

2017 Annual Statistical Report





DEDICATED to

Creating Healthy Communities

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Mission Statement

Working together to create and promote a healthy community through disease prevention and control, health education, environmental protection, and emergency preparedness.

Jackson County Commissioners

James E. Shotwell, Jr., Chair
Philip S. Duckham III, Vice-Chair

Sarah Lightner	John Polaczyk
Rodney Walz	Allan Tompkins
Carl Rice, Jr.	David Elwell
Daniel Mahoney	

Human Services Committee

Carl Rice, Jr., Chair
John Polaczyk, Vice-Chair
Allan Tompkins
Rodney Walz
Daniel Mahoney

Jackson County Administration

Mike Overton – Administrator/Controller
Debra Kubitskey – Assistant Administrator

Jackson County Health Department Administration

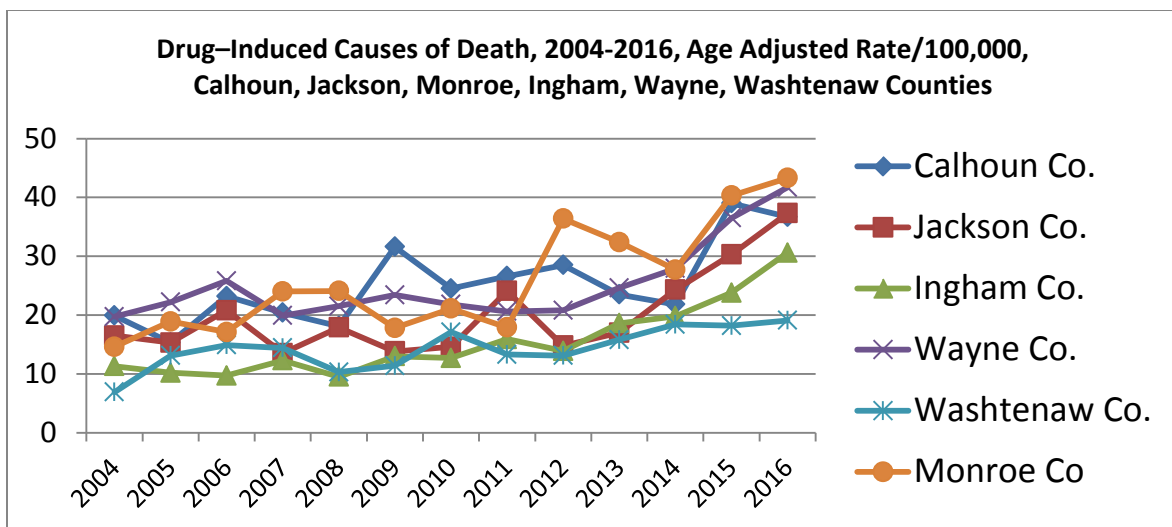
Richard Thoune, Health Officer
Dr. Mike Foust, Co- Medical Director
Dr. Amy Schultz, Co-Medical Director
Dr. Courtland Keteyian, Co-Medical Director
Michelle White, Director of Health Education and Health Promotion
Angela Aldrich, Director of Personal and Preventative Health Services
Don Hayduk, Director of Environmental Health
Stephanie Baker, Emergency Preparedness Coordinator



Public Health, Health Care Integration, and Collaboration

This section was a new addition to our annual report in 2014. The efforts support many public health goals and objectives as well as the triple aim of enhancing the patient experience of care, reducing health care costs, and improving population health. Achieving the triple aim is central to health care system transformation and the movement toward a community health integrated system 3.0. The 2017 report goes beyond our health care integration efforts with local partners and describes many of our other collaborative activities.

- Accountable Health Communities Grant Opportunity.** In 2016, the Centers for Medicare & Medicaid Services (CMS) innovation center announced an Accountable Health Communities (AHC) model to address a critical gap between clinical care and community services in the current delivery system. The AHC model would test whether increased awareness of and access to services addressing health-related social needs can impact total health care costs and improve health and quality of care for Medicare and Medicaid beneficiaries in targeted communities. Although our local AHC core group decided in April 2016 not to continue to pursue the grant opportunity due to the level of prescriptiveness of the grant and the lack of opportunity for us to develop processes that would work locally within the stated framework and timeline, the Assessment of Program Duplication Summary Report was completed in January 2017 and has helped support State Innovation Model test efforts of our Jackson County region.
- Drug-Induced Causes of Death.** In March 2017, JCHD began to extract and track data related to the growing problem of drug overdose deaths in Jackson County. The data below come from CDC’s data bases at the federal level and include drug-induced deaths that involve accidental or intentional use of narcotics, hallucinogens, biological substances or other unspecified drugs. The data would include opioid overdose related deaths. The data suggest that of these 6 counties, Jackson ranks 4th in the age adjusted mortality rate/100,000 population.



- **Task Force on Heroin and Rx Abuse Data Collection Committee.** JCHD collaborated with numerous local partners to convene a Task Force on Heroin and Prescription Drug Abuse Data Collection Committee to help combat Jackson's heroin and prescription drug abuse crisis. The goal of the committee was to develop a data collection format, create a report or document that could be presented at the next scheduled Task Force event in December 2017 and provide a template for future reports to be generated. While national and state statistics are astounding, *we realize our work is first here in Jackson County*. In order to make the greatest impact, the community needed a better understanding of what is happening locally.
- **Lead-Based Paint Hazard Control Grant Program.** JCHD staff began meeting with city staff in February to discuss a new grant opportunity that the city intended to apply for through the U.S. Department of Housing and Urban Development. The grant focus is similar to one the city received in October 2005, and focused on creation and implementation of programs to make homes lead safe. It included funds to identify and control lead-based paint hazards in eligible privately owned or owner-occupied housing populations, and Healthy Homes Supplemental funds for use in addressing asthma triggers in units where lead hazard control work funds are used. JCHD continues to offer lead outreach and education to affected families whose children are identified with elevated lead levels, nursing education visits, lead testing of children through the WIC clinic, and identification of homes where children have been identified with elevated lead levels. The city received a \$2.5M award in 2017.
- **Vapor Intrusion Response Committee.** JCHD's EH Director, Don Hayduk, agreed to serve as co-chair of this Michigan Association of Local Environmental Health Administrators committee with 8 other local health jurisdictions and the Michigan Department of Environmental Quality. The committee intended to establish and document roles, responsibilities, and expectations and to create a generic Best Practice/Guidance Template for Vapor Intrusion Response Activities. Jackson County has experienced two volatile organic vapor intrusion events involving dry cleaning chemicals thus far. Other counties have also experienced these investigative events that can affect human health in residential settings when chemicals migrate through the ground and subsurface ground water and can enter the living environment through small cracks and openings in basement floors.

- **Blood Lead Messaging Pilot Project.** MDHHS approached JCHD in 2017 to assess our interest in being a pilot county for blood lead messaging through the electronic medical record HL7 messaging function. MDHHS is moving forward with the Outbound portion of the HL7 project which involves sending weekly lead report messaging to the Local Health Departments. While the testing was planned to begin by the end of March and move into test messages in April, it got delayed due to staffing changeovers and the transitioning process of HFAH moving from the current NextGen EMR to EPIC. Benefits:
 - The LHD would receive all the Blood Lead results that the state receives for our jurisdiction.
 - We would receive results in near real-time, having them in less than a minute after sent.
 - Would be received in a structured data format that the EHR should be familiar with.
 - Once received, rules and work flows can be setup based off the data. For example, alerting follow-up staff of any new abnormal results.

- **Social Determinants of Health Screening Pilot Participation.** JCHD has agreed to be one of at least four local agencies who have volunteered to participate in a pilot of the SDOH screening tool being developed into the local social services navigation platform of the SIM project in Jackson. Our Maternal and Infant Health Program staff routinely assess for many of the social determinants of health and are the best fit for participation in this pilot. If successful, we anticipate that screening would be expanded and implemented across a wider array of public health services.

Environmental Health Services

The science and practice of Environmental Health, as conducted by Division staff, provides protection from environmental factors that may adversely impact human health and helps to maintain the ecological balances essential to long-term environmental quality. It is the responsibility of the Environmental Health Division to ensure the relationship between the public and the environment remains positive and healthy. We enforce State and local regulations to protect the citizens of Jackson County from potentially hazardous environmental conditions. We are a resource to the community by providing services through the following programs: Onsite Sewage and Water, Department of Health and Human Services Housing Inspections, Groundwater Contamination Sampling and Investigations, Non-Community Water Supply Assessments, Food Service Establishment Inspections, Restaurant Plan Review, Public Campground Inspections, Household Hazardous Waste referral, Radon/Indoor Air Quality Education, Public Swimming Pool Inspections, Subdivision/Site Condominium Review, Soil Erosion and Sedimentation Control Permitting, and other investigative related services.

2017 in Review

- Building activity in Jackson County continues to increase year over year as permits for Sewage Disposal jumped by 45 permits and well permits increased by 50.
- The Food Program continued the employee education outreach program by providing monthly Basics of Food Safety classes for free to local restaurant employees.
- Four Division staff attended the National Environmental Health Association's Annual Education Conference held in Grand Rapids, Michigan. Attendees were able to experience a national perspective on Environmental Health topics due to the unusual Michigan location of this National Conference.

Environmental Health Statistics			
	2015	2016	2017
Food Service Licenses Issued	534	528	467
*Restaurant Inspections	1,044	825	758
Restaurant Plan Reviews	27	22	26
Temporary Food Licenses Issued	84	84	95
Food Service Complaints Investigated	96	99	78
MI Department of Human Services Inspections	64	89	82
Sewage Disposal Permits Issued	216	200	245
Sewage Disposal Inspections	204	188	198
Water Well Permits Issued	234	231	281
Wells Abandoned	49	111	116
Non-Community Water Supplies (Monitored Quarterly)	217	215	213
Soil Erosion & Sedimentation Control Permits Issued	119	93	97
Campground Inspections	28	29	27
Swimming Pool Inspections	55	55	51

*Includes fixed food establishments, vending thru 2016, special transitory food units, and follow-up inspections.

Personal and Preventative Health Services

The Personal and Preventative Health Services (PPHS) Division works to improve the health and well-being of Jackson County residents by providing a variety of direct services to the community. Services within the PPHS division include the: Maternal Infant Health Program, Early On Part C, Fetal Infant Mortality Review, Children's Special Health Care Services, Sexually Transmitted Disease Clinic, HIV/AIDS Counseling, Communicable Disease Program, Lead Nursing Case Management, Immunization Clinic and the Immunization Action Plan. Primary goals of the clinical services include: preventing and reducing the transmission of communicable disease, protecting the community against vaccine preventable disease through the administration of vaccines, and decreasing the spread of HIV/STDs through the process of testing, treatment, partner notification, and counseling. The goals of the maternal child services include: improving the health of pregnant women and children through nursing, social work, and dietitian visits; decreasing developmental delays through evaluation, education and social work visits; reducing the rate of fetal and infant death by identifying causative and contributing factors and making recommendations for system change; and increasing access to specialized medical care and equipment for children and young adults living with certain disabilities or chronic illness.

Clinical Health Services

**Communicable Disease (CD) ♦ Sexually Transmitted Disease (STD)
Human Immunodeficiency Virus (HIV) ♦ Acquired Immunodeficiency Syndrome (AIDS)**

Outreach Events

- STD/HIV educational presentations, literature distribution, HIV testing, and/or condom distribution were completed at the Born Free Substance Abuse Prevention Program, Home of New Vision Recovery Center, Victory Clinical Services Methadone Center, Jackson County Fair, Jackson College, Martin Luther King Center, and the Faster Horses event.
- National HIV Test Day took place on June 27, 2017. Information regarding the importance of getting tested for HIV was distributed to 15 locations, including retail and convenience stores, libraries, community agencies, and colleges. Fifteen individuals tested at JCHD during the observance.
- A "Sexually Transmitted Infections: Best Practices in Screening and Treatment" presentation was provided to Jackson Health Network providers on 5/11/17 by JCHD Medical Director, Dr. Courtland Keteyian. This educational presentation updated local medical providers about STD trends, new practices in screening and treatment for STD/HIV, and local efforts in public health to combat the spread of these communicable diseases.

Link-Up Jackson

- Link-Up Jackson is a Data to Care (D2C) public health initiative to assist HIV-positive individuals who live in Jackson County and are not currently accessing HIV/AIDS care. HIV surveillance data is utilized to contact out of care individuals and provide short-term, intensive support through referrals to existing community support programs and/or engagement with an HIV medical provider.
- During FY17, 22 HIV+ clients were identified as potentially being out of care. Attempts were made to connect with all 22 clients. Of those, 8 were re-connected to care, 7 continue to be lost to follow up (incomplete/inaccurate contact information), 4 were not ready to commit to care, and 3 are residing/receiving care in another state.

Personal and Preventative Health Services Clinical Health Services

Immunization Program

- Immunization site visits were completed for 100% of the Vaccine for Children (VFC) provider offices in Jackson County (14) in 2017.
- Physician offices and staff were updated regularly on changes in the program through quarterly provider meetings, nurse education visits, VFC site visits, press releases, faxes, emails and social media sites.
- The Jackson County November 2017 profile immunization rates for children 19-35 months was 74.2% as compared to the State rate of 75.0% (4313314 coverage). When the recommended 2 doses of Hepatitis A vaccine is added to this profile, the rate for Jackson County decreases to 58% versus a State rate of 55.9%.
- Adolescent immunization rates in Jackson County have continued to increase over the past few years. The current Jackson County profile rate for teens immunized in the 132321 series (1 Tdap, 3 polio, 2 MMR, 3 Hep B, 2 varicella, 1 MCV4) is 85.9%, compared to the the state average of 76.3%. The current rate for the same vaccine series, with the addition of the recommended 2 doses of the HPV vaccine (1323212) however drops significantly to 48.1% for females (versus state rate of 41.4%) and 42.6% for males (versus state rate of 36.0%). Outreach efforts include intensive monitoring of profile reports, recall letters, parent letters, encouraging providers to assess and administer adolescent vaccinations and enter into MCIR, collaboration with schools, and providing immunizations to “hard to reach” populations such as the residents at the Jackson County Youth Center.
- Immunization and Women, Infants and Children (WIC) staff continue to work in partnership to assess and vaccinate children and adults who are not up to date with the recommended immunization schedule. The WIC immunization rate for 4313314 (4Dtap-3IPV-1MMR-3HIB-3HepB-1Var-4PCV) series for children 19-36 months was 77.1% versus the State rate of 77.4% (per County Quarterly Immunization Report Card as of November 11, 2017).
- Jackson County Board of Commissioners approved the Jackson County Immunization Resolution (06-17.12) and the School Immunization Procedures Manual, which went into effect in August 2017. The manual is intended to help schools and parent ensure they are in compliance with the Michigan Public Health Code, which requires that all student be up to date with required vaccines for school or have a valid medical or non-medical waiver on file on or before the first day of school. The public health code, procedure manual and local regulation authorize the Health Officer to proceed with civil action if a parent and/or school does not comply with the requirements.
- Approximately 376 non-medical immunization school waivers were provided for the 2017-2018 school report period.
- Approximately 2,421 recall letters were sent to families of children 9 months to 3 years of age.
- JCHD staff continue to provide leadership to the Jackson County Immunization Action Coalition which reviews the incidence of vaccine preventable disease in the community, populations affected, defines immunization gaps and develops action plans to increase specific vaccination rates.

**Personal and Preventative Health Services
Clinical Health Services**

Immunization Clinic			
	FY2015	FY2016	FY2017
Total Immunizations Given*	5,609	5,629	4,713
Flu Vaccine Given	1,078	901	906

* Total immunizations given includes seasonal flu vaccine.

Communicable Disease (CD) Program			
	FY2015	FY2016	FY2017
Reportable CD cases investigated & entered into MDSS*	426	536	733
Community/congregate outbreaks investigated	10	6	9
Foodborne complaints investigated	15	35	16

* Does not include STD/HIV/AIDS cases, Influenza-Like Illness cases (aggregate numbers only) or Michigan Department of Corrections prisoner data.

Sexually Transmitted Disease Clinic (STD)			
	FY2015	FY2016	FY2017
Patients Examined	1,198	1,494	1,459

Jackson County Sexually Transmitted Disease						
	FY2015		FY2016		FY2017	
	Rate*	Count**	Rate*	Count**	Rate*	Count**
Gonorrhea	35.0	57	44.0	71	76.0	123
Syphilis (Early Latent)	2.49	4	0.62	1	0.62	1
Syphilis (Primary)	1.87	3	0.62	1	0.00	0
Chlamydia	498.0	800	599.0	960	538.0	863

* Rates per 100,000

** Count = number of new cases diagnosed

Tuberculosis Clinic			
	FY2015	FY2016	FY2017
Newly Diagnosed TB	0	2	1
PPD (tuberculosis skin test) administered	470	616	522
Community health professionals trained by CD staff for TB skin testing	23	18	12

HIV / AIDS			
	FY2015	FY2016	FY2017
HIV/AIDS – number of clients receiving testing/counseling at JCHD	500 (2 positive)	566 (2 positive)	626 (2 positive)
HIV New Cases*	13	7	8
HIV Prevalence Rate** per 100,000 population	110.0	109.6	136.3

* HIV "new cases" represents Jackson County cases and does not include MDOC cases.

** HIV Prevalence Rate is reported annually from MDHHS in July.

Rabies			
	FY2015	FY2016	FY2017
Animals Tested	78	61	51
Animals Positive	3 (bats)	1 (bat)	0

Personal and Preventative Health Services Community Health Services

Children's Special Health Care Services (CSHCS)

- CSHCS staff participated in outreach efforts and provided CSHCS presentations, education, and brochure distribution at: American 1 Federal Credit Union's Kids Fest, Early Head Start, Partnership Park Baby Shower, Jackson Health Network, Community Action Agency, Community Resource Fair for Early Childhood, and various nursing student and CENA cohorts.
- CSHCS nurses began utilizing the new community electronic medical record, EPIC. This has increased timeliness in obtaining medical records which has increased efficiency in providing services to children and their families.
- JCHD staff participates on the CSHCS Local Advisory Council which has allowed for knowledge of change and a voice in the process for CSHCS programming.

Elevated Blood Lead Nursing Case Management

- JCHD nursing lead case managers provided home visits to 17 of the eligible 27 children in Jackson County who had venous confirmed blood lead levels of greater than or equal to 5 ug/dL. Home visits were not completed for 10 eligible children due to family refusal, lost to follow up, or lack of Medicaid (in these cases, education was provided via phone).
- 2 CSHCS nurses were trained as Lead Nurse Case Managers and participate in bimonthly statewide lead conference calls throughout the year. Both nurses have also participated in the Pediatric Environment Health Assessment (PEHA) training.
- Lead case management charting has successfully transitioned from an internal computer filing system to the required MDHHS Healthy Homes and Lead Poisoning Surveillance System (HHLPSS), which is a web-based tracking system supported by the CDC Childhood Lead Poisoning Prevention Program.
- Lead case managers collaborate closely with community partners to ensure that children in Jackson County who have elevated blood lead levels (regardless of testing location) receive follow up venous testing and medical care, as well as lead education and resource referrals for their family.

Maternal Infant Health Program (MIHP)

- MIHP Coordinator continued to collaborate with community partners to improve Maternal Child health in Jackson County, including the Great Start Collaborative, the Breastfeeding Coalition, the Maternal Child Health Action Team and the Fetal Infant Mortality Review team.
- Community outreach included presentations at the local Michigan Department of Health and Human Services office, Jackson Health Network, Families First, Recovery Technologies, Kids Fest, and the Community Baby Shower.

Personal and Preventative Health Services Community Health Services

Early On

- During FY2017, Early On provided services to 350 children and families.
- JCHD Early On program referrals remained steady for the past two years; 491 in FY17 and 493 in FY16. Initial Individual Family Service Plans (IFSP) increased by 63.5% in the past two years going from a total of 52 in FY16 to 85 in FY17.
- The Early On program (Part C) at the Jackson County Health Department provided Early On Family Training services through 438 family home visits with 142 children. 76 children participated in Early On sponsored playgroups.
- The 2017 Strand Report of Family Outcomes results showed that of Early On parents in our service area:
 - 82.5% agreed that Early On helped Families Know Their Rights. This result exceeds the State Target of 58.80% for 2017.
 - 82.5% agreed that Early On helped Families Effectively Communicate Their Children's Needs. This result exceeds the State Target of 53.80% for 2017.
 - 92.5% agreed that Early On helped Families Help Their Children Develop and Learn. This result exceeds the State Target of 77.60% for 2017.
- Through a Great Start Collaborative Grant, Early On provided additional support to 9 high needs families with 11 children through the Parents as Teachers program home visits.
- Two Early On staff members are Infant Family Specialists (II) as endorsed by the Michigan Association for Infant Mental Health.

Fetal and Infant Mortality Review (FIMR)

- In FY17, the FIMR program provided services at the individual level, such as:
 - Safe Sleep education- reaching over 936 individuals
 - Coordinating distribution of Pak-N-Plays to at risk families – 25 distributed
 - Infant bereavement visits for grieving parents – 11 visits provided
- During FY17, the Jackson County FIMR team, consisting of representatives from multiple medical and social services agencies in the community, held 10 meetings and reviewed 12 infant deaths. The findings from these reviews provided critical information about factors contributing to poor birth outcomes and loss of infant life in the first year. Those findings were shared with the Maternal Child Health Action Health Team of the Health Improvement Organization driving systems level change in the work to decrease infant mortality rates in Jackson County.
- FIMR health educator participated in a \$15,000 funding opportunity from MDHHS to complete a Maternal Child Health (MCH) needs assessment for Jackson County. Participation included attending regular webinars to learn about community MCH data collection and assessment, prioritizing unmet needs and creating SMART work plan development. A local needs assessment and work plan were completed focusing on areas of concern that may contribute to poor pregnancy outcomes.

Personal and Preventative Health Services Community Health Services

Maternal Infant Health Program			
	FY2015	FY2016	FY2017
Maternal Clients	138	103	76
Infant Clients	151	158	126

Children's Special Health Care Services			
	FY2015	FY2016	FY2017
Families Enrolled	771	762	749

Childhood Lead Poisoning Prevention Program			
	FY2015	FY2016	FY2017
Nursing lead home visits provided	14	21	22
Lead screenings completed in WIC clinic	945	855	593
Number of children less than 6 years old with elevated blood lead levels greater than or equal to 5 ug/dL in Jackson County (venous and capillary)	151 (updated)	218 (updated)	236 (provisional)

Early On			
	FY2015	FY2016	FY2017
Children Enrolled	312	314	350

Fetal Infant Mortality Review (FIMR)			
	FY2015	FY2016	FY2017
Cases Reviewed	10	10	12
Bereavement visits conducted for grieving parents	9	4	11
Cribs distributed with safe sleep education	42	32	25
Infant sleep sacks distributed at Allegiance for newborns	1,750	1,800	1,780
Safe sleep brochures distributed	598	680	770
Safe sleep brochures for grandparents distributed	80	115	110
Individuals reached with Safe Sleep education	720	683	936

Health Education and Health Promotion

The Health Education and Health Promotion (HEHP) Division encompasses a variety of preventive services and programs to empower individuals, groups, organizations, and communities to play active roles in achieving and sustaining healthy lifestyles. Some of these programs include Healthy Communities (chronic disease prevention), Jackson Tobacco Reduction Coalition, Teen Pregnancy Prevention, Car Seat Safety, Traffic Safety Education (Safetyville) for early elementary students, Reducing Under Age Distracted Driving (RUADD) for high school students, Childhood Lead Poisoning Prevention, and assistance accessing Health Insurance Programs. This division also provides state mandated Hearing and Vision screening services for students in the local school districts, as well as through on-site community screening clinics. Clinical services are also provided through the provision of the WIC (Women, Infants and Children) supplemental food and nutrition program.

Car Seat Safety Program

- Provided 755 services, including low-cost, brand-new car seats, short-term rental car seats, on-site car seat inspections and car seat safety education sessions during program hours at the Jackson County Health Department to families and agencies in Jackson County.
- Funded by the Jackson Traffic Safety Commission, Office of Highway Safety Planning, and the Jackson County Health Department. Received monetary donations from Cascade Wings GWRRA Chapter MI-J Jackson Michigan and individual clients.
- Provided 3 in-service/presentations on car seat safety for various agencies and groups in the Jackson Community. Two-three times a month, at Henry Ford Allegiance Health Stork Club Classes, 22 infant carrier car seat safety presentations were provided to expectant parents.
- Provided Car Seat Safety Technician assistance at 4 off-site car seat safety inspections with Car Seats in South Central Michigan, at the Jackson Community Ambulance, Jackson County Kids' Fest, alongside the Green Market at Henry Ford Allegiance Health System and Hillsdale County Kids' Fest.
- Continuing our collaboration with Henry Ford Allegiance Health to incorporate car seat safety education into various areas of the Henry Ford Allegiance Health System.
- Collaborating with the Center For Family Health for referrals to the Car Seat Safety Program, to families whose children are in need of safe appropriate car seats.

Hearing and Vision Screening

- **Vision (School Year 16/17)**
 - 21% of children screened for vision were referred to physicians for follow-up.
 - 31% of children referred for vision were reported to have been seen by a physician.
- **Hearing (School Year 16/17)**
 - 4% of children screened for hearing were referred to physicians for follow-up.
 - 21% of children referred for hearing were reported to have been seen by a physician.

Health Education and Health Promotion

Abstinence Programs

- The 6th grade classroom intervention at Middle School at Parkside reached 279 sixth graders, providing 14 hours of abstinence and puberty education.
- JCAP received an additional \$50,000 in funding from Michigan Abstinence Program to provide 14 hours of abstinence education, and 10 hours of service learning to 100 youth ages 10-15. With these funds, The Healthy Opportunity for Positive Empowerment (HOPE) program completed their second year. Three community sites collaborated with JCAP to implement the HOPE program: Frost Elementary, Higby St. Church and Northeast Elementary, with 50 youth completing the program. Eighty-three youth ages 10-15 were reached and participated in the 6 week Get REAL Summer Program, also completing 14 hours of abstinence education and 10 hours of service learning. Thirteen mentors, 3 college staff and 1 outreach worker mentored youth on a weekly basis. This program was held at St. Paul's Episcopal Church and met 3 times a week. Participants enjoyed weekly fieldtrips, service-learning opportunities, and guest speakers that helped relate weekly themes to life stories such as decision making, love vs. infatuation, mental health, sexual transmitted infection and self-esteem.
- Get REAL participants served the Jackson community with over 900 service-learning hours at the following sites: Together We Can Make a Difference, Jackson Medical Care Facility, Jackson County Fairgrounds and the Dahlem Environmental Center. The Get REAL participants were able to experience gardening, landscaping, distributing vegetables for the homeless community and upkeep with the nature trails.
- The spring of 2017, the JCHD Abstinence program received an additional mini grant for \$10,000 from the Michigan Abstinence Program. These funds were used to reach an additional 20 youth in the City of Jackson ages 10-15. This was accomplished by implementing a summer Be REAL program at the St. Paul's Episcopal Church. This group of youth were recruited from our Get REAL program and community to help gain skills with college readiness, careers, trades, abstinence education and ended with a college tour at Eastern Michigan University. During the month of July, 2017 an overnight educational retreat took place at Somerset Beach Campground for our Teen Advisory Council/Teen Mentors. The educational component on peer education and decision making.
- A Talk Early Talk Often parent workshop was held in February at the City of Zion. Twenty parents/community leaders were in attendance. The workshop allowed parents to gain more tips on ways to communicate with their child/youth about sexual health. Another parent workshop was hosted by the JCAP Abstinence Coordinator and the Big Brother Big Sister organization. This workshop invited youth and parents to sit together and learn practical ways to open conversation about sexual health. Thirty-four adults and youth attended this workshop.

Health Education and Health Promotion

Medicaid / Health Insurance / Marketplace

- Health insurance coverage maps of the City of Jackson and Jackson County were created to visually show by census tract and township the number of civilian, uninsured, non-institutionalized adults (where uninsured adults in the county and city live based on 2011-2015 data).
- The maps also focused on identifying where clients could apply for insurance based on whether it was a clinic site, hospital, access site other than a clinic, or one that offered Health Insurance Assistance. Schools such as Pathways to Potential and school districts were also listed on the maps.
- Insurance gap workgroup met quarterly to review outreach data, maps and try to identify missing gaps where services are needed.
- The Department of Health and Human Services (DHHS) Worker currently housed on the ground level of the JCHD is working great with our clients. She can provide immediate assistance and answer questions that come up with staff regarding Medicaid enrollments, benefits, reopening a case, case closures, dropping off information for a caseworker, etc.
- The DHHS intake worker has been able to work with WIC staff to provide immediate assistance for many situations that would previously have taken the client an additional trip or two downtown to resolve.
- The online system is changing and staff have been made aware of the changes starting in February 2018 for Jackson County residents.

Jackson Tobacco Reduction Coalition (JTRC)

- Approximately 10 Jackson Tobacco Reduction Coalition / Smoke Free Health Action Team meetings were conducted.
- Five trainings were provided to Health Care providers on the use of the 5A'S and the fax referral to the Michigan Tobacco Quitline
- Eleven agencies were contacted and provided information on the fax referral to the Michigan Tobacco Quitline as well as information on local tobacco resources.
- 34 Tobacco related posts were placed on the Jackson County Health Department Facebook page and shared with regional contacts for reposting.
- 3,590 people were reached through social media (Facebook)
- Press Releases were distributed for the following events: Great American Smokeout, and World No Tobacco Day. A display was placed in the lobby of the Health Department for the Great American Smokeout.
- 844 MI Tobacco Quitline Wallet sized cards were distributed throughout the year.
- 143 MI Tobacco Quitline Tear off flyers were distributed
- 508 Ink Pens with the MI Tobacco Quitline information were distributed through presentations
- Smoking information and cessation services was shared at approximately 11 Health Fairs/Displays throughout the year, including two Community Baby Showers, one in Jackson County and one in Livingston County.
- A new Tobacco Dental Project was granted to Jackson County Health Department to work directly with the Center for Family Health Dental Clinic for the purpose of instituting system changes to improve the delivery of evidence-based tobacco dependence treatment services.

Health Education and Health Promotion

Reducing Under-Age Distracted Driving (RUADD) Program

- The Reducing Underage Distracted Driving Program was provided in nine Jackson County High Schools during the spring 2017 semester. Participating high schools included Western, East Jackson, Lumen Christi, Napoleon, Columbia Central, Northwest, Jackson High, Grass Lake, and Springport.
- Approximately 410 students filled out the pre Survey, and 392 students completed the post-survey.
- 88% of the students “Agreed” or “Strongly Agreed” that the program would impact their decision to text when driving.
- 92% of the students “Agreed” or “Strongly Agreed” that the program would impact their decision to engage in other forms of distracted driving when driving.
- 93% of the students “Agreed” or “Strongly Agreed” that the program would impact their decision to drink and then drive.
- 92% of the students reported that they believe (Strongly Agree or Agree) that the program should be presented to all high school students.

Safetyville

- Safetyville was conducted with the assistance of the Think First Program at Henry Ford Allegiance Health, the Jackson County Sheriff’s Office, and the Jackson City Police.
- Funding for Safetyville was decreased for 2017 which required the Jackson County Health Department to minimize the schedule offered to area schools.
- A total of 529 students attended Safetyville.
- We had 23 Kindergarten and 1st grade classrooms attend representing 10 different elementary buildings within the county (5 schools districts and 3 private).
- Program evaluations completed by the teachers continue to indicate a high level of satisfaction and appreciation that this program continues to be offered for their students every year.
- Each student that attended Safetyville received a bag of educational items which consisted of several activity books (pedestrian safety, dog bite safety, and 911), crayons, and educational fliers on Health Department services to share with their parents.

Health Education and Health Promotion

Women, Infants & Children (WIC) Program

- In FY 2017, the Jackson County WIC program's base caseload of 5,100 was exceeded in October 2016, with a client enrollment of 5,116. Jackson County WIC experienced a decline in enrollment for the remainder of FY 2017, as did the entire state of Michigan overall.
- As of October 2017, Michigan WIC now requires all agencies to staff an IBCLC (International Board Certified Lactation Consultant) to assist mothers and babies with severe breastfeeding issues. The Jackson County WIC Program continues to employ Registered Dietitians, Registered Nurses, Nutritionists, Breastfeeding Peer Counselors, and clerical support staff.
- For World Breastfeeding Week 2017 (August 1-7), the Jackson County WIC program celebrated breastfeeding families of Jackson County by participating in the worldwide Big Latch On event with the Jackson County Breastfeeding Coalition. August has repeatedly been declared Michigan's Breastfeeding Awareness Month by current and past Governors, supporting and encouraging annual local celebrations.
- Project Fresh, a special WIC summer program offering coupons for fresh fruits and vegetables from local farmers, had a coupon redemption rate of 47.9% for Summer 2017, up from 44.6% in Summer 2016. A total of 288 coupon booklets were issued to Jackson County WIC families in an effort to increase fruit and vegetable consumption.
- Recently, WIC food packages were revised by USDA to include a new whole grain option, whole wheat pasta, for all WIC women and children, and low fat yogurt for women and children ages 2-4. Another new food package option for infants 9-11 months of age was added as well, CVB (cash value benefits) as a replacement for half of the regularly allocated infant jarred fruits and vegetables.
- For FY 2017, 593 children were lead screened in our local WIC clinic. Jackson County WIC has continued to incorporate child lead screenings into daily clinic services in attempt to increase the number of lead-screened children in our county. Children with elevated lead levels are referred to the Children's Special Health Care program nurse for follow-up.

Health Education and Health Promotion

Chronic Disease Prevention

- The County Wellness Team provided employees with 20 different behavior change/assessment opportunities in 2017; had 2,486 participants. 203 employees participated in Henry Ford Allegiance Health's *Health Risk Appraisal*
- Through the *Parks & Public Health Initiative* approximately 264 citizens participated in the weekly evening Zumba classes, offered June through August. This initiative was established Summer 2016 by the Coordinator, in collaboration with the County Parks and the YMCA to provide exercise classes during warmer months at the base of The Cascades.
- Established a Healthy Choices Pledge to encourage organizations to provide at least 25% healthy food and beverage options where people gather. To date: Jackson County Health Dept., Jackson County Parks Dept., MSU Extension have adopted a pledge.
- Established a Healthy Choices Policy for the Jackson County Health Department – 17 Section - Health and Policy – 17.07. It reads “Jackson County Health Department (JCHD) establishes that all on-site and off-site meetings/community events sponsored/supported by the JCHD will include at least 25% healthy foods/beverages that meet the USDA 2015 – 2020 Dietary Guidelines for Americans when such items are available where people gather.”
- Coordinator wrote for and received a Community Impact Grant for \$7,500 from the Jackson Community Foundation, on behalf of the Friends of Loomis Park. Funds were used to improve and repair the roof of the pavilion.
- Coordinator wrote for and received an MDHHS Nutrition & Physical Activity Self-Assessment of Child Care grant for \$10,000 to serve as a Technical Consultant to 7 childcare facilities as they assessed and subsequently created policies, practices & procedures to help reduce childhood obesity at their facility.
- Through active involvement on the *Friends of Loomis Park* neighborhood grassroots committee, the Coordinator was instrumental in the eventual creation of a first *Loomis Park Master Plan*, adopted by the Jackson City Council on 06/27/17.
- On behalf of the Walkable Communities Coalition/Active Living-Health Action Team, Coordinator worked with students of the Advanced Broadcasting class at Northwest High School to facilitate their video production of Jackson County Parks' *Bike Rental Station* at Weatherwax Rd. The video link is located on the County Parks' FB page.
- Chair of MALPH's Health Education & Promotion Forum
- Executive Committee member of the Walkable Communities Coalition/Activity Living-Health Action Team
- Team Lead/Active member of the Nutrition-Health Action Team
- Active member of the County Wellness Team
- Active member of the Leadership Infrastructure for Tomorrow planning team
- Active member of the Health Department's HPO Advisory Team
- Active Member of the Health Improvement Organization (HIO) Coordinating Council

Health Education and Health Promotion

Childhood Lead Poisoning Prevention Program – Community Partners

- 51 Lead Information Packets distributed to parents, landlords and interested participants at presentations.
- 9 buckets of cleaning supplies distributed to families where a child was identified with an elevated blood lead level.
- Three presentations were provided on lead poisoning, including two to city council wards one and two.
- 85 people were reached through presentations.
- 315 EPA Lead booklets were distributed to landlords or the City of Jackson for distribution during inspections.
- Collaborated with the City of Jackson on their application process to the Housing and Urban Development Lead Safe Housing Grant to conduct remediation and lead testing in the City of Jackson. In addition, Supplemental Grant funding was also requested for Pediatric Environmental Health Assessments for homes identified as a lead risk and also housing a child with an asthma diagnosis. The City of Jackson was awarded these grants.
- Facebook posts have increased and become a useful way to distribute information on a timely basis to the community.
- The webpage has been updated with current links to the Michigan Department of Community Health – Healthy Homes Page.

Childhood Lead Poisoning Prevention Program – Outreach and Education

- Twelve Lead Poisoning Prevention presentations were provided throughout Prosperity Region 9 (Hillsdale, Jackson, Lenawee, Livingston, Monroe, and Washtenaw Counties).
- Of the 12 presentations, three were provided in Hillsdale County, five in Jackson County, three in Lenawee County, one in Livingston County, one in Monroe County,
- In total, 179 people received the Lead Poisoning Prevention presentation and participated in pre and post testing. Everyone who attended the Lead Poisoning Prevention presentation received a copy of a toolkit which included educational materials, lead testing sites and contact information specific to their county, lead poisoning information for specific populations, lead cleaning information, a Lead Safe Home Application, EPA Booklet, Nutrition information, Lead Assessment and Lead Inspection information, as well as blood lead testing guidelines. An additional 40 toolkits were left at the sites for those who could not attend the presentation.
- Approximately 150 pieces of lead education material was distributed through displays and exhibits to families or professionals in Prosperity Region 9.
- Lead hazard / lead poisoning prevention information was distributed at 13 Health Fairs and Displays throughout the region.

Health Education and Health Promotion

Teen Pregnancy Prevention Initiative (TPPI)

- The Jackson County Health Department continues to coordinate the Teen Pregnancy Prevention Initiative partially funded by the United Way of Jackson County in the amount of \$20,000 for a 12-month period. The main goals of the TPPI are to improve adolescent sexual health; improve parent-child communication; and increase community awareness. Strategies include: conducting bi-monthly TPPI Advisory Committee meetings, maintaining an active Teen Advisory Council with 17 trained peer educators, working with school Sex Education Advisory Committees to ensure evidence based curricula is in place, and implementing community awareness events. An average of twenty agency/community representatives are part of the TPPI Advisory Committee.
- The TPPI continues to achieve goals set forth in the Strategic Action Plan for 2014 - 2020, which can be found at www.tppijackson.org.
- The TPPI implemented the sixth year of the Teen Outreach Program (TOP) through the Taking Pride in Prevention Program with the Michigan Department of Health and Human Services. The program took place from September 2016 through May 2017. The TOP program implemented 10 TOP Clubs at Western Career Prep High School, da Vinci Institute High School, and the Fourth Street Learning Center. Weekly lessons were taught at each site which includes a minimum of 29 lessons and 15 hours of community service learning. One hundred eighteen students were in the TOP program this school year with 77 students reaching the 75% attendance requirement.
- A Talk Early Talk Often workshop was held on February 9, 2017 at The City of Zion Ministries. Twenty-one parents were in attendance. The workshop assists parents with feeling more comfortable communicating with their child about sex.
- The sixth annual Power of Me after school program and Fashion Show took place in March 2017 at the King Center in Jackson with 30 middle school girls completing the program. A second site of the program was started at Northwest Middle School in April 2017 with 29 girls completing the program. Thirty-two participants and their chosen mentors attended a banquet at the conclusion of the program at the Cascades' Manor House.
- The TPPI received \$12,000 from the Women's Leadership Council in 2016. Remaining funds were used to purchase, assemble, and distribute condom kits to youth within the City of Jackson. Condom kits include: 12 male condoms, sample size lubricant, instructional cards on how to use a condom, information on the STD clinic within the Jackson County Health Department, information on Planned Parenthood in Jackson, and information on the Teen Pregnancy Prevention Initiative. From July – December 2017 over 2,500 kits were distributed.
- Regular updates on the TPPI are included on the Facebook page, which can be found at the following link: <http://www.facebook.com/#!/JacksonTeenPregnancyPreventionInitiative> The TPPI Twitter account can be found at: <https://twitter.com/TPPIJackson>, and the TPPI Instagram page can be found at: <https://www.instagram.com/tppijackson/>

Health Education and Health Promotion

Abstinence Programs			
	FY2015	FY2016	FY2017
Youth Served	311	414	423
Schools Receiving Curriculum	2	2	3
GET REAL Summer Program	69	73	74
Car Seat Safety Program			
	FY2015	FY2016	FY2017
Car Seats Provided	360	318	295
Car Seats Inspected	54	37	94
Education Sessions	395	337	366
Childhood Lead Poisoning Prevention Program – Community Partners			
	FY2015	FY2016	FY2017
Landlords Reached	73	160	7
Lead Education Materials Distributed	396	259	373
People who Received RRP Certification	N/A	21	N/A
Childhood Lead Poisoning Prevention Program – Outreach and Education			
	FY2015	FY2016	FY2017
Presentations Provided	23	14	11
People Reached	279	258	210
Toolkits distributed	522	322	240
Hearing and Vision Screening			
	SY 14/15	SY 15/16	SY 16/17
Hearing Screenings Performed	7,436	8,110	7,549
Vision Screenings Performed	11,389	9,826	10,776
Jackson Tobacco Reduction Coalition			
	FY2015	FY2016	FY2017
People Reached	207	414	508
Callers to MDHHS Quitline	112	162	99
Presentations / Trainings provided	NA	12	6
Medicaid / MICHild Health Insurance / Healthy Michigan Plan			
	FY2015	FY2016	FY2017
Children (0-18) Enrolled on Medicaid	15,553	16,136	NA
Children (0-18) Enrolled on MICHild	529	781	NA
Healthy Michigan Plan Enrollees	7464	7,859	8,146
Medicaid Outreach			
	FY2015	FY2016	FY2017
Individuals Informed about Medicaid	19,131	17,100	16,903
Individuals Assisted with Applications	540	540	183
Individuals Referred to Programs / Services	6793	4,996	3,860
WIC			
	FY2015	FY2016	FY2017
Average Monthly Participants Enrolled	5261	5150	4903
Average Monthly Participation	4688	4615	4311

Health Education and Health Promotion

Healthy Communities - Chronic Disease Prevention			
	FY2015	FY2016	FY2017
Number of school districts that adopted USDA <i>Smart Snacks</i> nutrition standards for food & beverage offerings outside of school food programs	13	13	13
Number of Food Pantries offering fresh fruits and vegetables obtained by the Food Bank of South Central Michigan's <i>Fresh Food Initiative</i> program	7	7	7
Number of school districts integrating nutrition education and healthy food options into school-based concessions	4	4	5
Number of schools with a gardening program	3	2	NA
Number of Providers addressing nutrition/weight issues via being trained in motivational interviewing and/or other such behavior change techniques	12	12	12
Number of Step-by-Step & MSUE awareness/educational events aimed at expanding local farmer's market sales through increased knowledge	3	3	7
HRAs provided to County employees through the <i>It's Your Life</i> program via the County Wellness Committee	207	214	203
Number of different behavior-change opportunities provided to County employees via the County Wellness Team	20	22	20
Number of employees participating in the different behavior-change opportunities provided by the County Wellness Team.	2,443	2,603	2,486
Participants of the <i>Parks & Public Health Initiative's</i> exercise classes at The Cascades: once monthly Zumba; weekly Urban Boot Camp	NA	180	264
Number of organizations adopting <i>Healthy Choices</i> practices, committing to providing at least 25% healthy foods & beverages where people gather on- and off-site	NA	3	3
Number of childcare providers that have assessed and are currently working through action plans to embed best nutrition and/or physical activity practices into their daily work/schedule	NA	NA	7

Emergency Preparedness

Mission Statement

Emergency Preparedness (EP) fully supports and strives to enhance the mission of the Jackson County Health Department. The mission is supported by ensuring emergency plans are current and practiced through orientations, drills, and exercises. The goal is to provide rapid and efficient response to Public Health threats.

2017 Highlights

- Informing and training staff at the Jackson County Health Department is an integral part of preparedness. Emergency Command Center staff received training on state systems for notification (MI-HAN) and incident tracking (WebEOC). They also participated in exercises addressing administrative preparedness and continuity of operations plans. Floor wardens completed fire extinguisher training led by City of Jackson Fire Department personnel. New staff completed courses required to maintain National Incident Management System (NIMS) Compliance.
- Any emergency response will require collaboration between local and regional partners. In 2017, a variety of trainings and exercises hosted by Jackson County Emergency Management as well as District 1 Regional Medical Response Coalition were attended by health department staff. Topics included Mass Fatality planning, Behavioral Health Continuity Planning, Crisis Leadership, Public Health Law, Media Training, and Long Term Care Emergency Planning.
- Planning and training to activate medicine dispensing locations during a public health emergency is always a focus. As a result of a new tool used to assess our plans in 2016, health departments were asked to develop an action plan for improving capabilities. This allows us to focus on items of top local priority. In 2017, our agreements with five dispensing locations in the county were updated and work was done to partner with more organizations who will agree to dispense medication provided to their own patients and staff. In the spring, an exercise involving the ordering of medication was done in conjunction with hospital staff to ensure better local coordination. At a regional level we are working to standardize forms and procedures to improve our ability to work within various jurisdictions.
- In addition to the trainings and exercises already mentioned, the Emergency Preparedness Coordinator attended two conferences and was asked to evaluate four exercises. She and the Clinic Services Coordinator attended a free week long course at the Center for Domestic Preparedness in Anniston, Alabama focusing on the Strategic National Stockpile.
- Representation continued on the following local committees; emergency management local planning team (LPT), local emergency planning committee (LEPC), and the Henry Ford Allegiance Health Emergency Management Committee. There was also participation in Regional Emergency Preparedness Coordinator and District 1 Regional Medical Response Coalition meetings.

Health Indicators

Selected Leading Causes of Death

	Jackson County			Michigan		
	2014	2015	2016	2014	2015	2016
Diseases of the Heart	260.4	238.9	276.4	248.0	245.5	255.0
Cancer	246.6	233.2	256.2	212.7	205.1	211.1
Chronic Lower Respiratory Disease	69.5	85.3	83.9	53.8	57.9	56.4
Cerebrovascular Diseases (Stroke)	47.0	35.1	51.7	46.1	46.0	49.3
Diabetes Mellitus	31.9	35.7	29.0	28.6	27.3	27.0
Unintentional Injuries (Accidents)	36.3	33.9	44.2	44.1	45.8	53.9
Influenza and Pneumonia	21.3	16.3	16.4	18.8	18.9	16.9
Intentional Self-Harm (Suicide)	11.3	17.6	7.6	13.6	14.0	13.8
Assault (Homicide)	5.0	5.0	4.4	5.9	6.0	6.3

Case rates per 100,000

Cardio Pulmonary Disease Causes of Death

	Jackson County			Michigan		
	2014	2015	2016	2014	2015	2016
Diseases of the Heart	260.4	238.9	276.4	248.0	245.5	255.0
Chronic Lower Respiratory Disease	69.5	85.3	83.9	53.8	57.9	56.4
Cerebrovascular Diseases (Stroke)	47.0	35.1	51.7	46.1	46.0	49.3
Diabetes Mellitus	31.9	35.7	29.0	28.6	27.3	27.0
Influenza and Pneumonia	21.3	16.3	16.4	18.8	18.9	16.9

Case rates per 100,000

Maternal / Infant Health Indicators

	Jackson County			Michigan		
	2014	2015	2016	2014	2015	2016
Total Live Births	1870	1729	1780	114,460	113,211	113,374
Teen Births (15-19)	175	126	121	6968	6,352	5792
***Teen Birth Rate (15-19)	33.8	24.6	24.6	21.1	19.4	17.7
*Teen Pregnancies (15-19)	241	172	173	11474	10,369	9,542
***Teen Pregnancy Rate (15-19)	46.5	33.5	35.1	34.8	31.6	29.2
Low Birth Weight (↓ 2500 grams)	137	164	149	9,592	9,611	9,708
Very Low Birth Weight (↓ 1500 grams)	13	27	23	1,736	1,735	1,699
**Inadequate Prenatal Care	159	172	112	10,199	10,639	10,613
Inadequate Prenatal Care Percentage	8.5	9.9	6.3	8.9	9.4	9.4
Infant Deaths	8	10	17	775	765	730
****Infant Death Rate	4.3	5.8	9.6	6.8	6.8	6.4

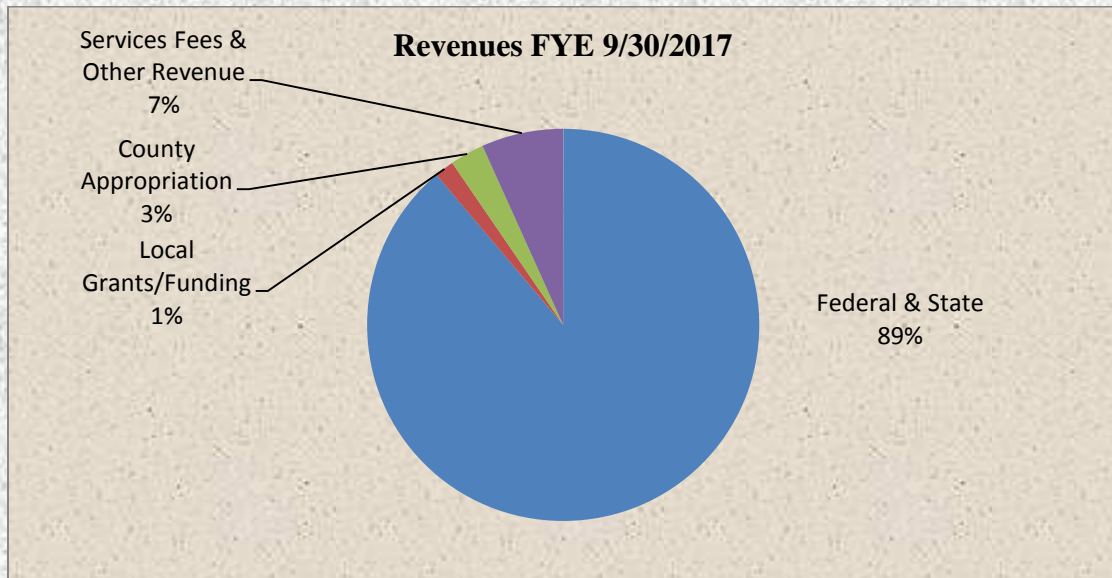
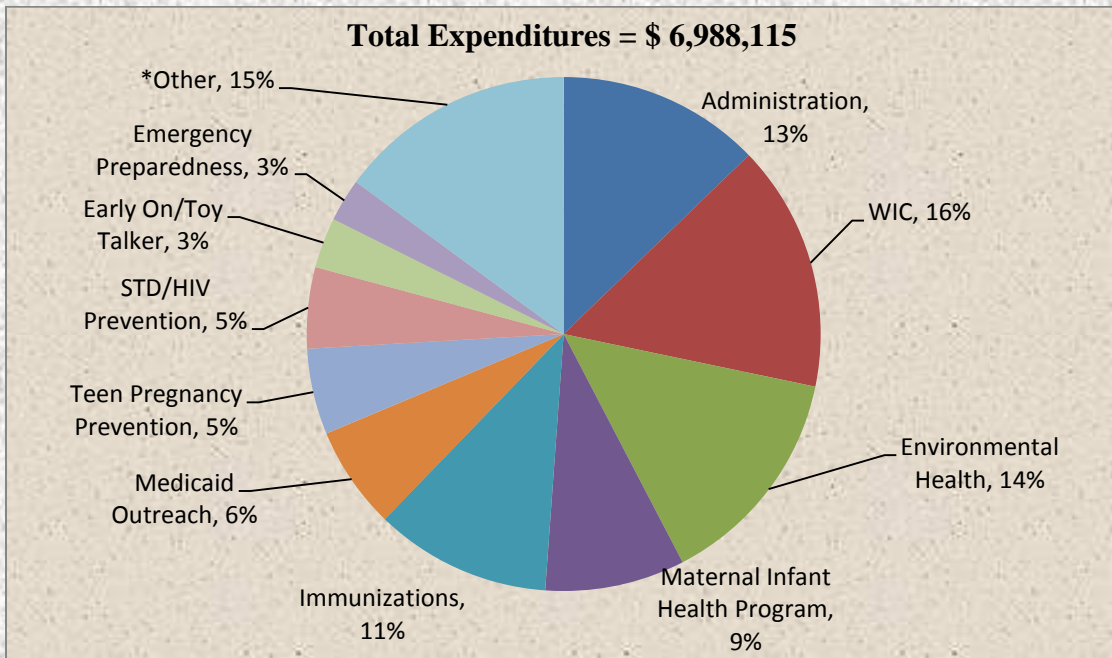
* Pregnancies are the sum of live births, abortions and estimated miscarriages.

** The State's definition of prenatal care is classified by the Kessner Index. The Kessner Index is a classification of prenatal care based on the month of pregnancy in which prenatal care began, the number of prenatal visits, and the length of pregnancy (i.e., for shorter pregnancies, fewer prenatal visits constitute adequate care.)

*** Case rates per 1,000

**** Case rates per 1,000 live births

Financial Report
FY 2017 = Revenues & Expenses**



***OTHER PROGRAM EXPENDITURES**

Car Seat Safety Program.....	1.0%	Infant Mortality & Prevention.....	1.5%
Children's Special Health Care.....	3.0%	Lead Prevention/Testing.....	<2.0%
Communicable Disease.....	2.0%	Safe Driving Program.....	<1.0%
Health Education/Health Grants.....	2.0%	Tobacco Reduction.....	<1.0%
Hearing and Vision.....	3.0%		

****Note that the revenues and expenditures presented on the charts above are unaudited numbers and do not include the Animal Shelter revenues and expenditures.**

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DEDICATED to

Creating Healthy Communities