

County	Chickenpox (Varicella)		%change chicken pox 2019-2020	Chlamydia (Genital)		% change chlamydia 2019-2020	Gonorrhea		% change gohorrhea 2019-2020	Hepatitis A		% change hepatitis A 2019-2020	Hepatitis B, Acute		% change hepatitis B, acute 2019-2020
	2019	2020		2019	2020		2019	2020		2019	2020		2019	2020	
Arenac	0	0	0.0%	28	35	25.0%	4	10	150.0%	0	0	0.0%	0	1	100.0%
Clare	0	0	0.0%	74	60	-18.9%	11	21	90.9%	0	0	0.0%	0	0	0.0%
Gladwin	0	0	0.0%	63	37	-41.3%	7	8	14.3%	0	0	0.0%	0	0	0.0%
Isabella	5	2	-60.0%	306	290	-5.2%	54	73	35.2%	1	0	-100.0%	0	0	0.0%
Osceola	0	0	0.0%	73	8	-89.0%	5	0	-100.0%	0	0	0.0%	0	0	0.0%
Roscommon	0	0	0.0%	46	45	-2.2%	13	8	-38.5%	0	0	0.0%	0	0	0.0%
Crawford	0	1	0.0%	38	26	-31.6%	3	9	200.0%	1	0	-100.0%	1	0	-100.0%
Kalkaska	2	0	-100.0%	26	35	34.6%	4	4	0.0%	3	0	-100.0%	1	0	-100.0%
Lake	0	0	0.0%	31	20	-35.5%	5	6	20.0%	0	1	0.0%	0	0	0.0%
Manistee	1	0	-100.0%	28	31	10.7%	5	5	0.0%	2	0	-100.0%	0	0	0.0%
Mason	0	0	0.0%	71	55	-22.5%	13	8	-38.5%	0	0	0.0%	0	0	0.0%
Mecosta	6	0	-100.0%	176	141	-19.9%	28	39	39.3%	0	0	0.0%	0	0	0.0%
Missaukee	0	0	0.0%	44	33	-25.0%	0	14	1400.0%	0	0	0.0%	0	0	0.0%
Newaygo	1	0	-100.0%	159	96	-39.6%	16	30	87.5%	0	1	100.0%	0	0	0.0%
Oceana	2	0	-100.0%	82	60	-26.8%	4	15	275.0%	0	0	0.0%	0	0	0.0%
Wexford	0	1	0.0%	102	79	-22.5%	11	23	109.1%	1	0	-100.0%	0	0	0.0%
Clinton	2	0	-100.0%	252	216	-14.3%	47	61	29.8%	0	1	100.0%	2	8	300.0%
Gratiot	1	0	-100.0%	130	109	-16.2%	20	39	95.0%	0	0	0.0%	0	7	700.0%
Montcalm	3	2	-33.3%	201	185	-8.0%	35	65	85.7%	0	1	100.0%	0	4	400.0%
Totals	23	6	-73.9%	1930	1561	-19.1%	285	438	53.7%	8	4	-50.0%	4	20	400.0%

County	Hepatitis B, Chronic		% change hepatitis B, chronic 2019-2020	Hepatitis C, Acute		% change hepatitis C, acute 2019-2020	Hepatitis C, Chronic		% change hepatitis C, chronic 2019-2020	Latent Tuberculosis Infection		% change latent TB 2019-2020	Norovirus		% change norovirus 2019-2020
	2019	2020		2019	2020		2019	2020		2019	2020		2019	2020	
Arenac	4	2	-50.0%	0	0	0.0%	10	10	0.0%	6	0	-100.0%	0	0	0.0%
Clare	0	1	100.0%	0	1	100.0%	13	27	107.7%	1	2	100.0%	0	0	0.0%
Gladwin	0	0	0.0%	1	0	-100.0%	18	13	-27.8%	2	1	-50.0%	1	0	-100.0%
Isabella	3	0	-100.0%	0	2	200.0%	41	34	-17.1%	8	9	12.5%	0	0	0.0%
Osceola	0	0	0.0%	0	3	300.0%	8	4	-50.0%	2	0	-100.0%	0	0	0.0%
Roscommon	0	0	0.0%	0	0	0.0%	19	21	10.5%	1	1	-100.0%	3	0	-100.0%
Crawford	0	2	200.0%	2	2	0.0%	8	3	-62.5%	1	0	-100.0%	91	0	-100.0%
Kalkaska	0	0	0.0%	0	5	500.0%	6	11	83.3%	0	0	0.0%	0	0	0.0%
Lake	0	0	0.0%	0	2	200.0%	7	3	-57.1%	0	0	0.0%	0	0	0.0%
Manistee	0	0	0.0%	0	1	100.0%	13	14	7.7%	1	0	-100.0%	0	0	0.0%
Mason	0	0	0.0%	0	2	200.0%	20	10	-50.0%	2	1	-50.0%	0	0	0.0%
Mecosta	0	0	0.0%	0	1	100.0%	13	14	7.7%	5	1	-80.0%	32	0	-100.0%
Missaukee	0	0	0.0%	0	1	100.0%	8	7	-12.5%	1	0	-100.0%	11	17	54.5%
Newaygo	0	1	100.0%	0	1	100.0%	28	16	-42.9%	5	1	-80.0%	0	0	0.0%
Oceana	0	0	0.0%	0	1	100.0%	6	7	16.7%	7	2	-71.4%	68	0	-100.0%
Wexford	0	2	200.0%	0	1	100.0%	31	19	-38.7%	2	4	100.0%	1	0	-100.0%
Clinton	8	5	-37.5%	1	14	1300.0%	20	16	-20.0%	4	2	-50.0%	0	2	200.0%
Gratiot	1	2	100.0%	0	18	1800.0%	16	26	62.5%	3	3	0.0%	5	0	-100.0%
Montcalm	4	2	-50.0%	0	23	2300.0%	37	25	-32.4%	7	10	42.9%	12	0	-100.0%
Totals	20	17	-15.0%	4	78	1850.0%	322	280	-13.0%	58	36	-37.9%	224	19	-91.5%

County	Pertussis		% change pertussis 2019-2020	Rabies: Potential Exposure & PEP		% change rabies potential exposure and PEP 2019-2020	Tuberculosis		% change TB 2019- 2020	*Total of all Reportable CD		Change in total from 2019-2020	*Total of all Reportable CD MINUS Flu-like illness and influenza		Change in total from 2019-2020 (minus flu)
	2019	2020		2019	2020		2019	2020		2019	2020		2019	2020	
Arenac	1	0	-100.0%	35	47	34.3%	1	0	-100.0%	136	305	124.3%	103	198	92.2%
Clare	0	0	0.0%	112	106	-5.4%	1	0	-100.0%	3087	2381	-22.9%	1803	944	-47.6%
Gladwin	0	0	0.0%	90	83	-7.8%	0	0	0.0%	462	422	-8.7%	227	185	-18.5%
Isabella	5	0	-100.0%	114	104	-8.8%	0	0	0.0%	4340	3825	-11.9%	2238	1338	-40.2%
Osceola	1	0	-100.0%	75	6	-92.0%	0	0	0.0%	1435	2031	41.5%	754	517	-31.4%
Roscommon	0	0	0.0%	49	43	-12.2%	0	0	0.0%	249	973	290.8%	152	182	19.7%
Crawford	0	0	0.0%	5	4	-20.0%	0	0	0.0%	777	513	-34.0%	344	120	-65.1%
Kalkaska	0	0	0.0%	2	4	100.0%	0	0	0.0%	1659	1096	-33.9%	732	365	-50.1%
Lake	1	0	-100.0%	2	2	0.0%	1	0	-100.0%	133	276	107.5%	90	73	-18.9%
Manistee	0	0	0.0%	1	2	100.0%	0	0	0.0%	2735	582	-78.7%	1646	280	-83.0%
Mason	0	0	0.0%	2	2	0.0%	0	0	0.0%	620	1190	91.9%	374	456	21.9%
Mecosta	6	0	-100.0%	47	10	-78.7%	0	0	0.0%	3718	2803	-24.6%	1820	1008	-44.6%
Missaukee	0	0	0.0%	5	1	-80.0%	0	0	0.0%	652	834	27.9%	340	204	-40.0%
Newaygo	0	0	0.0%	13	15	15.4%	1	0	-100.0%	3213	2809	-12.6%	1504	922	-38.7%
Oceana	1	0	-100.0%	19	14	-26.3%	0	1	100.0%	2760	3232	17.1%	807	1011	25.3%
Wexford	9	0	-100.0%	8	6	-25.0%	0	1	100.0%	1997	2082	4.3%	1162	608	-47.7%
Clinton	4	0	-100.0%	83	31	-62.7%	0	0	0.0%	3502	555	-84.2%	1703	468	-72.5%
Gratiot	0	0	0.0%	45	41	-8.9%	0	0	0.0%	6082	507	-91.7%	1958	291	-85.1%
Montcalm	0	0	0.0%	117	130	11.1%	0	1	100.0%	12081	2141	-82.3%	3147	838	-73.4%
Totals	28	0	-100.0%	824	651	-21.0%	4	3	-25.0%	49638	28557	-42.5%	20904	10008	-52.1%

<b>TOTAL for all 19 counties not including flu</b>	<b>20904</b>	<b>10008</b>	<b>-52.1%</b>
*Note: there are over 70 reportable diseases			

<b>MICHIGAN TOTALS NOT including flu</b>		<b>% change</b>
<b>2019</b>	<b>2020</b>	
236088	158807	-32.70%

	2016	2017	2018	2019	2020
Foodborne	5,939	5,487	5049	5741	3835
	2016	2017	2018	2019	2020
Meningitis	1649	1633	1771	1525	921
	2016	2017	2018	2019	2020
Other	109692	160231	156547	140478	63126
	2016	2017	2018	2019	2020
STD	63613	68434	70386	70563	69883
	2016	2017	2018	2019	2020
TB	310	571	2081	3044	2159
	2016	2017	2018	2019	2020
Vaccine Preventable Disease	2221	2800	2835	2717	1634
	2016	2017	2018	2019	2020
Vectorborne	296	416	368	539	985
	2016	2017	2018	2019	2020
Viral Hepatitis	13405	14182	12024	7478	12385

	2016	2017	2018	2019	2020
Flu like disease/influenza	335542	420883	426421	355369	226073



