cases



2023 Lyme Disease Illness Rate per 100,000 by County (January 1-September 30)

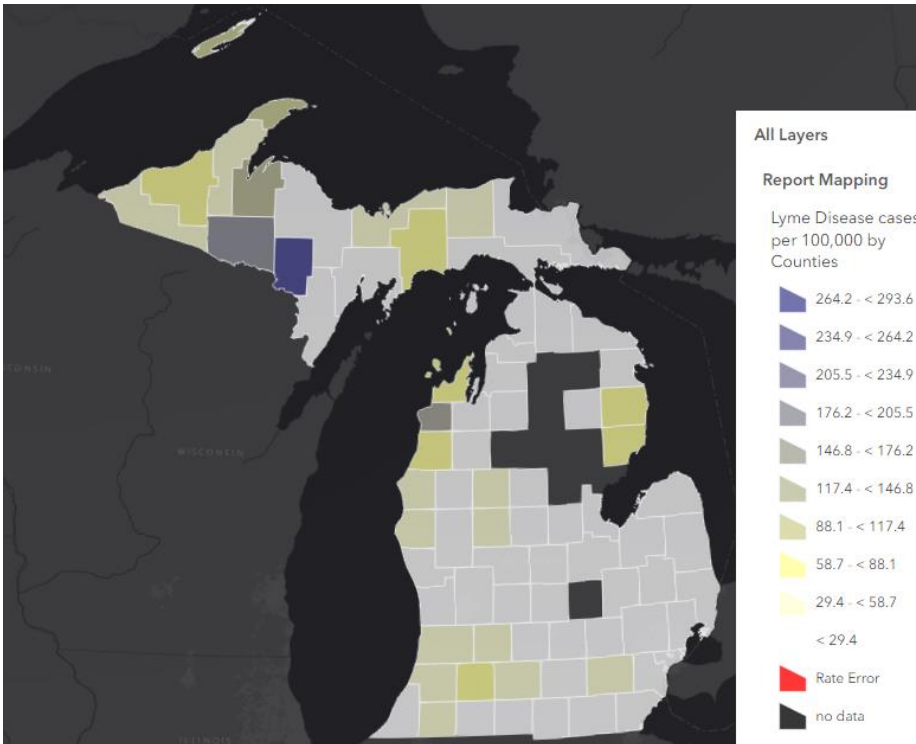
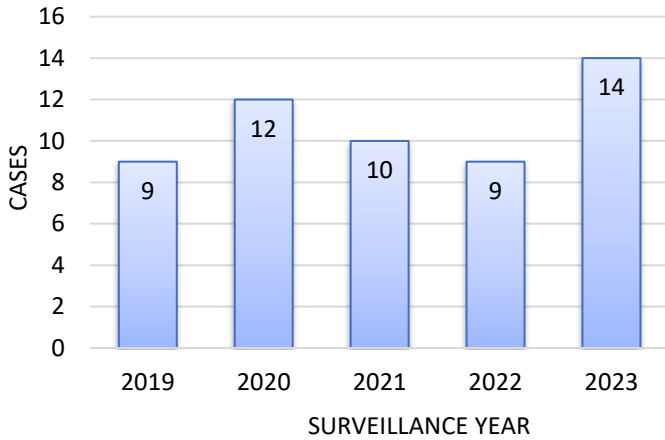


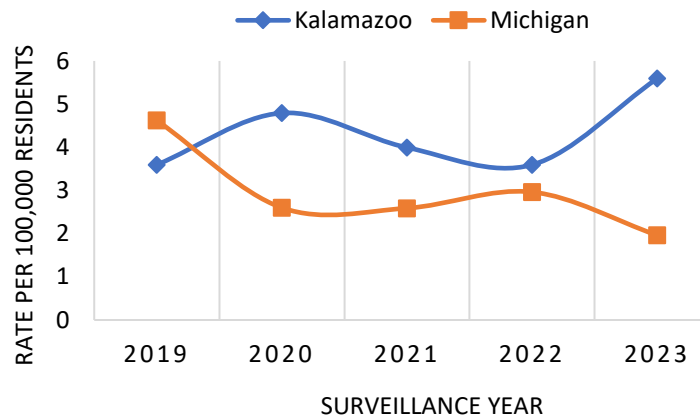
Image Source: Michigan Disease Surveillance System, Accessed 10/11/23

Kalamazoo County Other Diseases

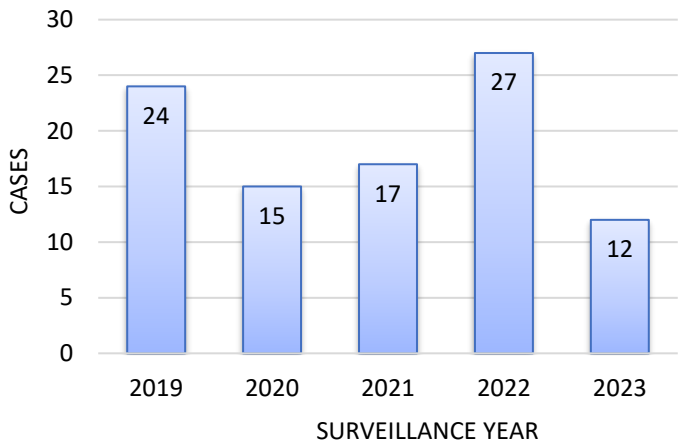
Meningitis - Aseptic Cases
Previous 5 Years



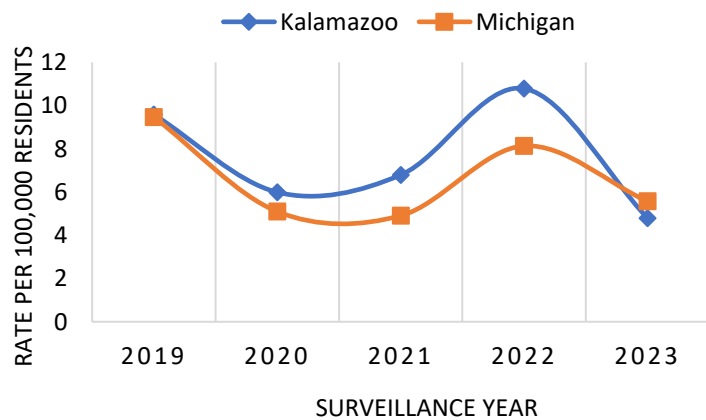
MENINGITIS - ASEPTIC CASES PER
100,000



Invasive Streptococcus pneumoniae Cases
Previous 5 Years

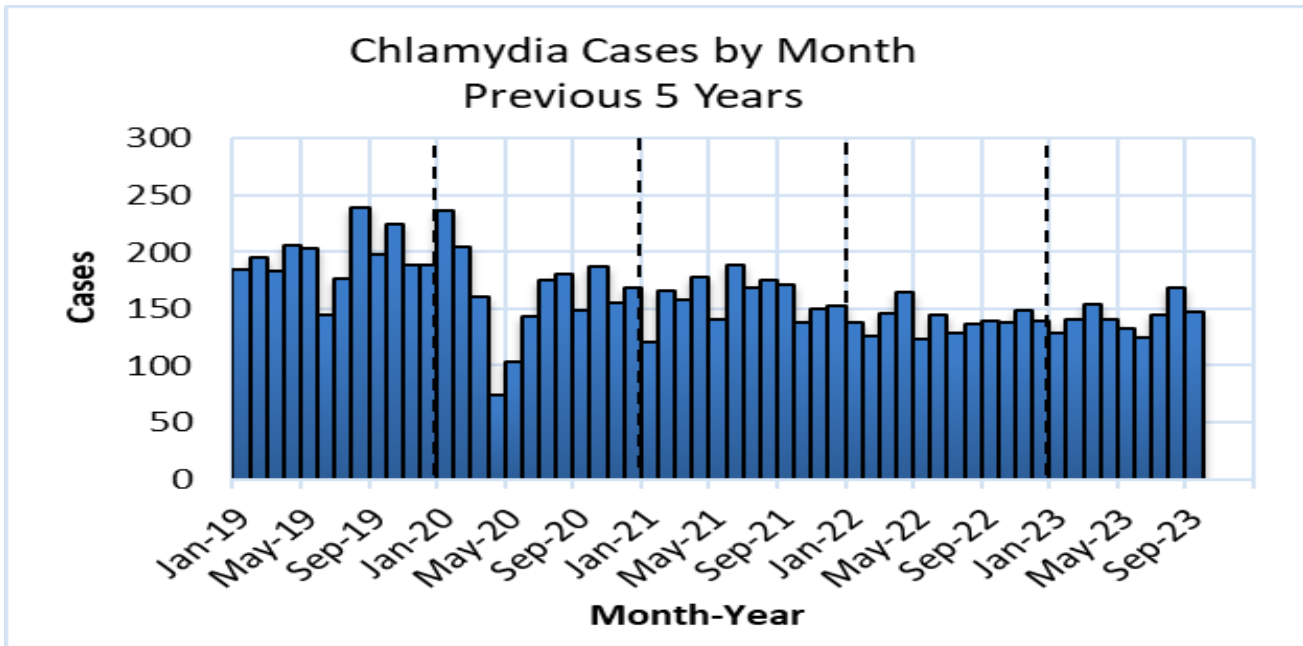
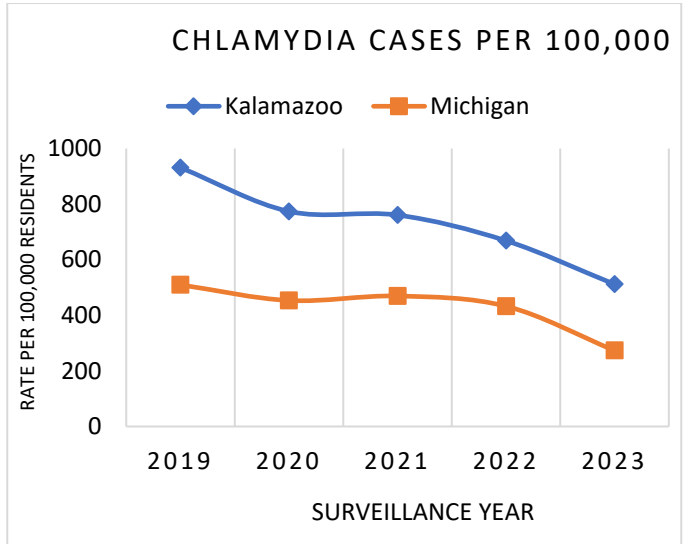
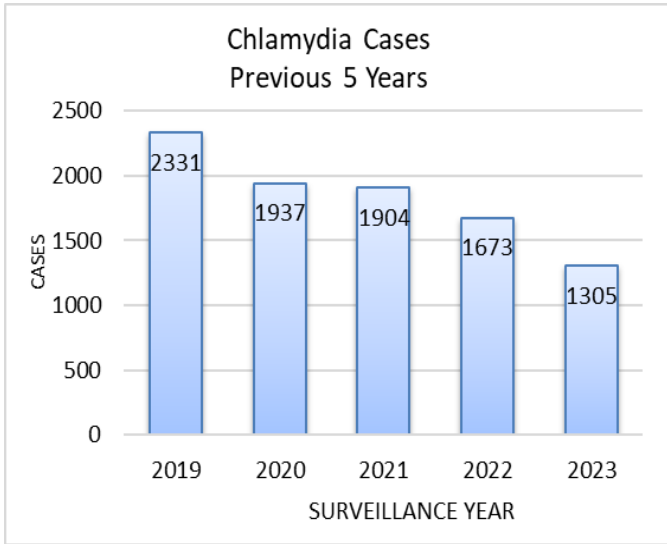


INVASIVE STREPTOCOCCUS
PNEUMONIAE CASES PER 100,000



Kalamazoo County Sexually Transmitted Infections (STIs)

Chlamydia



2023 Chlamydia Rate per 100,000 by County (January 1-September 30)

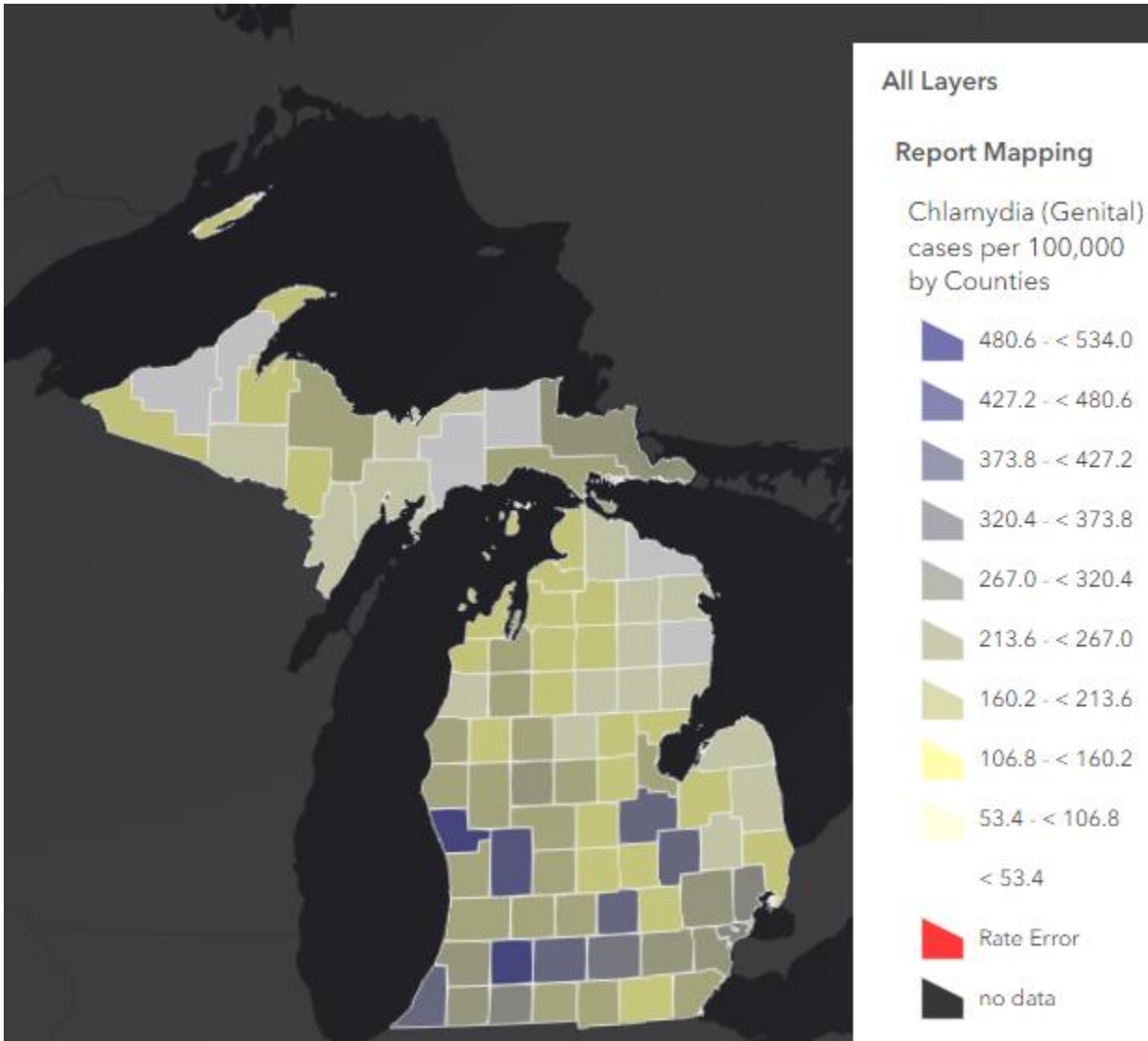
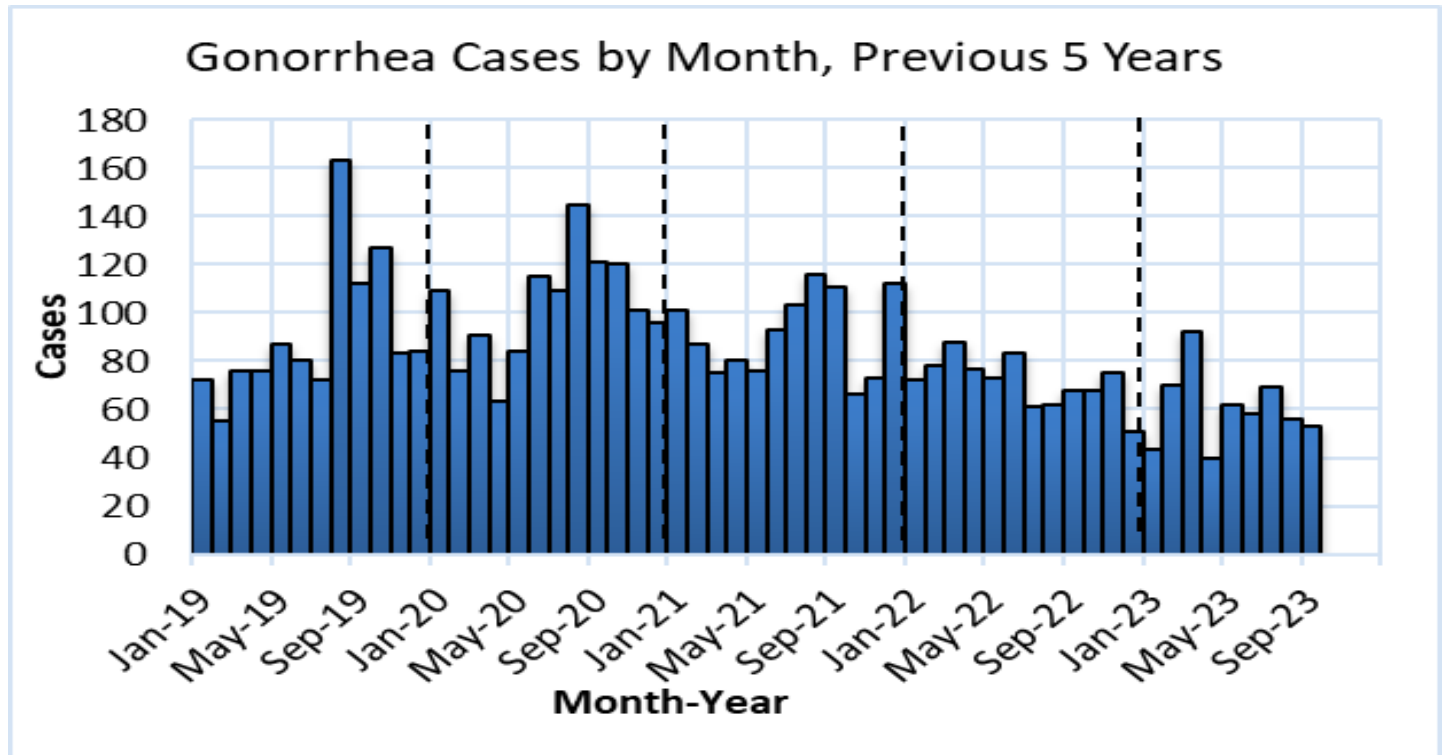
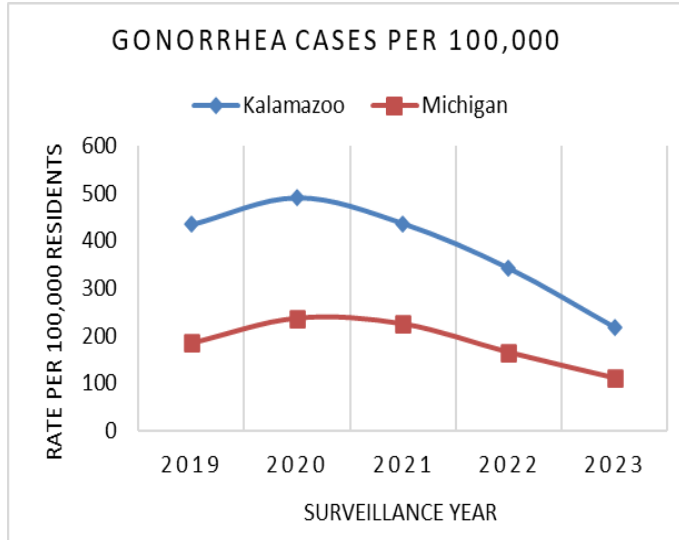
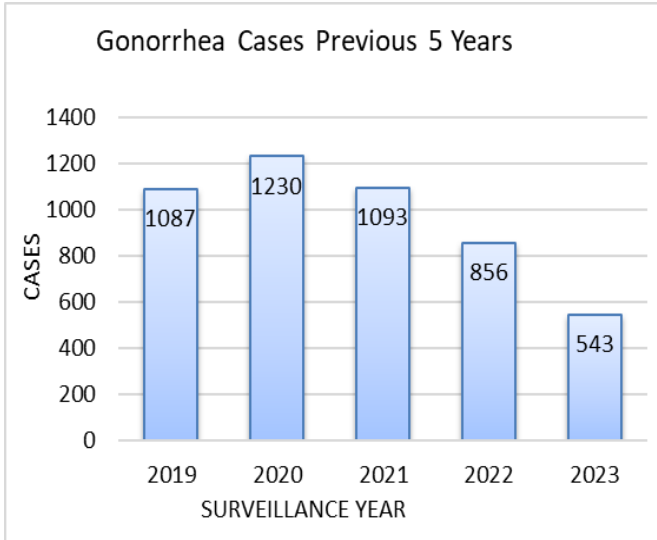


Image Source: Michigan Disease Surveillance System, Accessed 10/11/23

Gonorrhea



2023 Gonorrhea Rate per 100,000 by County (January 1-September 30)

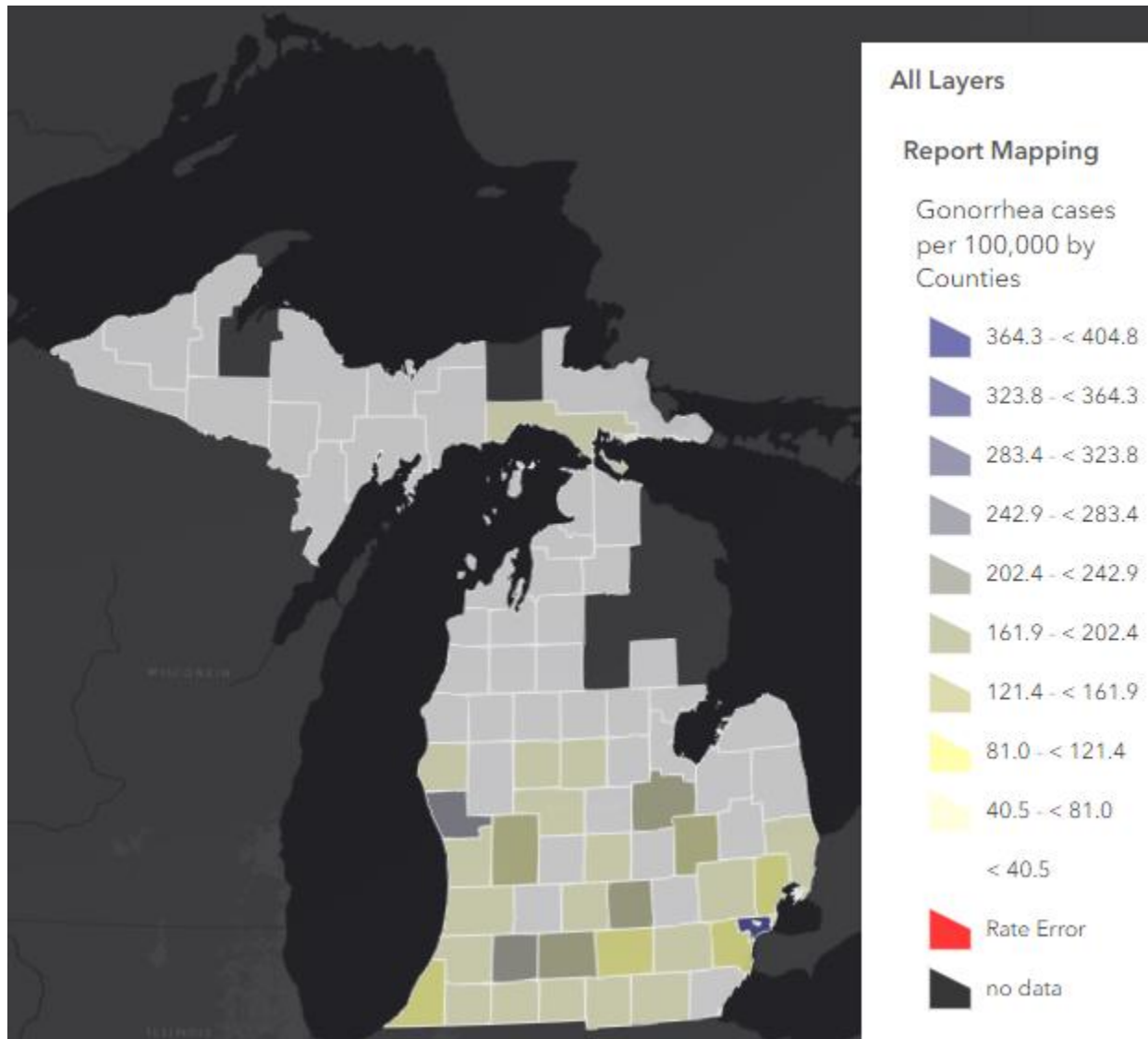
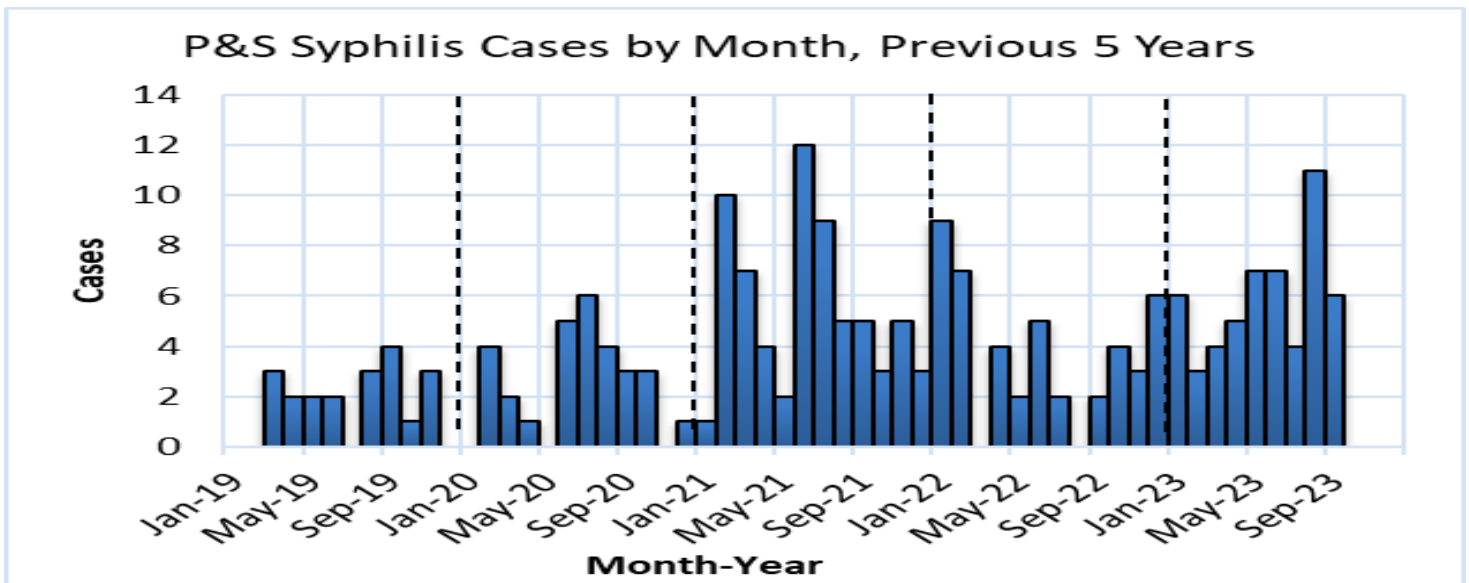
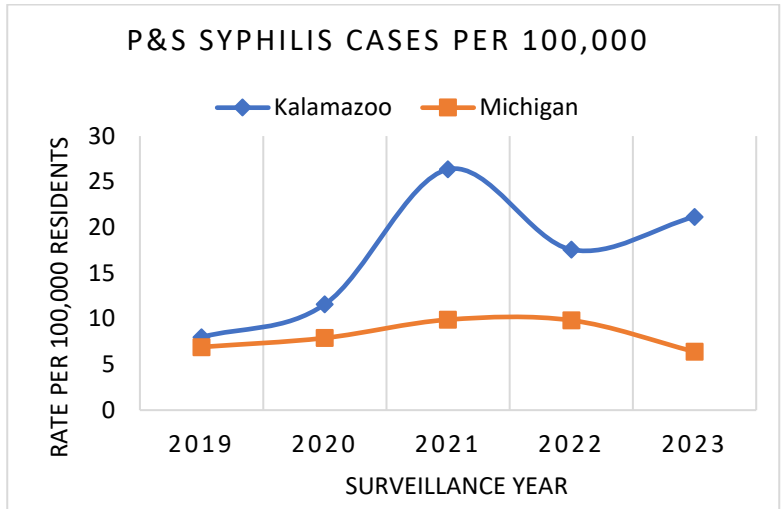
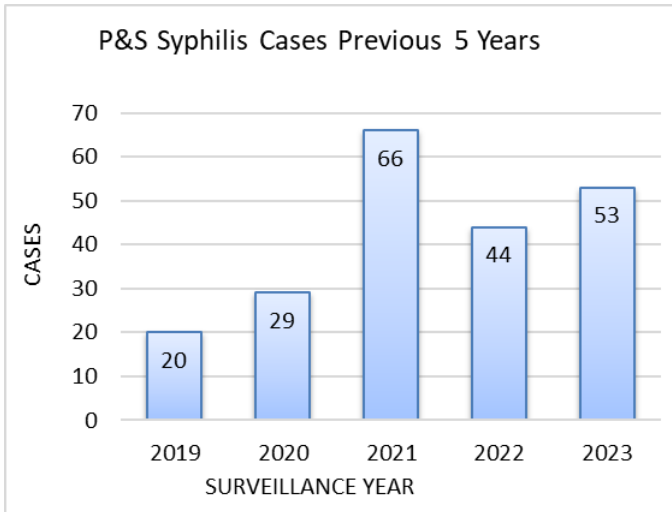


Image Source: Michigan Disease Surveillance System, Accessed 10/11/23

P&S Syphilis



2023 Primary & Secondary Syphilis Rate per 100,000 by County (January 1-September 30)

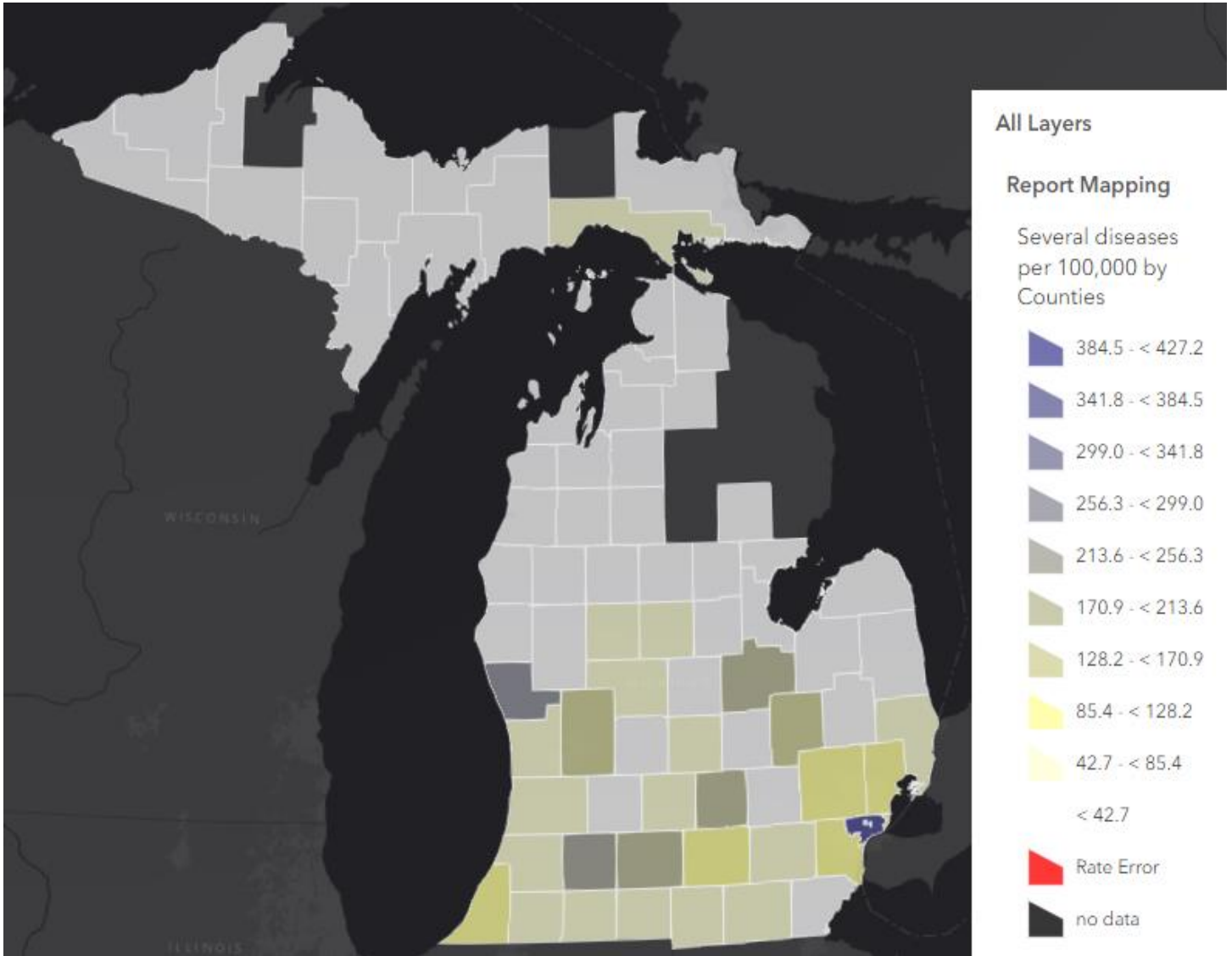


Image Source: Michigan Disease Surveillance System, Accessed 10/11/23

Counties: Kalamazoo
Quarterly Summary of Reportable Diseases

Q3

Disease Group	Reportable Condition	Cases in Last 4 Quarters**				Q3 Cases by Year***				Year End
		Q4-22	Q1-23	Q2-23	Q3-23	Q3-20	Q3-21	Q3-22	Q3-23	2022
Foodborne	Botulism - Foodborne	-	-	-	-	-	-	-	-	-
	Campylobacter	6	7	16	9	20	16	15	9	31
	Cryptosporidiosis	4	3	6	4	9	4	1	4	9
	Giardiasis	3	6	4	1	10	7	8	1	20
	Listeriosis *	1	-	-	-	1	-	-	-	1
	Norovirus	-	-	-	8	4	3	2	8	127
	Paratyphoid Fever	-	-	-	-	-	-	-	-	-
	Salmonellosis	3	5	12	8	12	5	11	8	29
	Shiga toxin-producing Escherichia coli --(STEC) *	1	6	-	3	3	6	3	3	13
	Shigellosis	2	1	2	1	-	1	2	1	7
	Typhoid Fever	1	1	-	-	-	-	-	-	1
	Yersinia enterocolitica	3	2	8	2	3	2	-	2	6
	Foodborne Subtotal	24	31	48	36	62	44	42	36	245
	Influenza	Flu Like Disease*	4,006	1,613	746	951	21	345	353	951
Influenza		690	1,054	19	9	-	1	4	9	967
Influenza, Novel		-	-	-	-	-	-	-	-	-
Influenza Subtotal	4,696	2,667	765	960	21	346	357	960	7,595	
COVID19/MIS	Multisystem Inflammatory Syndrome	-	-	-	-	-	1	-	-	1
	Novel Coronavirus COVID-19	4,311	2,587	611	1,256	2,114	4,340	7,512	1,256	35,735
	COVID19/MIS Subtotal	4,311	2,587	611	1,256	2,114	4,341	7,512	1,256	35,736
Meningitis	Cronobacter (infant)	-	-	-	-	-	-	-	-	-
	Meningitis - Aseptic	3	1	5	8	2	3	4	8	9
	Meningitis - Bacterial Other	2	4	1	3	-	1	2	3	6
	Meningococcal Disease	-	-	-	-	-	-	-	-	-
	Streptococcus pneumoniae, Inv	14	7	2	3	1	2	2	3	27
Meningitis Subtotal	19	12	8	14	3	6	8	14	42	
Other	Acute Flaccid Myelitis (AFM)	-	-	-	-	-	-	-	-	-
	Anthrax	-	-	-	-	-	-	-	-	-
	Blastomycosis	-	-	-	2	-	-	-	2	1
	Botulism - Infant	-	-	-	-	-	-	-	-	-
	Brucellosis	-	-	-	-	-	-	-	-	-
	CP-CRE *	-	1	-	-	-	1	-	-	-
	Candida auris	-	-	-	-	-	-	-	-	-
	Cholera *	-	-	-	-	-	-	-	-	-
	Coccidioidomycosis	-	-	-	-	-	-	-	-	-
	Creutzfeldt-Jakob Disease	-	-	-	-	-	-	-	-	-
	Cyclosporiasis *	-	-	2	4	-	3	1	4	3
	Encephalitis, Post Chickenpox	-	-	-	-	-	-	-	-	-
	Encephalitis, Post Mumps	-	-	-	-	-	-	-	-	-
	Encephalitis, Post Other	1	-	-	-	-	-	-	-	1
	Encephalitis, Primary	-	-	-	-	-	-	1	-	2
	Guillain-Barre Syndrome	-	1	1	-	-	-	-	-	2
	Hantavirus	-	-	-	-	-	-	-	-	-
	Hantavirus, Other	-	-	-	-	-	-	-	-	-
	Hantavirus, Pulmonary	-	-	-	-	-	-	-	-	-
	Hemolytic Uremic Syndrome *	-	-	-	1	-	-	-	1	-
	Hemorrhagic Fever	-	-	-	-	-	-	-	-	-
	Histoplasmosis	3	4	-	-	1	4	-	-	6
	Kawasaki	-	-	-	-	-	-	-	-	-
	Legionellosis	3	-	1	1	1	5	3	1	8
	Leprosy	-	-	-	-	-	-	-	-	-
	Leptospirosis	-	-	-	-	-	-	-	-	-
	Melioidosis	-	-	-	-	-	-	-	-	-
	Monkeypox	-	-	-	-	-	-	-	-	-
	Novel Coronavirus SARS/MERS	-	-	-	-	-	-	-	-	-
	Plague	-	-	-	-	-	-	-	-	-
	Psittacosis	-	-	-	-	-	-	-	-	-
Q Fever Acute	-	-	-	-	-	-	-	-	-	
Q Fever Chronic	-	-	-	-	-	-	-	-	-	
Rheumatic Fever	-	-	-	-	-	-	-	-	-	
Other	Rubella - Congenital	-	-	-	-	-	-	-	-	-
	Streptococcus pneumoniae, Drug Resistant	-	-	1	-	1	2	-	-	-
	Streptococcal Dis, Inv, Grp A	13	10	4	7	1	3	3	7	23
	Streptococcal Toxic Shock	-	-	-	-	-	-	-	-	-
	Toxic Shock	-	-	-	-	-	-	-	-	-
	Trachoma	-	-	-	-	-	-	-	-	-
	Trichinosis	-	-	-	-	-	-	-	-	-
	Tularemia	-	-	-	-	-	-	-	-	-
	Vibriosis-non Cholera *	-	-	-	1	3	-	1	1	2
	VISA	-	-	-	-	-	-	-	-	-
VRSA	-	-	-	-	-	-	-	-	-	
Other Subtotal	20	16	9	16	7	18	9	16	48	

Disease Group	Reportable Condition	Cases in Last 4 Quarters**				Q3 Cases by Year***				Year End
		Q4-22	Q1-23	Q2-23	Q3-23	Q3-20	Q3-21	Q3-22	Q3-23	2022
Rabies	Rabies Animal	1	-	-	-	-	-	-	-	2
	Rabies: Potential Exposure & PEP *	5	6	14	9	19	8	20	9	37
	Rabies Subtotal	6	6	14	9	19	8	20	9	39
STD	Chancroid	-	-	-	-	-	-	-	-	-
	Chlamydia (Genital)	426	423	398	460	504	514	405	460	1,673
	Gonorrhea	194	205	160	178	375	330	191	178	856
	Granuloma Inguinale	-	-	-	-	-	-	-	-	-
	Lymphogranuloma venereum	-	-	-	-	-	-	-	-	-
	Syphilis - Congenital	-	-	4	-	-	2	-	-	1
	Syphilis - Early Latent	8	16	11	8	3	2	8	8	22
	Syphilis - Unknown Duration or Late	8	4	9	9	8	15	12	9	40
	Syphilis - To Be Determined	-	-	-	6	-	-	-	6	-
	Syphilis - Primary	4	7	9	10	6	10	-	10	15
	Syphilis - Secondary	9	6	10	11	7	9	4	11	29
	STD Subtotal	649	661	601	682	903	882	620	682	2,636
	Tuberculosis	Latent Tuberculosis Infection	16	10	13	10	10	25	20	10
Nontuberculous Mycobacterium		9	14	6	7	2	7	4	7	18
Tuberculosis		1	3	-	-	1	-	-	-	2
Tuberculosis Subtotal		26	27	19	17	13	32	24	17	144
VPD	Chickenpox (Varicella)	-	-	6	2	-	3	1	2	3
	Diphtheria	-	-	-	-	-	-	-	-	-
	H. influenzae Disease - Inv.	2	1	2	1	-	-	1	1	4
	Measles	-	-	-	-	-	-	-	-	-
	Mumps	-	-	-	-	-	-	-	-	-
	Pertussis	-	-	-	-	-	-	-	-	1
	Polio	-	-	-	-	-	-	-	-	-
	Rubella	-	1	-	-	-	-	-	-	-
	Shingles	4	12	8	4	7	8	10	4	28
	Tetanus	-	-	-	-	-	-	-	-	-
	VZ Infection, Unspecified	-	-	-	1	1	-	-	1	-
	VPD Subtotal	6	14	16	8	8	11	12	8	36
	Vectorborne	Babesiosis	-	-	-	-	-	-	-	-
Chikungunya *		-	-	-	-	-	-	-	-	-
Dengue Fever *		-	-	-	-	-	-	-	-	-
Ehrlichiosis, Anaplasma phagocytophilum *		-	-	1	-	-	-	-	-	-
Ehrlichiosis, Anaplasmosis Undetermined		-	-	-	-	-	-	-	-	-
Ehrlichiosis, Ehrlichia chaffeensis *		-	-	-	-	-	-	-	-	1
Ehrlichiosis, Ehrlichia ewingii *		-	-	-	-	-	-	-	-	-
Encephalitis, California Serogroup *		-	-	-	-	1	2	-	-	-
Encephalitis, Eastern Equine *		-	-	-	-	-	-	-	-	-
Encephalitis, Powassan *		-	-	-	-	-	-	-	-	-
Encephalitis, St. Louis *		-	-	-	-	-	-	-	-	-
Encephalitis, Western Equine *		-	-	-	-	-	-	-	-	-
Lyme Disease		12	9	112	130	24	75	53	130	160
Malaria		2	-	-	-	-	-	2	-	4
Rickettsial Disease - Spotted Fever *		-	-	-	-	-	1	-	-	1
Rickettsial Disease - Typhus		-	-	-	-	-	-	-	-	-
West Nile Virus *		-	-	-	-	-	-	1	-	1
Yellow Fever *	-	-	-	-	-	-	-	-	-	
Zika *	-	-	-	-	-	-	-	-	-	
Vectorborne Subtotal	14	9	113	130	25	78	56	130	167	
Viral Hepatitis	Hepatitis A	-	-	1	-	-	-	-	-	-
	Hepatitis B, Acute	-	-	1	1	-	-	-	1	-
	Hepatitis B, Chronic	5	6	3	6	6	1	5	6	14
	Hepatitis B, Perinatal	-	-	-	-	-	-	-	-	-
	Hepatitis C, Acute	1	5	2	1	1	-	1	1	4
	Hepatitis C, Chronic	22	13	14	18	23	18	26	18	90
	Hepatitis C, Perinatal	-	-	1	-	-	-	-	-	-
	Viral Hepatitis Subtotal	28	24	22	26	30	19	32	26	108
Total		9,799	6,054	2,226	3,154	3,205	5,785	8,692	3,154	46,796

* Indicates includes historic and current forms in MDSS
**Data for cases reported in last four quarters is based on referral date
*** Data for cases reported in same quarter of last 4 years
Q1=Jan-Mar, Q2=Apr-Jun, Q3=Jul-Sep Q4=Oct-Dec