



***District Health
Department #10***
Healthy People, Healthy Communities

2018 DATA SUPPLEMENT

2018 PUBLIC HEALTH DATA

The following supplement provides an in-depth view of the health of residents within the jurisdiction of District Health Department #10. This supplement also highlights data related to the programming and services provided to residents in our communities. These data sets are used to tell the story of each county's health status. DHD#10 continuously collects and analyzes data to identify the burden of disease and examine the overall health of the 10 county population. DHD#10 uses this data to ensure that programs and services are meeting the needs of clients and the communities served.

LEADING CAUSES OF DEATH

	DHD#10 Number of Deaths	DHD#10 Death Rate per 100,000	Michigan Death Rate per 100,000
Heart Disease	677	175.2	195.9
Cancer	658	165.4	161.1
Accidents	172	61.8	53.9
Chronic Lower Respiratory	223	56.9	44.3
Stroke	182	47.3	39.2
Alzheimer's Disease	137	36.1	34.5
Diabetes Mellitus	92	23.8	22.1
Kidney Disease	49	12.3	14.7
Pneumonia/Influenza	67	17.3	14.1
Suicide	68	27.3	13.6

MDHHS, 2017

COMMUNITY HEALTH INDICATORS

	Crawford	Kalkaska	Lake	Manistee	Mason	Mecosta	Missaukee	Newaygo	Oceana	Wexford	Michigan
Total Population ₁	13,907	17,634	12,013	24,427	29,073	43,391	14,998	48,242	26,442	33,276	9,962,311
# of Births ₂	138	180	123	210	301	414	191	539	263	374	111,507
Birth Rate per 1,000 ₂	69.8	64	79.6	65.5	67.7	46.8	81.6	68.3	62.9	67.2	59.5
# of Deaths ₂	194	201	181	352	333	428	158	534	266	350	97,532
Death Rate per 100,000 ₂	924	889.2	864.6	856.8	734.8	792.5	772.9	850.8	718	787.8	782.9
Cancer Mortality Age Adjusted Rate per 100,000 ₂	141.1	205.8	180.3	184.3	136.9	172.2	97.4	186.9	160.4	154.1	161.1
Cardiovascular Disease Mortality Age Adjusted Rate per 100,000 ₂	197	179.7	243.5	176.8	173.5	188.3	171.1	163.8	159.4	154.5	195.9
Household Income, 2013-17(median) ₄	42,666	43,431	32,309	44,882	45,524	43,470	42,370	45,645	44,382	42,793	52,668
Persons Below Poverty ₅	16.6%	17.1%	22.1%	13.5%	13.3%	20.3%	14.2%	14.4%	14.6%	13.5%	14.1%
Medicaid Paid Births ₅	65.6%	56.5%	73.9%	55.4%	48.7%	43.2%	46.0%	44.3%	60.5%	55.5%	43.5%
Teen Pregnancy Rate per 1,000 ₅	33.5	42.9	53.2	47.1	43.1	26.1	40.9	34.3	50.7	55.4	38.1
Smoked While Pregnant ₅	40.0%	34.2%	41.8%	32.6%	23.9%	27.0%	23.0%	25.6%	24.9%	31.1%	18.4%

¹US Census, est 2017; ²MDHHS, 2017; ⁴US Census, 2013-17; ⁵Michigan League for Public Policy, 2014, 15, 17

COMMUNICABLE DISEASE REPORTING

	Crawford	Kalkaska	Lake	Manistee	Mason	Mecosta	Missaukee	Newaygo	Oceana	Wexford	Total
Chlamydia	26	41	34	28	55	148	51	142	89	92	706
Hepatitis C	11	13	21	15	27	29	16	67	31	39	269
Campylobacter	2	1	3	9	7	9	4	9	7	2	53
Chickenpox	0	0	1	0	1	0	1	1	0	1	5
Salmonellosis	2	2	2	4	4	2	4	5	7	3	35
Gonorrhea	1	4	5	4	5	16	4	17	12	18	86
Streptococcal	1	3	5	1	5	10	7	6	6	6	50
Shiga Toxin E coli	0	0	0	0	0	2	4	5	1	0	12
Giardia	2	1	0	1	0	4	0	6	0	5	19
Pertussis	0	2	0	1	4	0	0	0	0	0	7
Hepatitis A	0	0	0	0	0	2	0	1	1	0	4

HEPATITIS A RESPONSE:

In August of 2016 Michigan began to experience what would become the largest Hepatitis A outbreak in the United States. It took until January 2018 before our health department began experiencing cases related to this outbreak. Two cases were confirmed in Mecosta County and one case was confirmed in Newaygo County in that month. To help reduce the possibility of further cases we provided extensive education and over 4000 doses of vaccine to our citizens in our offices and at selected venues. We have had no further cases; however, we remain very vigilant in continuing surveillance for, and follow-up of, any suspected new cases. We also continue to recommend that our citizens receive the Hepatitis A vaccine.

COMMUNICABLE DISEASE TRENDING DATA

Chlamydia continues to be our most commonly reported communicable disease. Likewise, it is the most common disease reported in our state. However, it is estimated that many cases continue to be undiagnosed and unreported.

Chronic Hepatitis C will continue to be a major health problem. We can anticipate no major reduction in the number of cases found, especially as physicians increasingly screen patients for it.

Campylobacter is our most commonly reported gastrointestinal disease. CDC estimates that it affects at least 1.3 million people a year in the US.

Salmonella illnesses continue to occur as mostly individual cases, with few outbreaks in our jurisdiction. However, we assist the Centers for Disease Control with several of our cases each year that are part of nationwide outbreaks. While considered a food borne illness, evidence shows that animal contact with certain mammals, birds, and reptiles also transmits the infection.

STEC cases fortunately remain low. However, those that occur can be severe, especially in children. This type of the E.coli germ produces a virulent toxin. During 2018 we had several cases in young children that resulted in hospitalizations for kidney failure. One case was in intensive care for ninety-seven days.

Pertussis outbreaks continue to occur, mainly in groups of unimmunized persons. Vaccination is the most effective means to prevent this disease. Adults should also receive a booster.

DISEASE	2017-2018	2016-2017	2015-2016	2014-2015
Chlamydia	706	715	767	743
Hepatitis C (chronic)	269	146	208	263
Campylobacter	53	42	47	36
Chicken Pox	5	8	4	12
Salmonellosis	35	22	24	22
Gonorrhea	86	66	58	43
Streptococcal Diseases	50	28	35	44
Shiga Toxin E coli	12	9	8	4
Giardia	19	14	18	25
Pertussis	7	9	7	74

ACCESS TO DHD#10 HEALTH SERVICES

	Crawford	Kalkaska	Lake	Manistee	Mason	Mecosta	Missaukee	Newaygo	Oceana	Wexford	Total
Maternal Infant Health Program (MIHP)											
Maternal Clients	82	47	41	69	74	143	56	228	112	135	987
#of Maternal Visits	320	203	129	246	260	496	287	762	461	651	3,815
Infant Clients	75	58	54	107	69	164	123	189	106	237	1,182
#of Infant Visits	356	286	249	728	525	854	1,021	1,050	511	1,533	7,113
Healthy Futures											
Clients	172	105	10	55	13	0	134	0	0	259	748
Children's Special Health Care Service											
#of Children	54	66	48	68	131	214	88	286	108	195	1,258
#of Services	42	32	38	63	127	100	86	357	112	181	1,138
Women, Infants, and Children (WIC)											
Average Monthly Enrollment	376	452	282	527	789	1,102	372	1,709	954	1,357	7,920
% Return Rate	95	97	97	99	98	97	90	96	97	90	956
#of PROJECT FRESH Distributed	220	270	170	280	490	550	225	1,005	565	750	4,525
Value of PROJECT FRESH coupons	5,500	6,750	4,250	7,000	12,250	13,750	5,625	25,125	14,125	18,750	11,3125
Child Lead Screening	78	63	56	71	59	170	92	219	121	219	1,148
#Dental Services (Fluoride & Oral Screenings)	173	149	100	231	348	347	189	910	332	117	2,896
#of BFPC Services	90	129	53	100	146	381	62	575	213	278	2,027
Family Planning Services											
#of Clients Served	60	86	29	128	264	113	109	135	210	345	1479
#of Services	289	448	88	647	1,181	465	578	696	1,045	1,607	7,044
WISEWOMAN Program											
#Clients	29	26	13	29	53	53	16	66	70	71	426
Cancer Screening Programs											
Breast & Cervical Screenings	24	19	6	21	40	54	17	36	85	46	348
#Cancers Found	2				2	2		1	1	2	10
Colorectal Screenings	4	6	3	12	13	6	5	8	19	9	85
# Referred for Colonoscopy	3	4	1	11	8	5	3	1	16	8	60
Dental Health - services provided in partnership with Michigan Community Dental Clinics and Dental Clinics North											
#Clinic Clients	817	1,506	490	2,495	1,820	2,528	954	816	2,001	2,640	16,067
Community Connections HUB											
# Referred											1,274
# Client Encounters											5,127

ESSENTIAL LOCAL PUBLIC HEALTH SERVICES

	Crawford	Kalkaska	Lake	Manistee	Mason	Mecosta	Missaukee	Newaygo	Oceana	Wexford	Total
Onsite Sewage											
Septic Permits	132	139	142	149	128	177	72	304	217	123	1,583
Septic Failures	2	14	34	45	51	53	8	95	71	18	391
Water Program											
Well Permits	118	146	114	127	171	265	112	349	230	135	1,767
Well Inspections	4	12	48	29	39	28	7	34	36	24	261
Food Service											
Food Operation Inspections	90	86	79	221	236	281	57	222	159	278	1,709
Temp Food Booth Inspections	10	32	28	66	88	54	26	31	128	52	515
Reported Food Borne Illness	1	0	1	3	2	3	0	5	0	3	18
Immunizations											
Vaccines Given	701	463	178	930	1,361	1,507	459	837	1,475	1,568	9,479
Influenza Vaccines Given	241	470	228	508	647	982	529	641	802	943	5,991
Communicable Disease											
TB Skin Tests Given	53	50	45	193	274	382	80	278	156	275	1,786
TB Patients on Prophylaxis	1	1	0	0	1	5	1	1	6	0	16
STI Services											
STI Clients	11	18	16	30	45	57	22	29	24	83	335
STI Clinic Services	28	45	43	72	129	163	74	101	82	239	976
Hearing Screenings											
Preschool Hearing Screenings	100	48	37	157	320	338	72	259	290	382	2,003
School Hearing Screenings	380	471	0	454	671	935	518	1,730	659	1,409	7,227
Vision Screenings											
Preschool Vision Screenings	102	59	42	191	373	409	93	280	333	431	2,313
School Vision Screenings	875	907	0	1,328	1,878	1,106	1,013	3,054	1,510	2,462	14,133

PUBLIC HEALTH PROGRAM SNAPSHOTS

ENVIRONMENTAL HEALTH SERVICES

	Crawford	Kalkaska	Lake	Manistee	Mason	Mecosta	Missaukee	Newaygo	Oceana	Wexford	Total
Radon Kits Distributed	40	32	1	64	15	90	12	27	2	10	293
Soil Evaluations	1	5	9	18	19	27	2	38	13	9	141
Mortgage Evaluations	7	5	19	0	13	28	2	128	35	15	252
Building Permit Approvals	0	14	39	7	24	55	6	71	56	4	276
Complaints (all)	14	6	24	16	26	29	8	34	15	13	185
Child Care Inspections	22	27	14	18	29	33	27	46	29	22	267
Campground Inspections	27	10	28	26	25	21	15	26	41	27	246
Swimming Pool Inspections	10	8	5	28	45	21	2	4	36	21	180
Type II Sanitary Surveys	13	5	22	10	8	50	13	30	22	21	194
Tanning Inspections	6	2	0	0	5	9	1	0	5	7	35
Animal Bites/Exposures	54	51	20	60	47	93	37	92	57	87	598

WOMEN, INFANTS, AND CHILDREN (WIC) SERVICES

	2017	2018
Average Monthly Enrollment	8,382	7,920
% Return Rate	93.2%	95.60%
# of Project Fresh Books Distributed	4,982	4,525
Value of Project Fresh Coupons	\$124,625	\$113,125
Child Lead Screening	1,265	1,148
Children who Received Fluoride Varnish	1,466	2,896



HEALTH PROMOTION SERVICES

Community Programs

Worksite Wellness Program Participants	1,294
Community Nutrition Program Participants	3,023
Tobacco Treatment Program Participants	163
National Diabetes Prevention Program Participants	21

Youth Programs

Girls on the Run Participants	300
Adolescent Health Centers Students Served (Cadillac, Mesick, Manton, Shelby, & Grayling)	
Medical Services	2,516
Behavioral Health Services	1,668

Family Health Programs

Family Planning Program Participants	1,479
Breast and Cervical Cancer Program Participants	348
Colorectal Cancer Program Participants	85
WISEWOMAN Program Participants	426

Substance Abuse Prevention Services

(Mason, Lake, Oceana, Missaukee, Wexford Counties)

Community Education—# of adults reached:	4,967
School Programs—# of students reached:	
Total number of groups:	692
Youth Summit - # of attendees:	67
Alcohol Server Training Classes—# of classes:	
Total trainers certified:	38
Active Community Coalitions: (meet average 10 times/year)	4

PERSONAL HEALTH SERVICES

Immunizations

Vaccines Administered	9,479
Influenza Vaccines Administered	5,991

Home Visiting Programs

Maternal Infant Health Program (MIHP) Healthy Futures	
MIHP Maternal Clients	987
MIHP Maternal Visits	3,815
MIHP Infant Clients	1,182
MIHP Infant Visits	7,113
Healthy Futures Clients	748
Healthy Futures Phone Calls	127
Healthy Futurs Home Visits	160

Hearing and Vision

Preschool Hearing Screenings	2,003
School Hearing Screenings	7,227
Preschool Vision Screenings	2,313
School Vision Screenings	14,133



**District Health
Department #10**
Healthy People, Healthy Communities

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