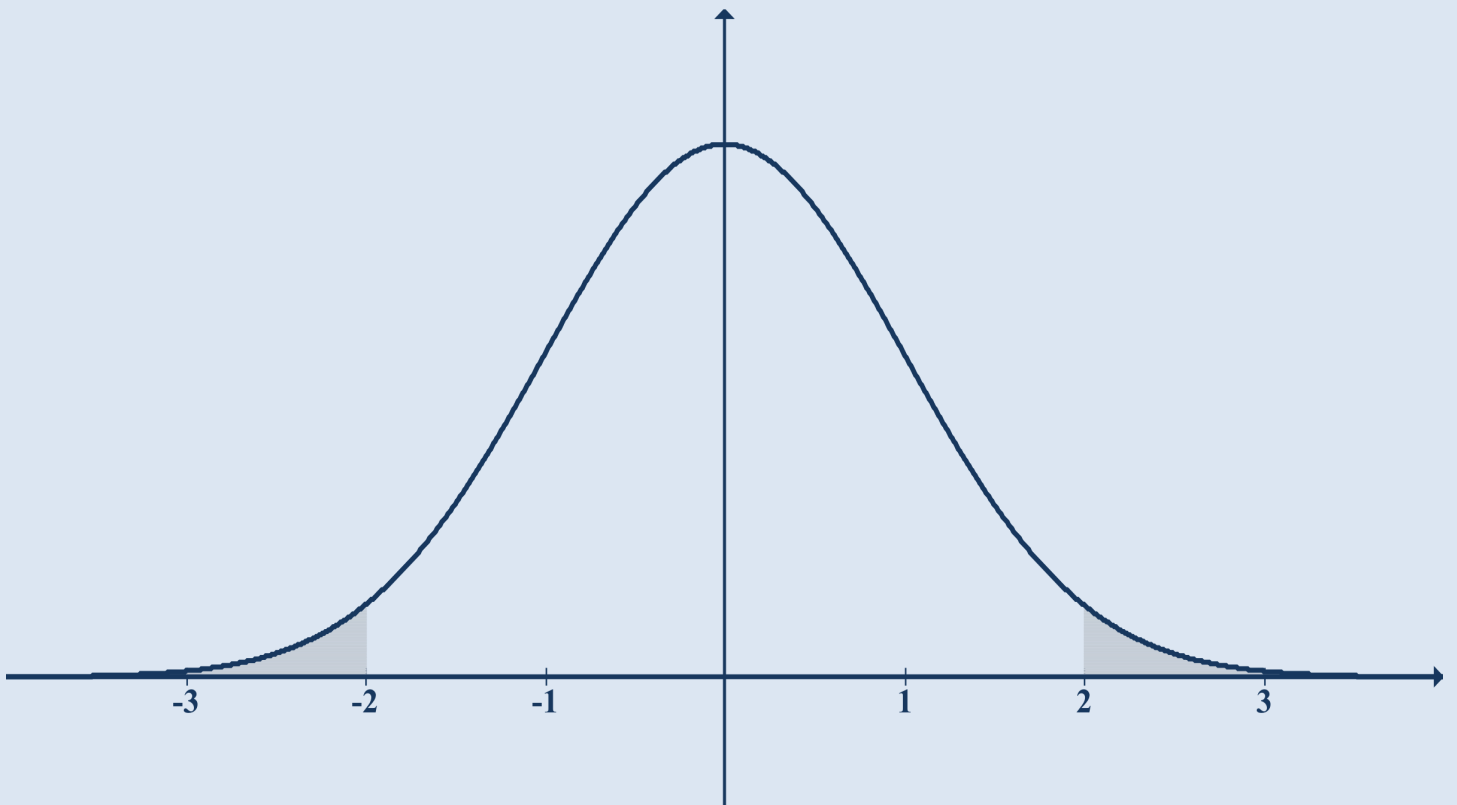




***District Health
Department #10***
Healthy People, Healthy Communities

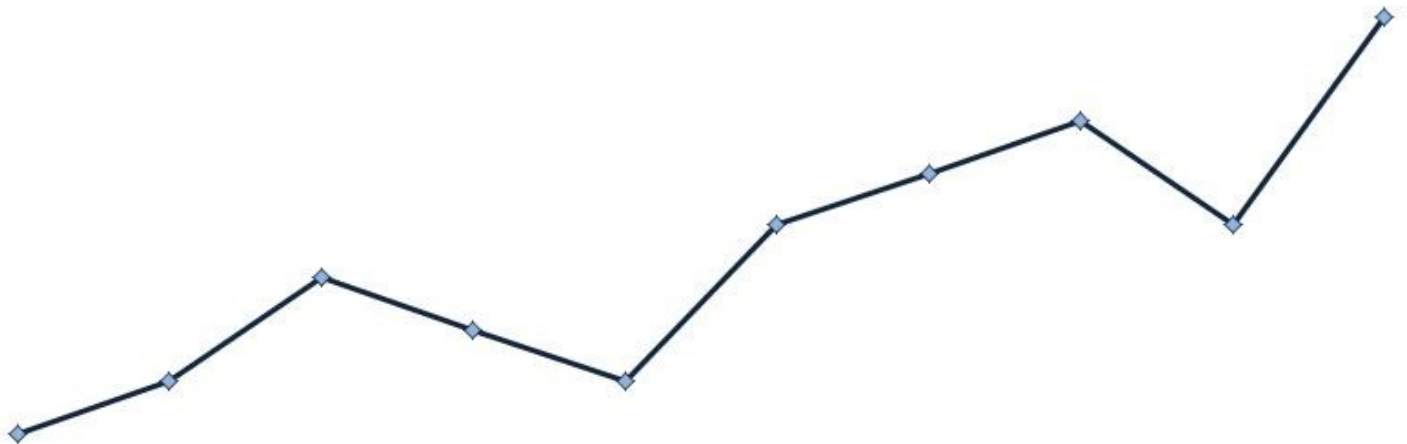
2016 | DATA SUPPLEMENT



2016 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.

More data and chart books specific to all ten counties can be found at: www.dhd10.org



LEADING CAUSES OF DEATH

	DHD#10 Number of deaths	DHD#10 Death rate per 100,000	Michigan Death rate per 100,000
Heart Disease	702	193.5	200.3
Cancer	688	182.7	173.5
Chronic Lower Respiratory	185	49.5	44.2
Stroke	129	35.3	37.8
Accidents	132	46.7	41.2
Diabetes	82	22.4	23.6
Alzheimer's Disease	112	31.1	27.0
Suicide	42	14.9	13.2
Pneumonia/Influenza	48	13.4	15.4
Kidney Disease	47	12.7	15.2

COMMUNITY HEALTH INDICATORS

	Crawford	Kalkaska	Lake	Manistee	Mason	Mecosta	Missaukee	Newaygo	Oceana	Wexford	Michigan
Total Population ¹	13,801	17,260	11,424	24,461	28,783	43,067	14,903	47,948	26,105	33,003	9,922,576
# of Births ²	120	168	87	181	310	427	196	580	299	412	114,460
Birth Rate per 1,000 ²	8.7	9.7	7.7	7.4	10.8	9.9	13.0	12.1	11.4	12.5	11.6
# of Deaths ²	171	181	162	302	334	377	182	474	268	345	93,527
Death Rate per 100,000 ²	12.4	10.4	14.3	12.4	11.6	8.7	12.1	9.9	10.2	10.5	9.4
Cancer Mortality Age Adjusted Rate per 100,000 ²	170.7	175.9	194.9	178.7	176.3	181.5	189.6	188.2	158.7	204.1	173.0
Cardiovascular Disease Mortality Age Adjusted Rate per 100,000 ³	239.9	289.2	345.7	218.4	236.0	292.2	229.7	218.4	228.5	257.0	253.0
Household Income, 2008-12(median) ⁴	\$42,666	\$39,986	\$28,872	\$40,408	\$42,156	\$40,396	\$40,983	\$42,640	\$40,969	\$40,368	\$49,087
Persons Below Poverty ⁵	16.5%	17.4%	29.2%	16.6%	16.3%	23.0%	16.1%	21.0%	20.1%	19.0%	16.2%
Medicaid Paid Births ⁵	67.5%	60.1%	70.1%	49.7%	47.1%	45.4%	53.6%	49.1%	66.6%	58.5%	42.8%
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	47.7%	41.6%	39.7%	37.4%	25.6%	31.2%	25.4%	30.5%	28.5%	33.8%	21.4%

¹US Census; ²MDHHS, 2014; ³MDHHS, 2012-2014; ⁴US Census, 2010-2014; ⁵Michigan League for Public Policy, 2014

COMMUNICABLE DISEASE REPORTING

	Crawford	Kalkaska	Lake	Manistee	Mason	Mecosta	Missaukee	Newaygo	Oceana	Wexford	Total
Chlamydia	38	51	35	62	57	144	45	145	92	98	767
Hepatitis C	10	16	10	41	12	22	10	34	14	39	208
Campylobacter	0	1	3	11	1	12	3	13	1	2	47
Chickenpox	0	0	0	2	1	0	1	0	0	0	4
Salmonellosis	0	1	0	4	0	3	3	4	5	4	24
Gonorrhea	1	5	4	6	4	8	4	12	7	7	58
Streptococcal	0	8	1	5	4	5	4	2	4	2	35
STEC	0	0	0	1	2	1	0	7	2	0	13
Giardia	0	0	0	1	0	2	2	9	2	2	18
Pertussis	0	0	0	1	1	1	0	0	0	4	7
HIV	0	0	0	0	1	1	0	1	0	1	4

ACCESS TO DHD#10 HEALTH SERVICES

	Crawford	Kalkaska	Lake	Manistee	Mason	Mecosta	Missaukee	Newaygo	Oceana	Wexford	Total
Maternal Infant Health Program (MIHP)											
Maternal Clients	120	54	52	81	107	209	88	261	146	172	1290
# of Maternal Visits	471	130	156	328	465	755	442	1019	560	782	5108
Infant Clients	85	53	51	113	114	204	116	236	128	259	1359
# of Infant Visits	335	165	160	575	650	1073	769	1297	629	1672	7324
Children's Special Health Care Service											
# of Children	51	75	42	70	94	99	65	149	129	229	1003
# of Services	95	124	120	116	214	161	107	272	343	421	1973
Women, Infants, and Children (WIC)											
Average Monthly Enrollment	395	481	338	565	856	1217	413	1886	1068	1484	8703
% Return Rate	94	98	97	97	94	94	89	97	91	88	93
# of Project Fresh Distributed	208	262	176	285	445	639	213	1032	531	738	4529
Value of PROJECT FRESH coupons	\$4160	\$5240	\$3520	\$5700	\$8900	\$12,780	\$4260	\$20,640	\$10,620	\$14,760	\$90,580
Child Lead Screening	85	61	46	78	80	180	57	281	136	258	1262
Family Planning Services											
# of Clients Served	76	103	47	162	313	103	133	162	222	315	1,636
WISEWOMAN Program											
# Served	12	15	5	22	46	20	14	32	42	45	253
Cancer Screening Programs											
Breast & Cervical Screenings	32	43	23	54	98	60	31	84	73	102	600
# Cancers Found	0	0	0	0	2	0	0	1	0	1	4
Colorectal Screenings	2	2	1	10	12	8	10	18	15	16	94
# Referred for Colonoscopy	1	1	1	6	7	1	6	10	11	14	58
Dental Health - services provided in partnership with Michigan Community Dental Clinics											
# Clinic Clients	1,680	4,259	898	4,831	4,213	5,794	1,901	1,556	4,895	5,901	35,928

ESSENTIAL LOCAL PUBLIC HEALTH SERVICES

	Crawford	Kalkaska	Lake	Manistee	Mason	Mecosta	Missaukee	Newaygo	Oceana	Wexford	Total
Onsite Sewage											
Septic Permits	104	121	116	132	153	158	60	242	197	101	1,384
Septic Failures	28	38	16	20	52	59	23	13	68	42	359
Water Program											
Well Permits	89	145	134	136	154	226	98	297	172	134	1,585
Well Inspections	9	35	30	23	42	22	4	35	39	13	252
Food Service											
Food Operation Inspections	90	86	80	219	188	284	65	146	132	248	1,538
Temp Food Booth Inspections	17	24	48	61	110	58	30	52	123	65	588
Reported Food Borne Illness	0	0	2	10	4	9	1	6	2	3	37
Immunizations											
Vaccines Given	539	423	114	834	1892	1313	494	875	1365	709	8558
Influenza Vaccines Given	290	687	218	731	1070	1089	612	812	1081	893	7483
Communicable Disease											
TB Skin Tests Given	95	58	54	192	267	267	139	220	242	205	1739
TB Patients on Prophylaxis	1	1	0	0	4	1	0	2	1	3	13
Communicable Disease Services	49	82	53	134	82	198	72	226	127	158	1181
STI Services											
STI Cases	43	57	41	68	61	152	50	159	99	103	833
STI Follow Up	41	56	40	68	61	152	50	158	99	103	828
STI Clinic Services	16	14	13	42	48	46	21	35	43	70	348
Hearing Screenings											
Preschool Hearing Screenings	69	117	88	173	416	356	226	400	447	615	2907
School Hearing Screenings	9	343	126	475	958	1118	426	1814	899	791	6959
Vision Screenings											
Preschool Vision Screenings	94	165	69	168	395	377	226	404	411	622	2931
School Vision Screenings	274	833	162	1378	1978	1928	831	3196	1543	2303	14426

PUBLIC HEALTH PROGRAM SNAPSHOTS

ENVIRONMENTAL HEALTH SERVICES

	Crawford	Kalkaska	Lake	Manistee	Mason	Mecosta	Missaukee	Newaygo	Oceana	Wexford	Total
Radon Kits Distributed	81	72	12	37	78	122	64	54	118	12	650
Soil Evaluations	1	7	3	6	9	26	2	26	6	5	91
Mortgage Evaluations	0	1	7	1	9	26	0	172	60	4	280
Building Permit Approvals	2	17	31	9	29	40	4	73	71	1	277
Complaints (all)	7	10	21	12	22	46	15	48	19	22	222
Child Care Inspections	18	13	10	15	17	23	20	33	24	36	209
Campground Inspections	27	10	28	33	30	24	12	21	36	27	248
Swimming Pool Inspections	11	6	3	19	44	11	1	9	36	16	156
Type II Sanitary Surveys	7	7	13	12	14	32	16	27	14	32	174
Tanning Inspections	3	1	0	10	5	0	2	2	6	7	36
Animal Bites/Exposures	41	26	12	40	62	104	28	70	56	90	529

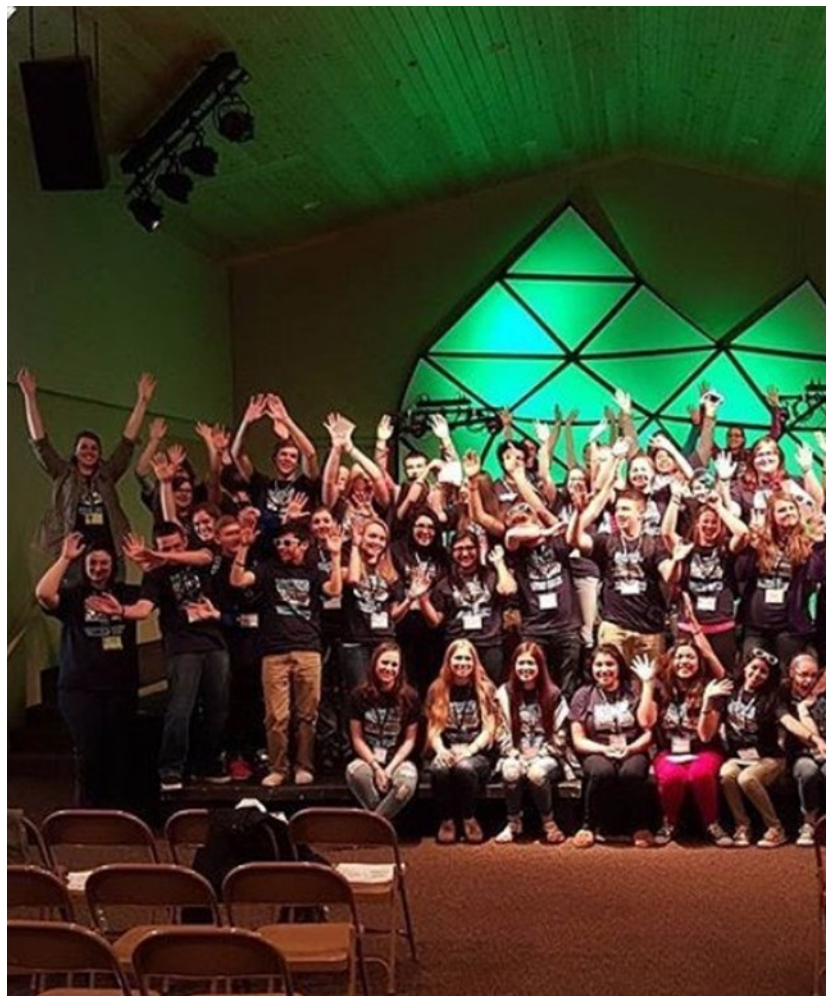
WOMEN, INFANTS, AND CHILDREN (WIC) SERVICES



	2015	2016
Average Monthly Enrollment	9,125	8,703
% Return Rate	94%	93%
# of Project Fresh Books Distributed	4324	4529
Value of Project Fresh Coupons	\$86,480	\$90,580
Child Lead Screening	1131	1262
Children who Received Fluoride Varnish	N/A	805

HEALTH PROMOTION SERVICES

Community Programs	
Worksite Wellness Screenings	294
Youth Programs	
Girls on the Run Participants	575
Adolescent Health Centers Students Served (Cadillac, Mesick, Manton, Shelby, & Grayling)	4,748
Family Health Programs	
Family Planning Participants	1,636
Breast and Cervical Cancer Screening	600
Colorectal Cancer Screening	94
WISEWOMAN Program Screening	253
Substance Abuse Prevention Services	
<i>Mason, Lake, Oceana Counties</i>	
Community Events	54
Adults Reached	4,700
School Programs	13
Youth Summit	1
Students Reached (programs + summit)	454
TiPS Alcohol Server Training Classes	12
Community Coalitions	3



PERSONAL HEALTH SERVICES



Immunizations	
Vaccines Administered	8558
Influenza Vaccines Administered	7483
Maternal Infant Health Program	
MIHP Maternal Clients	1290
MIHP Maternal Visits	5108
MIHP Infant Clients	1359
MIHP Infant Visits	7324
Hearing and Vision	
Preschool Hearing Screenings	2907
School Hearing Screenings	6959
Preschool Vision Screenings	2931
School Vision Screenings	14426



DISTRICT HEALTH DEPARTMENT #10 JURISDICTION

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MECOSTA COUNTY OFFICE 14485 Northland Drive Big Rapids, MI 49307 Phone: (231) 592-0130	MISSAUKEE COUNTY OFFICE 6180 W. Sanborn Rd. Ste. 1 Lake City, MI 49651 Phone: (231) 839-7167	NEWAYGO COUNTY OFFICE 1049 Newell Street White Cloud, MI 49349 Phone: (231) 689-7300	OCEANA COUNTY OFFICE 3986 N Oceana Drive Hart, MI 49420 Phone: (231) 873-2193	WEXFORD COUNTY OFFICE 521 Cobbs Street Cadillac, MI 49601 Phone: (231) 775-9942

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