

2016 ANNUAL REPORT

Be wise. Be well.




The Bennie T. Woodard, Jr.
**Public
Health Center**
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**SAGINAW COUNTY
DEPARTMENT OF PUBLIC HEALTH**

protecting and promoting the public's health since 1928

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Dear Citizens of Saginaw County...

On behalf of the Saginaw County Board of Commissioners, Board of Health, and Department staff, I am pleased to present this 2016 Annual Report highlighting the activities and services of your Saginaw County Department of Public Health.

In 2016 SCDPH continued to provide services to protect and promote the public's health despite challenges faced with budget concerns. These services range from environmental health inspections of restaurants, wells, and septic systems to clinical services such as family planning, immunizations, and WIC. We are able to provide well over 50 community services within 13 program areas because the passionate and committed staff within SCDPH.

The department's strategic planning committee worked throughout the year to reaffirm our mission *"to protect and promote the public's health and well-being"* and vision *"to be a valued leader, partner, and service provider building a healthy community."* From this framework we determined national benchmarks of success for which we will hold ourselves accountable. Performance indicators and measurements now serve as our guide to help fulfill our vision. This new concept called Performance Management was fully integrated into our planning process and will continue to be expanded as necessary. To view our performance measures visit the publications page at www.saginawpublichealth.org.



Public Health
Prevent. Promote. Protect.

The department also expanded use of technology through digital marketing and social media to provide safe sleep education to the public. Digital advertisements were created using targeted mobile device technology to reach Saginaw area residents. This campaign delivered over 1.4 million ads to mobile devices in Saginaw. Additionally, created facebook ads reached over 160,000 people within two months and of those reached 20,000 people were engaged in our educational efforts.

As we look forward into 2017 and beyond SCDPH is excited to engage within our community to build the necessary partnerships and seek resources to carry out our very important work to protect and promote Saginaw's health.

Sincerely,

Christina Harrington, M.P.H.
Acting Health Officer
989.758.3818
charrington@saginawcounty.com

HIGHLIGHTS 2016

The SCDPH initiated the 7th cycle of **strategic planning** for the department. Staff were involved in determining the mission, vision, values, and goals for the department moving forward. During this process new benchmarks of performance modeled after the national Public Health Accreditation Board standards were incorporated into the plan.

As a result of the **immunization waiver education** state requirements, Saginaw County ranks 5th in the State for the lowest immunization waiver rates. This year alone staff conducted 168 waiver education sessions, resulting in an overall immunization waiver rate of 1.4%. This is down 2% from the previous year.

WIC staff implemented online **nutrition education** for WIC clients allowing for convenient and timely self-paced education to maintain program compliance. This has created program efficiencies and better accommodates working adults.

The department embarked on a regional effort with Midland, Bay, and Gratiot counties to implement a **web-based mapping application** that enables Environmental Health Specialists to plot the locations of water wells, septic systems, and other physical features on existing GIS maps. This allows for timely inspections and enhances use of technology in the field.

The Laboratory collaborated with Sanilac County to develop a process for **after-hour water sample submissions**. The laboratory received over 30 samples within 4 months and performed 214 tests on those samples.

FINANCES

REVENUES

	Fiscal Year		
	2016	2015	2014
State	\$1,953,463	\$2,523,629	\$2,277,767
Federal	\$1,968,049	\$2,135,460	\$3,443,744
Local (County Appropriation)	\$1,519,046	\$1,399,357	\$1,474,142
Other Taxes (PA2 & Tobacco)	\$0	\$173,753	\$302,902
Fees & Reimbursements	\$3,601,039	\$3,871,163	\$6,365,485
Fund Balance	\$175,045	\$2,618,454	\$0
Total Revenues	\$9,216,642	\$12,721,816	\$13,864,040

EXPENDITURES

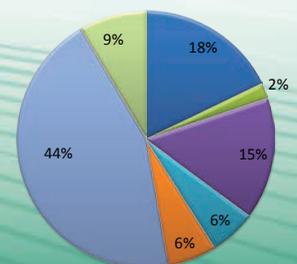
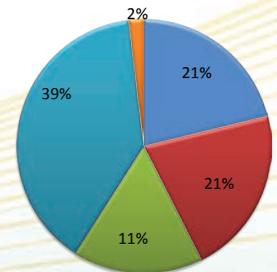
	Fiscal Year		
	2016	2015	2014
Administration	\$1,651,055	\$1,700,018	\$1,625,934
Dental	\$0	\$294,173	\$301,821
Emergency Preparedness	\$178,119	\$158,610	\$157,964
Environmental Health	\$1,413,182	\$1,444,822	\$1,416,084
Health Center Building	\$538,897	\$538,555	\$523,542
Laboratory	\$570,952	\$910,491	\$995,664
Personal & Preventive Health	\$4,087,742	\$3,647,214	\$4,533,600
Substance Abuse	\$0	\$3,326,921	\$3,509,635
WIC	\$776,695	\$701,012	\$799,796
Total Expenses	\$9,216,642	\$12,721,816	\$13,864,040

Through grant funding from the Michigan Department of Health and Human Services (MDHHS) the department was able to provide **safe sleep** training, education, and outreach to the public. Registered Nurses provided in-home safe sleep training and resources (such as pack-n-plays) to first-time pregnant moms. A new digital social marketing strategy was implemented to target safe sleep education to Saginaw residents. Targeted mobile device technology allowed for content appropriate ads to mobile devices which resulted in 1.4 million ads delivered with 3,389 safe sleep website page visits in 7 months. Facebook ads reached 167,062 people with 20,439 post engagements and 3,708 post clicks to view safe sleep education.

Environmental Health protection continues to partner with the Mid Michigan Waste Authority (MMWA) to collect **household hazardous waste and pesticides**. This year 8,369 lbs. of pesticides/herbicides, 18,965 lbs. of household hazardous waste, and 2,633 lbs. of unwanted medications were collected. In total, more than 63 tons of hazardous waste were diverted from local landfills and waterways.

SCDPH Laboratory provided sample collections, packaging and shipping for **Zika testing**. One special case involved an Atlanta resident visiting Saginaw County. Due to the small window of opportunity from exposure to when Zika is most likely detected, SCDPH worked with CDC and MDHHS to get the samples collected and sent.

The Laboratory's random **drug screening ColorCode program** continues to serve as a value not only to the Court system but also to individuals. A client, who had past history of drug use, was fighting for custody of her child. She came into the lab to have herself drug tested and became aware of the ColorCODE program. She voluntarily enrolled into the program and after 12 months of testing, she shared the results with her lawyer and Friend of the Court to regain custody of her child.





PROGRAMS & SERVICES

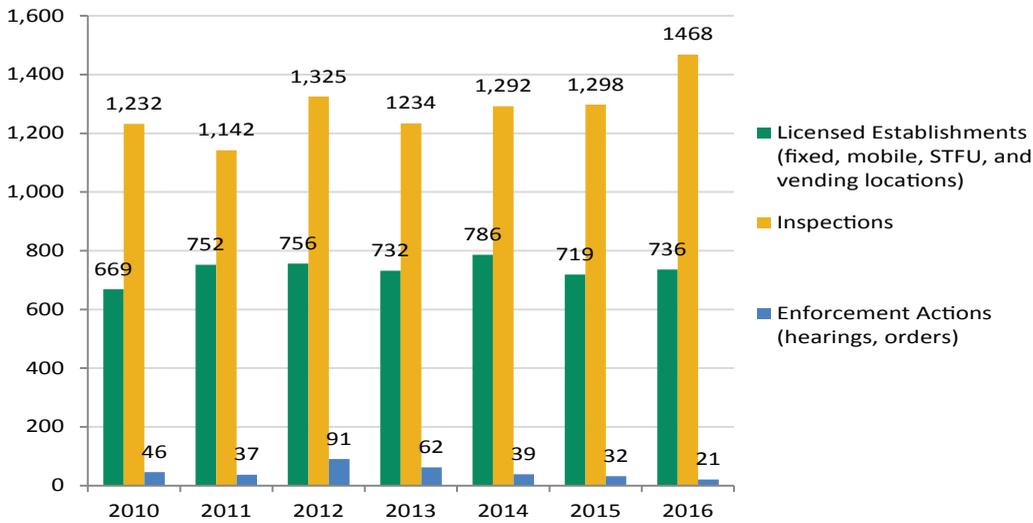
Environmental Health Services inspects and assures the safety of a variety of public places from restaurant and swimming pools to private wells and septic systems. Specialized services include household hazardous waste collections, pest control, and other disease prevention activities.

	Fiscal Year		
	2016	2015	2014
Food Service Program			
Licensed Establishments (fixed, mobile, STFU, and vending locations)	736	719	786
Inspections	1,468	1,298	1,292
Enforcement Actions (hearings, orders)	21	32	39
Temporary Food Licenses	420	425	443
Waste Program			
Sewage System Permits Issued (residential and commercial)	165	168	151
Evaluations (performance/mortgage/preliminary)	26	30	34
Landfill Inspections	43	56	31
Clean Sweep Collections (lbs. collected)	8,396	10,600	8,771
Mercury Collections (lbs. collected)	744	392	3
Household Special Waste Collections (lbs. collected)	18,965	80,283	19,448
Electronic Waste Collections (lbs. collected)	0	0	0
Pharmaceutical Collections (lbs. collected)	2,633	2,885	2,294
Water Program			
Residential Well Permits Issued	111	127	105
Number of Abandoned Wells Plugged	59	65	46
Public Swimming Pool & Spa Inspections	98	149	78
Shelter & Indoor Air Quality			
Day Care & Adult Foster Care Inspections	54	47	57
Radon Kits Distributed	251	304	816
Elevated Blood Lead Level Investigations	0	1	5
Education			
Participants (septic installers, food handlers, temporary food vendors)	169	125	143
Complaint Investigations			
Total Complaints Received	180	220	546

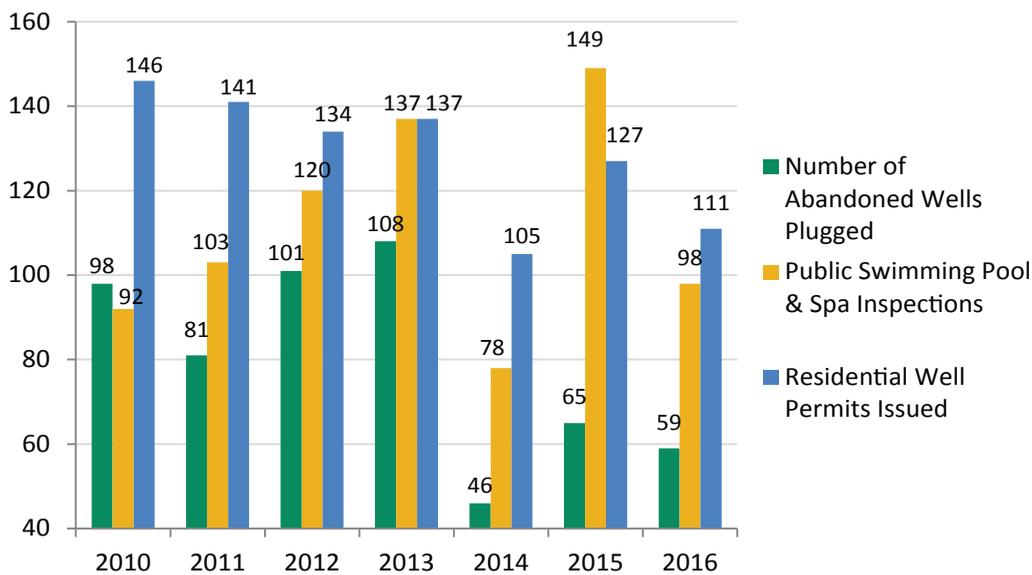
Laboratory Services performs a variety of tests for water quality, urine drug screening and sexually transmitted infections.

	Fiscal Year		
	2016	2015	2014
Tests Performed			
Microbiology	1,706	14,585	17,528
Serology	1,374	1,753	1,541
Water	13,953	14,704	13,949
Drugs of Abuse	5,993	20,883	30,507

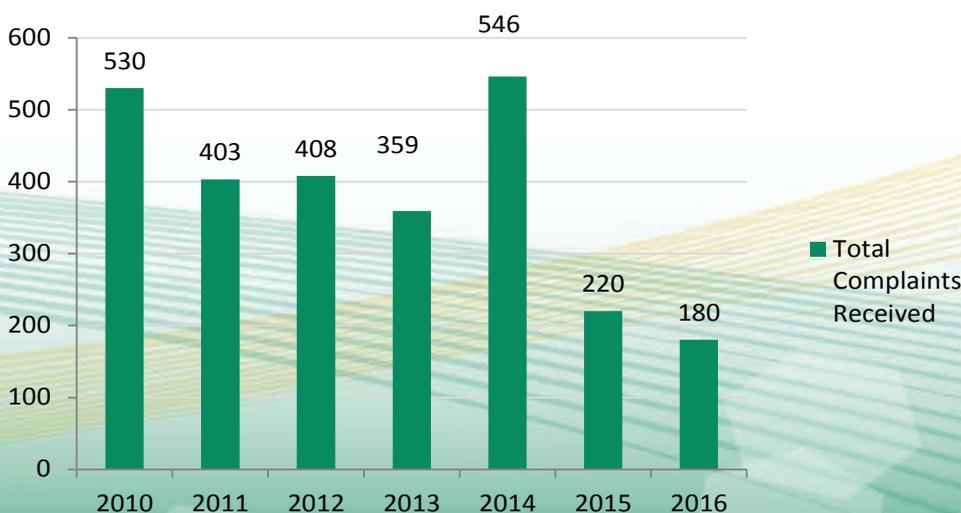
Environmental Health Food Service Program, FY2010-2016



Environmental Health Water Program, FY2010-2016



Environmental Health Complaint Investigations, FY2010-2016





PROGRAMS & SERVICES

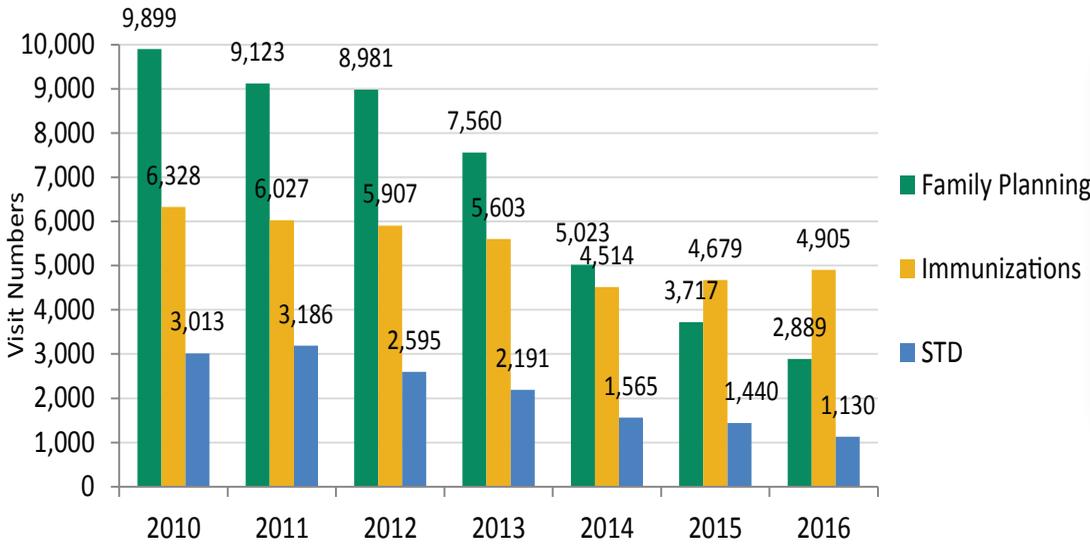
Personal and Preventive Health Services provides a wide array of newborn, child, and adult health care services. These include health screenings, communicable disease control, family planning, immunizations, hearing and vision screening, nutrition education and counseling, and many other specialized health services for Saginaw County residents.

	Fiscal Year		
	2016	2015	2014
Immunization Program			
Number of Clinic Visits	4,905	4,679	4,514
Immunizations Administered	8,153	8,121	7,886
County Immunization Coverage Level (children 19-36 months of age)	74%	75%	75%
Family Planning Program			
Number of Clinic Visits	2,889	3,717	5,023
STD/HIV Program			
Number of Clinic Visits (excluding HIV)	1,130	1,440	1,565
Number of HIV Tests Performed	878	947	882
Hearing and Vision Program			
Number of Children Screened for Hearing	11,778	12,017	12,680
Number of Children Screened for Vision	11,677	11,894	12,177
Nurse-Family Partnership Program			
Number of Visits	1,164	1,077	908
Communicable Disease Program			
Number of TB Tests Completed	1,132	1,276	1,184
Children's Special Health Care Program			
Average Monthly Enrollment	654	677	694
Women Infants & Children (WIC) Supplemental Nutrition Program			
Average Monthly Enrollment	4,518	4,822	4,948

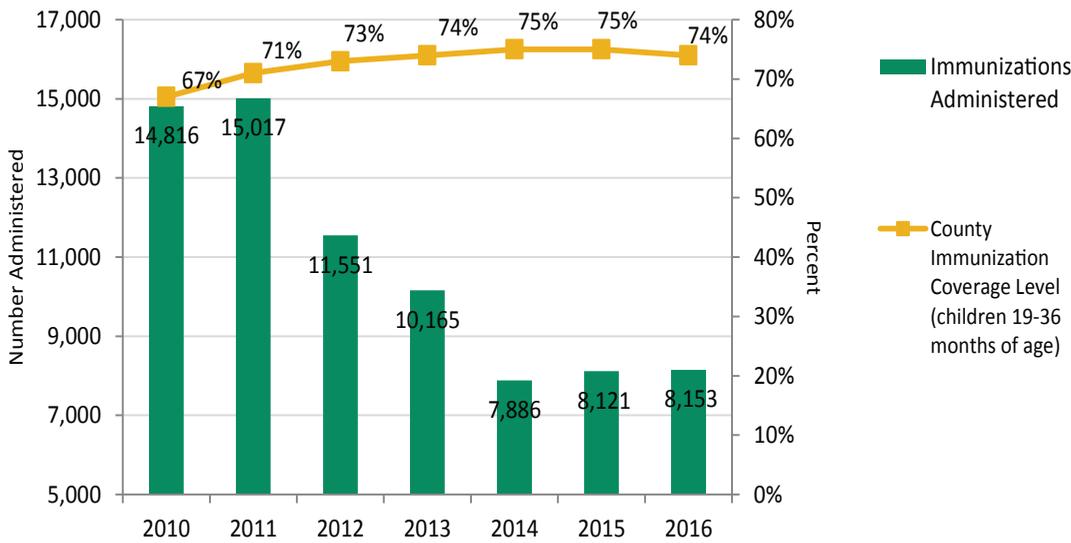
Health Promotion and Communications manages the Department's public information, marketing, and public relations efforts, and coordinates emergency preparedness planning and response.

	Fiscal Year		
	2016	2015	2014
Health Education Outreach Events	18	13	41
Number of People Served	3,497	12,220	11,420
Educational Literature Distributed	5,428	2,242	7,474

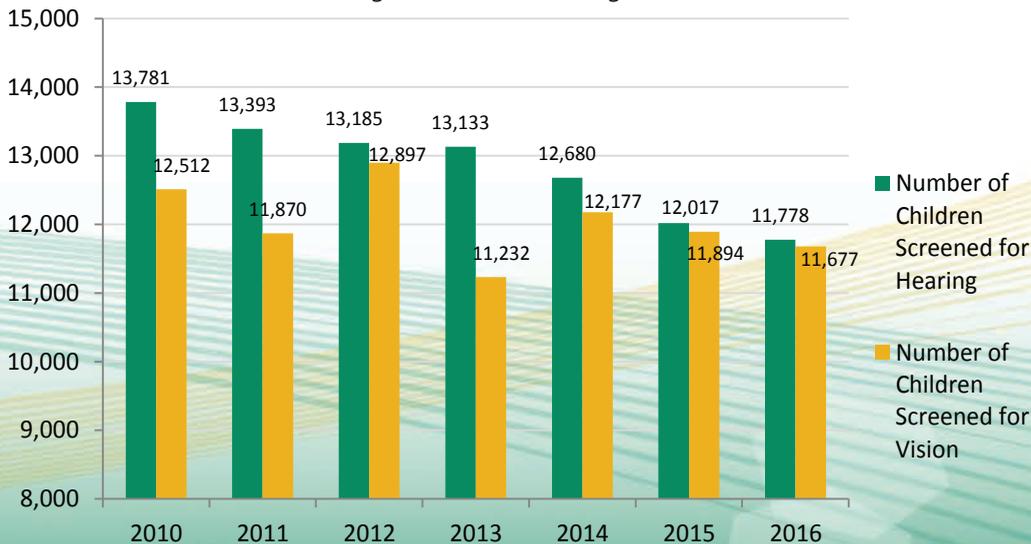
Clinic Visits, FY2010-2016



Immunizations Administered, FY2010-2016



Hearing and Vision Screenings, FY2010-2016

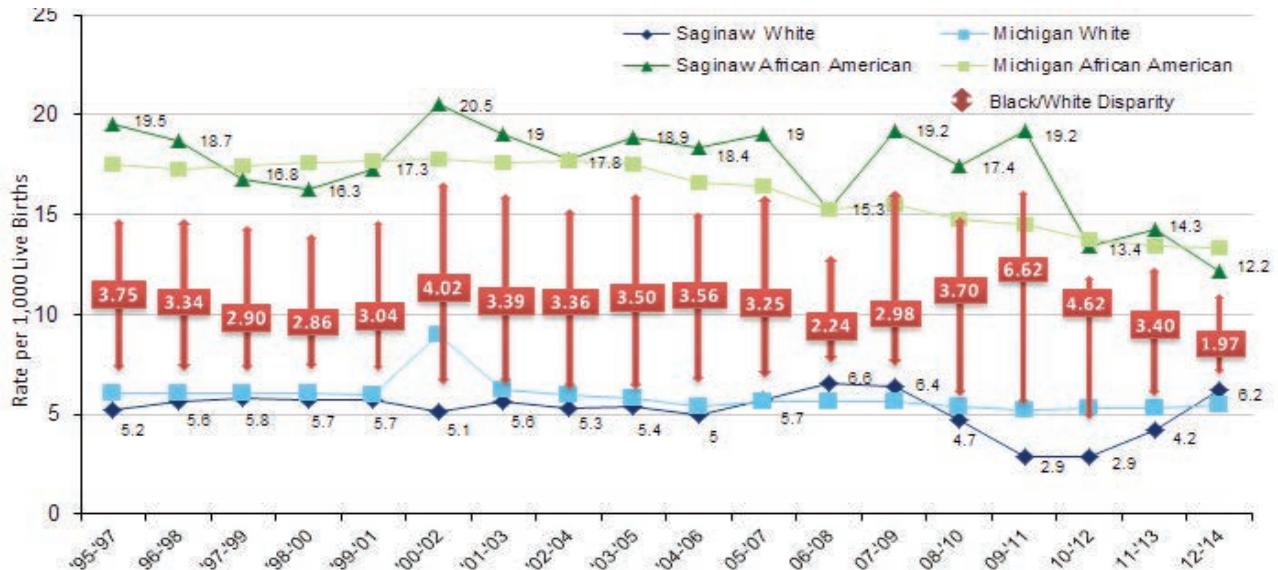


COMMUNITY HEALTH IMPROVEMENT PLAN PRIORITIES

SELECTED INDICATORS

INFANT MORTALITY

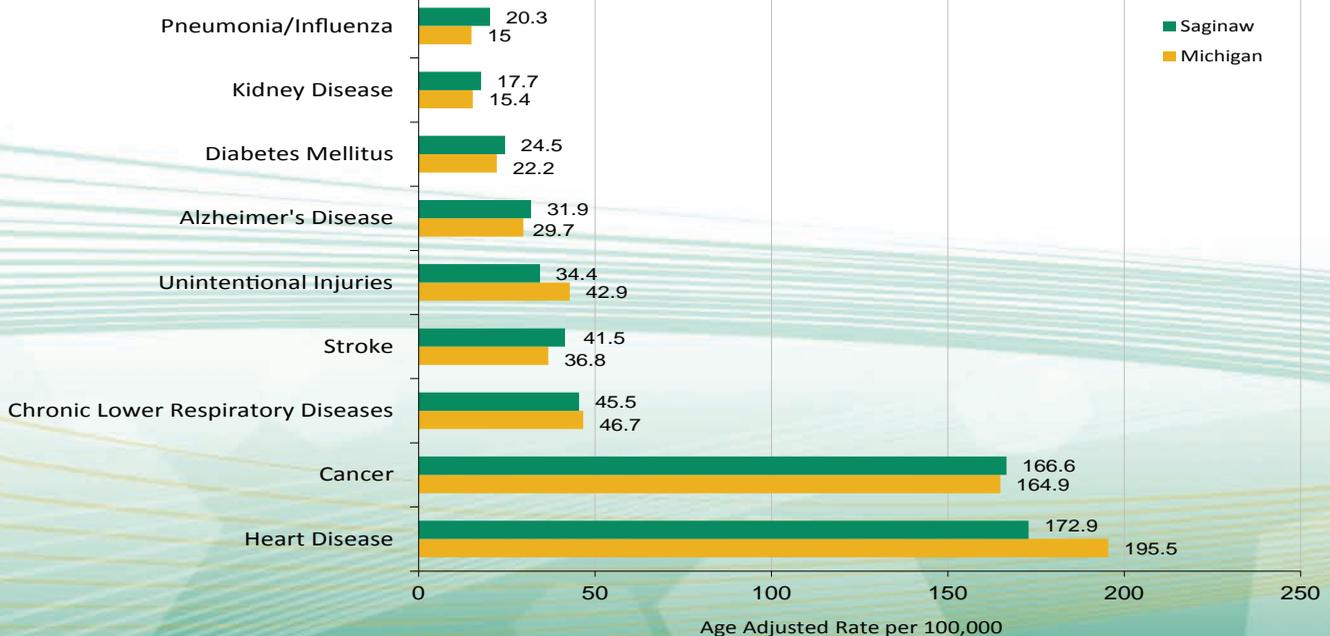
Three-Year Moving Average Infant Mortality Rates by Race, 1995-2014



Source: 2002-2011 Geocoded Michigan Death Certificate Registries; 2013-2014 Michigan Death Certificate Registries. 2002-2014 Geocoded Michigan Birth Certificates Registries, Division of Vital Records & Health Statistics, Michigan Department of Health & Human Services

CHRONIC DISEASES

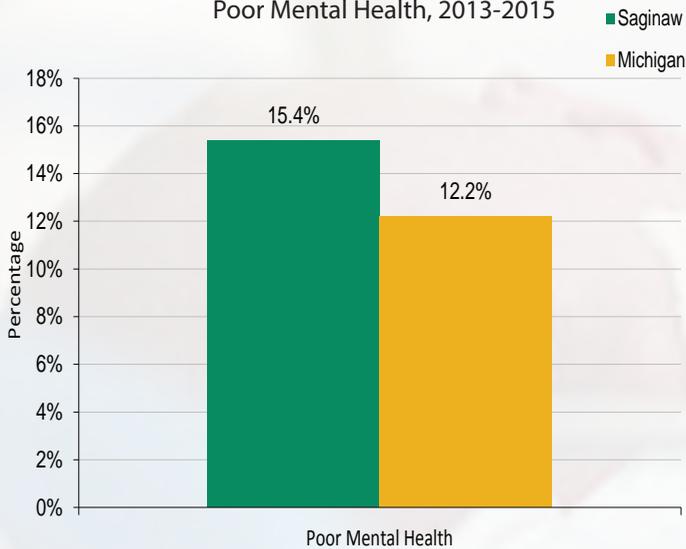
Leading Causes of Death, 2015



Source: 2015 Michigan Death Certificate Registry. Division of Vital Records & Health Statistics, Michigan Department of Health & Human Services

BEHAVIORAL HEALTH

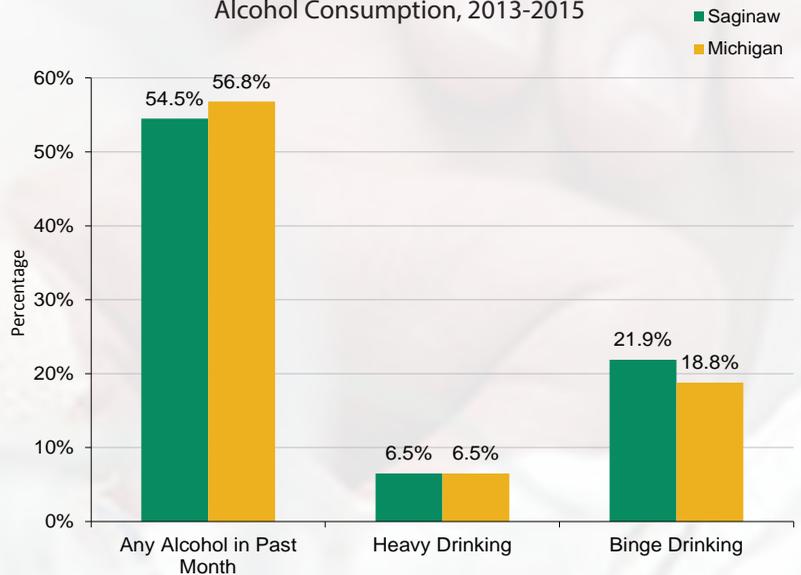
Poor Mental Health, 2013-2015



Description: The proportion of adults who reported 14 or more days, out of the previous 30, on which their mental health was not good, which includes stress, depression, and problems with emotions.

Source: 2013-2015 Michigan Behavioral Risk Factor Survey Regional & Local Health Department Estimates

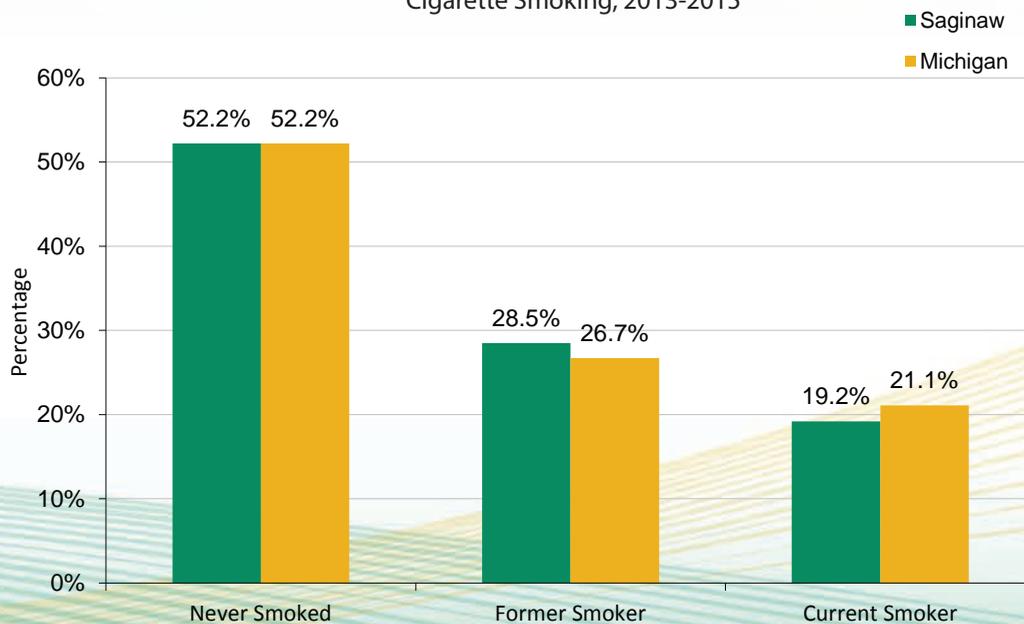
Alcohol Consumption, 2013-2015



Description: Binge (consuming 4 (women) or 5 (men) alcoholic beverages on a single occasion in the past 30 days) plus heavy (drinking more than one (women) or 2 (men) drinks per day on average) drinking

Source: 2013-2015 Michigan Behavioral Risk Factor Survey Regional & Local Health Department Estimates

Cigarette Smoking, 2013-2015

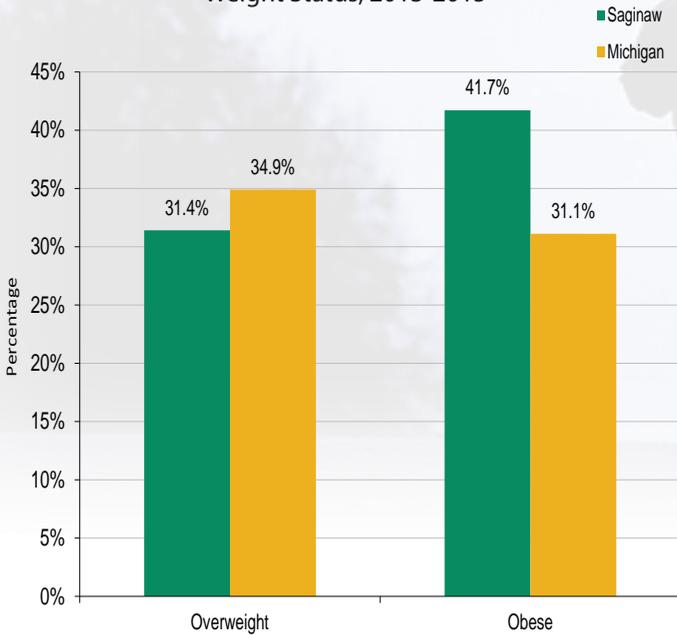


Description: Current Smoker = the proportion of adults who reported that they had ever smoked at least 100 cigarettes in their life and that they smoke cigarettes now, either every day or on some days. Former Smoker = the proportion of adults who reported that they had ever smoked at least 100 cigarettes in their life, but they do not smoke cigarettes now.

Source: 2013-2015 Michigan Behavioral Risk Factor Survey Regional & Local Health Department Estimates

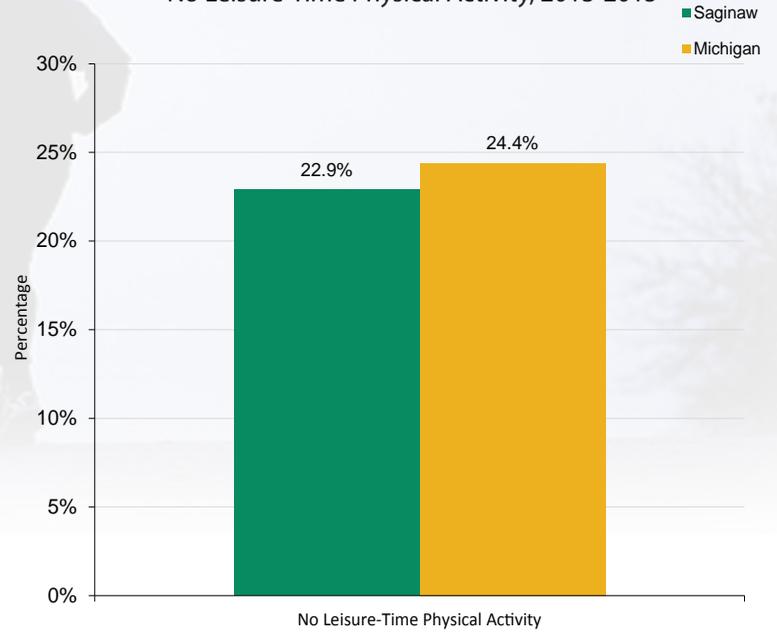
OBESITY

Weight Status, 2013-2015



Description: Overweight = the proportion of adults whose Body Mass Index (BMI) ≥ 25 , but < 30 . Obese = the proportion of adults whose BMI ≥ 30 .
 Source: 2013-2015 Michigan Behavioral Risk Factor Survey Regional & Local Health Department Estimates

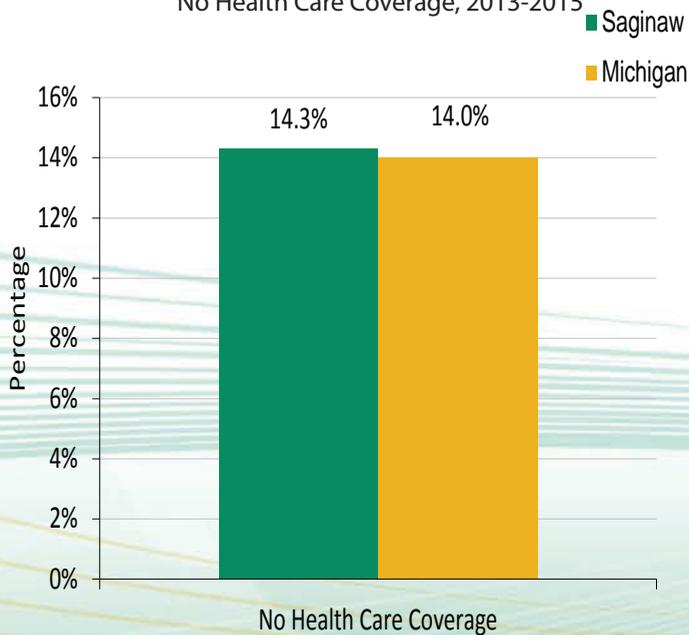
No Leisure-Time Physical Activity, 2013-2015



Description: No Leisure-Time Physical Activity = the proportion of adults who reported no participation in any leisure-time physical activities or exercise during the past month.
 Source: 2013-2015 Michigan Behavioral Risk Factor Survey Regional & Local Health Department Estimates

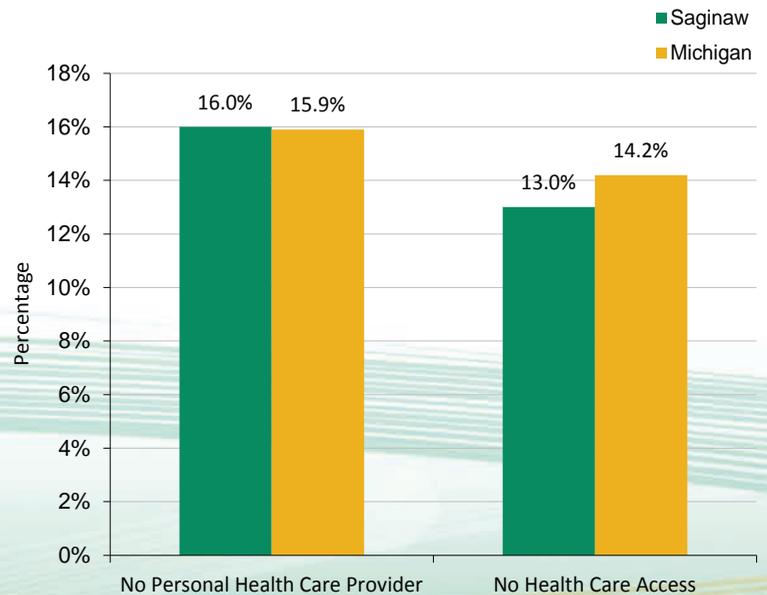
EMERGING MODELS OF HEALTH SERVICES DELIVERY

No Health Care Coverage, 2013-2015



Description: Among adults aged 18-64 years, the proportion who reported no health care coverage, including health insurance.
 Source: 2013-2015 Michigan Behavioral Risk Factor Survey Regional & Local Health Department Estimates

Health Care Access, 2013-2015



Description: The proportion of adults who reported no personal doctor or health care provider, and the proportion of adults who reported in the past 12 months a time when they needed to see a doctor but could not due to cost.
 Source: 2013-2015 Michigan Behavioral Risk Factor Survey Regional & Local Health Department Estimates

REPORTABLE DISEASES IN SAGINAW COUNTY

Disease Group	Disease	2016	2015	2014	2013	2012
AIDS/HIV	AIDS, Aggregate	0	0	2	14	8
AIDS/HIV	AIDS/HIV Subtotal	0	0	2	14	8
Foodborne	Campylobacter	18	12	10	11	8
Foodborne	Cryptosporidiosis	13	8	4	9	10
Foodborne	Giardiasis	4	4	12	8	11
Foodborne	Listeriosis	1	1	0	0	0
Foodborne	Norovirus	45	62	4	3	0
Foodborne	Salmonellosis	20	16	16	15	17
Foodborne	Shiga toxin-producing Escherichia coli --(STEC)	0	3	2	3	30
Foodborne	Shigellosis	54	6	12	1	0
Foodborne	Foodborne Subtotal	155	112	60	50	76
Influenza	Flu Like Disease*	5,940	6,342	8,134	11,319	11,843
Influenza	Influenza	608	52	71	319	132
Influenza	Influenza Subtotal	6,548	6,394	8,205	11,638	11,975
Meningitis	Meningitis - Aseptic	21	19	7	17	7
Meningitis	Meningitis - Bacterial Other	2	6	5	1	3
Meningitis	Streptococcus pneumoniae	24	24	9	8	3
Meningitis	Meningitis Subtotal	47	49	21	26	13
Other	Coccidioidomycosis	2	3	0	0	0
Other	Gastrointestinal Illness*	4,064	3,617	1,481	4,732	5,532
Other	Guillain-Barre Syndrome	1	1	0	0	2
Other	Head Lice*	239	254	172	496	539
Other	Histoplasmosis	9	13	4	1	6
Other	Kawasaki	1	2	1	0	0
Other	Legionellosis	7	7	11	7	4
Other	Psittacosis	1	0	0	0	0
Other	Q Fever Chronic	1	0	0	0	0
Other	Strep Throat*	14	359	462	1,119	1,639
Other	Streptococcus pneumoniae, Drug Resistant	0	0	0	5	1
Other	Unusual Outbreak or Occurrence	1	11	7	2	1
Other	Other Subtotal	4,340	4,267	2,138	6,362	7,729
Rabies	Animal Bite	167	110	84	35	59
Rabies	Animal	1	0	0	0	0
Rabies	Rabies Subtotal	168	110	84	35	59
STD	Chlamydia (Genital)	1,085	1,276	1,211	1,181	1,239
STD	Gonorrhea	394	364	335	269	251
STD	Syphilis - All Forms	5	7	7	11	9
STD	STD Subtotal	1,484	1,647	1,553	1,461	1,499
Tuberculosis	Mycobacterium - Other	4	7	6	2	9
Tuberculosis	Tuberculosis	4	3	0	1	1
Tuberculosis	Tuberculosis Subtotal	8	10	6	3	10
VPD	Chickenpox (Varicella)	1	1	0	3	0
VPD	Pertussis	0	4	3	1	0
VPD	Shingles	7	10	8	1	0
VPD	Varicella-Zoster Infection, Unspecified	0	0	8	1	7
VPD	Vaccine Preventive Disease Subtotal	8	15	19	6	7
Vectorborne	Dengue Fever	0	1	1	0	0
Vectorborne	Lyme Disease	1	0	0	0	0
Vectorborne	Malaria	1	0	0	0	0
Vectorborne	Vectorborne Subtotal	2	1	1	0	0
Viral Hepatitis	Hepatitis A	3	3	1	1	3
Viral Hepatitis	Hepatitis B, Acute	0	0	0	0	6
Viral Hepatitis	Hepatitis B, Chronic	14	16	13	20	25
Viral Hepatitis	Hepatitis C, Chronic	116	87	145	143	136
Viral Hepatitis	Viral Hepatitis Subtotal	133	106	159	164	170

* denotes there has been change in reporting criteria for this disease

Source: Michigan Disease Surveillance System (MDSS), Report 4: 5 Year History



www.SaginawPublicHealth.org

Christina A. Harrington, M.P.H. - Acting Health Officer

Russell L. Bush, M.D., M.P.H. - Medical Director

Mission/Vision

MISSION

To protect and promote the public's health and well-being

VISION

To be a valued leader, partner, and service provider building a healthy community

GOALS

We will provide excellent customer service.

We will promote awareness of public health issues and the services provided by SCDPH.

We will seek resources to support agency infrastructure, programs, and interventions.

We will assure a competent and valued public health workforce.

We will provide assessment, assurance, and policy development to meet the public health needs of our community.

We will actively engage in community partnerships to identify and address community health needs.

VALUES

Accountability

Dedication

Diversity

Excellence

Integrity

Respect

Teamwork

Locations

SAGINAW

Bennie T. Woodard, Jr. Public Health Center

1600 N. Michigan Avenue

Saginaw, MI 48602

989.758.3800

BIRCH RUN

Edward McNamara Health Center

8425 Main Street

Birch Run, MI 48415

989.624.9664

CHESANING

Rehmann Health Center

147 S. Saginaw Street

Chesaning, MI 48616

989.845.3911

FRANKENMUTH

Covenant HealthCare Building

600 N. Main Street

Frankenmuth, MI 48734

989.758.3840

HEMLOCK

Covenant HealthCare Building

16440 Gratiot Road

Hemlock, MI 48624

989.758.3840

ST. CHARLES

St. Charles Health Center

120 N. Vine Street

St. Charles, MI 48655

989.865.9400

