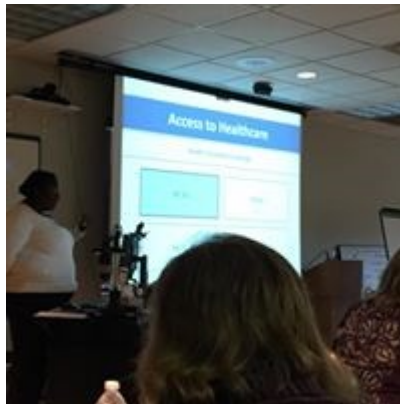


2017 Annual Report



Public Health
Prevent. Promote. Protect.
Zanesville-Muskingum County



*A Healthy & Safe
Muskingum County*

Corey Hamilton, MS, RD, LD

Zanesville-Muskingum County Health Commissioner



We are working to protect the health of Muskingum County residents through immunizations, health inspections, and monitoring disease outbreaks.

The future for Muskingum County residents is bright if residents make healthy food choices, be active to improve overall health, and be

smoke free.

Enjoy our annual report! And don't forget to visit us anytime through our website or find us on social media.

In good health,

Corey Y. Hamilton, MS, RD, LD



205 N. 7th Street, Zanesville



333 Putnam Avenue, Zanesville

MISSION

To promote, protect and improve public health in Muskingum County.

VISION

We continuously improve and use our knowledge, skills, and abilities to help our community grow to be a healthier place to live, work and play. We identify changing public health priorities; mobilize resources and partners to respond to our community's health challenges. Our services are driven by community need and fiscal responsibility.

VALUES

Continuous Quality Improvement: We continually look for ways to improve our work environment, processes, efficiency and effectiveness.

Integrity: We are fair, honest, ethical and accountable to our customers and co-workers.

Respect: We accept diversity and practice kindness.

Service: We are helpful, responsive, and take pride in providing excellent customer service to our community.

Teamwork: We work together to establish common goals and achieve desired results.

STRATEGIC PRIORITIES

High Performing Agency: To strive to exceed standards and expectations.

Image: To enhance our image as the public health expert in the community.

Information Management & Analysis: To collect, manage, and distribute public health data.

Infrastructure & Capacity: To ensure a secure foundation for the agency.

Public Health Services & Initiatives: To provide interventions and programs to improve the health of our community.

Workforce Development: To maintain a highly skilled and diverse workforce.

Zanesville-Muskingum County Board of Health



- Jennifer Agin.....District Advisory Council
- Kevin Coveney.....District Licensing Council Alternate
- Abby Nguyen.....District Advisory Council
- James Shepherd, President.....District Advisory Council
- John Hibler, DO.....City of Zanesville
- James Brown, JD.....City of Zanesville
- Absent: Bill Bird, Vice President..... District Licensing Council
- Absent: Paul Nestor.....City of Zanesville

District Advisory Council

The Zanesville-Muskingum County Health Department serves the townships, villages, and cities of the county. The chief executive of each of the villages, the president of the Muskingum County Board of Commissioners, and the chairperson of each township's board of trustees are the designated members of the District Advisory Council. They are required by law to meet annually in March, and their statutory powers and duties include selecting board of health members and considering special reports from the board.

2017 Officers:

- Brian Palmer, President
- Wayne Kilpatrick, Secretary

Senior Staff

Health Commissioner

Corey Hamilton, MS, RD, LD

Medical Director

Vicki Ann Whitacre, MD

Environmental Health Director

Ed Shaffer, RS

Director of Nursing

Carol Howdysshell, RN, MSN

Director of Community Health Promotion & Planning

Bonnie Kirsch, MA, CHES

Director of Business & Information Systems

Lisa King, MBOE, BBA

2017 Employees

Dave Baker, Linda Barker, Kristina Bell, Deb Christians, Laurie Coplin, Delma Cover, Michael Cruze, Tina Daniels, Lisa Davidson, Adam Dickerson, Carolyn Dukes, Noel Dunn, Katie Eltringham, Jessica Emerick, Betty Fisher, Claire Gately, Ann Gooden, Linda Hayes, Cesley Hayes, Matt Hemmer, Emily Hemmer, Jennifer Hiestand, Ann Hollingsworth, Alisha Hughes, Karen Jacolenne, Kylie Jones, Megan Jones, Dalton Kirkbride, Vickie Kokensparger, Jaqueline Layton, Bob Lewis, Brandi Lewis, Kimberly Matthews, Tiffany McFee, Amanda McPeck, Kris Medley, Cynthia Murray-Largent, Jenny Murrey, Julie Nash, Dedra Parsons, Michelle Phillips, Tawny Pletcher, Darlene Powell, Heather Rice, Veronica Sayles, Thasia Schilling, Amanda Shepard, Jody Shriver, Angie Smith, Tom Stratford, Dolores Stuhmer, Jason Tilton, Tammy Vaughan-Rogers, Tabby Willett, Carrie Williamson, Erin Wood, Pam Workman, Anita Wright, Diana Zaato.

Maintaining Financial Stability

The Zanesville-Muskingum County Health Department serves a population of 85,000 according to the latest report of the U.S. census Bureau. In 2017, ZMCHD has an operating budget of approximately \$5.5 million.

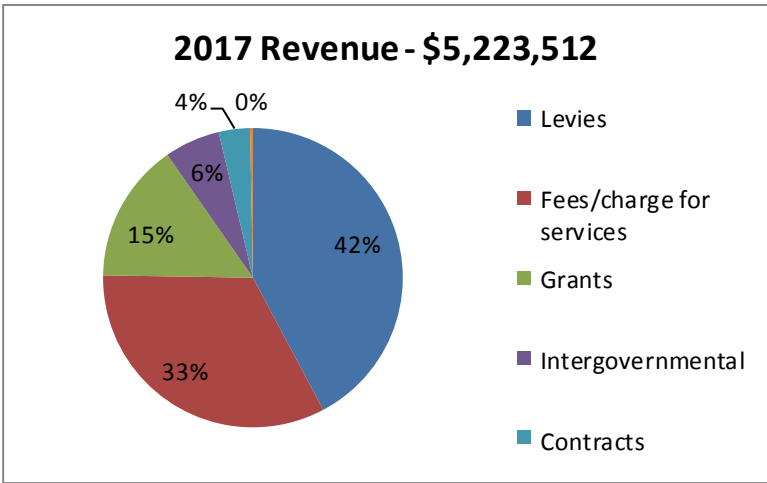
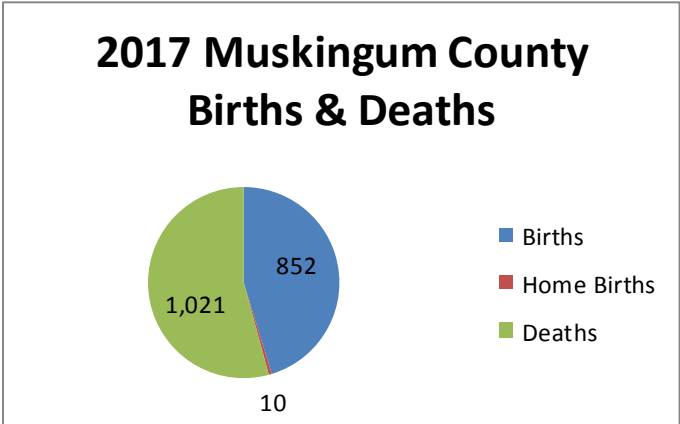
The following charts show ZMCHD's income, expenses and fund balance for the period ending December 31, 2017. A detailed copy of the annual financial statement is available by contacting Commissioner Corey Hamilton at coreyh@zmchd.org or 740-454-9741.

Fund Balance or Carryover

The Health Department budgets for revenue and expense for the current year and has cash that is carried over to the next year. Our goal is to keep cash available for any contingencies that may arise (disasters, loss of revenue source, etc.). By the end of the 2017 operating period, the fund balance was \$6,853,805.

Vital Statistics

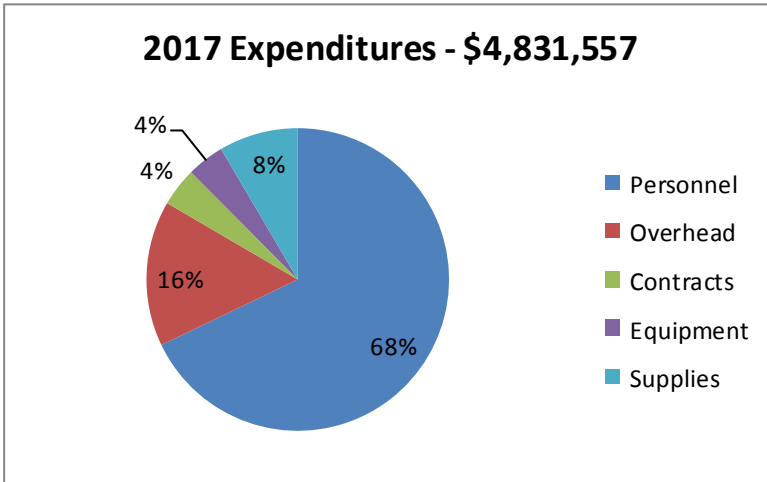
Our office receives, records, and maintains all birth and death certificates for Muskingum County from December 1908 to the present. Certificates are recorded in the county in which the birth or death occurs regardless of place of residence. Birth and death certificates are available for a fee of \$22.00 per certified copy. Birth certificates are available at our Zanesville office for births that occurred in any county in Ohio. For your convenience you can process online requests through our website, www.zmchd.org. All major credit cards are accepted.



Top 5 Causes of Death in Muskingum County 2017

1. Heart Disease
2. Cancer
3. Respiratory Disease
4. Cerebrovascular Disease
5. Accidents

Healthy lifestyle choices are important in the prevention of chronic diseases such as Type 2 diabetes, heart disease, stroke, and lung disease. Choosing physical activity and good nutrition over tobacco use and excessive alcohol is just "good medicine" in the fight against preventable chronic diseases.



Assessing Population Health

Community Health Improvement Plan



In 2017, the **Healthier Muskingum County Network** (a collaboration of local government agencies, non-profits, healthcare providers and businesses) released the 2016 Community Health Assessment (CHA). It provides an overview of the health status for Muskingum County and involved one year of data collection and analysis. The assessment is used to identify key problems and assets in Muskingum County to develop strategies to address the community's health needs and identified issues.

Based on the results of the assessment, the network prioritized the challenges facing our residents and created strategies to address these areas through the 2017-2019 Community Health Improvement Plan (CHIP). Four priorities for action based on the social determinants of health are education, mental health, food insecurity, and access to care. Strategies for the priorities were selected. The next step is implementing and tracking progress of this plan.

For more information on the CHIP and CHA, visit www.zmchd.org. Click on Resources, then Data & Reports.

Striving for Accreditation



In 2017, the ZMCHD Accreditation Team was formed from representatives across the agency. The goal of the team is to lead the agency towards becoming successfully accredited by July 2020. Public Health Accreditation Board (PHAB) standards and measures include 12 domains. A domain is a group of standards that pertain to a broad group of public health services. The first 10 domains address the ten Essential Public Health Services. Domain 11 addresses management and administration. Domain 12 addresses governance.

The accreditation team reviewed all 12 domains. Internal teams were created for each domain ranging from 2-4 staff members. The teams began collecting documents and working on filling any gaps within their assigned domain. Each team is led by domain champions who report progress, goals, and challenges at the monthly accreditation team meetings. At the end of 2017, the teams collected 47% of documentation. ZMCHD also officially applied to PHAB for accreditation.

Investigating Diseases

ZMCHD monitors more than 50 infectious diseases considered to be hazardous to the community. In accordance with state law, medical providers must report all cases of these diseases to us as the local public health authority. All reported cases are investigated to prevent further spread of illness. An infectious disease nurse provides case investigation and contact tracing to ensure testing and treatment. In an outbreak (two or more cases of similar illness with a common exposure), the nurse works with an epidemiologist (studies patterns in health-related events) and an epidemiology team (special team of public health professionals). Specific protocols ensure a rapid and effective response.

Our epidemiology team investigated two disease outbreaks in 2017. An outbreak is defined as two or more cases of similar illness that have a common exposure. The primary causes of 2017's outbreaks included norovirus and influenza A. These illnesses can be prevented with general infection control measures, such as proper hand washing. Outbreaks can happen anywhere including public pools, assisted living facilities, day cares, churches, restaurants, schools, and many other locations. The variation in setting and source sends an important message to our community: good hand hygiene and safe food-handling practices are important measures for reducing illness.



Preparing & Planning for Emergencies

ZMCHD enhances community preparedness by encouraging and supporting readiness planning efforts among all community members from individuals to businesses. We also foster relationships with local government and organizations to prepare for and respond to potential hazards.

We serve in a leadership role on the Ohio Hospital Association Healthcare Coalition of Muskingum, Perry, and Morgan Counties. The purpose of the coalition is to develop partners that are committed to strengthen the health care system in preparation for emergencies. The coalition also began working with long-term care facilities and other agencies that fall under the 2017 CMS (Center for Medicaid/Medicare) in emergency planning.

In addition to these ongoing efforts, staff participated in the following: LEPC (Local Emergency Planning Committee) hazmat exercise, regional widespread power outage exercise, regional Zika exercise, and a drill with nursing staff to test the ability to create a pick list and gather needed items to hold a school-based flu clinic.

We served 1,281 people during five mass flu immunization exercises.



Conducting Health Education & Outreach

ZMCHD works to encourage system changes that create a culture where healthy lifestyles are the norm. We also provide information to the public about health risks, disease prevention and wellness. Our work covers a wide range of topics and includes chronic disease prevention, tobacco control, child and teen health promotion, and traffic safety.

Blessings in a Backpack was implemented in the Zanesville City Elementary Schools providing nutritious meals for elementary students to take home and eat on the weekends.

ZMCHD conducts **child lead investigations** to identify lead hazards and reduce lead poisoning.

ZMCHD coordinates the **West Muskingum High School Stand Team** to promote tobacco free living. The team conducted tobacco retail store audits, collecting data on the types of tobacco products, prices, promotions, and placement of products.



We lead the **Muskingum County Safe Communities Coalition**, a collaboration of agencies including law enforcement, Muskingum County Emergency Management Agency, Ohio Department of Transportation, Ohio Traffic Safety Office, and other private entities that meet to discuss traffic safety trends in the county. The coalition provides traffic safety education to the community, informing them about impaired driving, seatbelt usage, distracted driving, and motorcycle safety. In 2017, there were nine fatal crashes. Six of them were the result of not wearing seat belts. None were motorcycle or alcohol related. The current seat belt usage rate for Muskingum County is 86%.

ZMCHD continued the **Baby & Me Tobacco Free** program. Those enrolled are required to participate in four brief Prenatal Quit Smoking sessions; quit smoking and stay quit during their pregnancy; agree to take a monthly breath test to show that they are smoke free; and stay smoke free after their baby is born. If they are successful, they receive a \$25.00 monthly voucher for free diapers for up to 12 months.

WIC (Women, Infants and Children) provides nutrition and breastfeeding education, growth screenings, vouchers for healthy foods, and referrals to community resources. This program improves birth outcomes and lowers the risk of obesity for participants. WIC also facilitates the **Muskingum County Breastfeeding Moms** group, a support group for breastfeeding mothers and their babies. The group reaches 890 people through the Facebook page and meets in person twice a month.

Providing & Connecting Care



Vaccinations can save lives and stop the spread of diseases. ZMCHD provides all recommended vaccinations per the CDC guidelines for children and adults. Staff also offer education and guidance on **international travel vaccinations**.

Muskingum County saw a 19 percent increase in communicable disease cases reported from, 2016 to 2017 (907 cases and 1,122 cases respectively). Numerous infectious diseases were reported during 2017; however, the most frequently reported illnesses were Chlamydia (492 cases), Hepatitis C (329), and Gonorrhea (226 cases). Public health nurses confidential screening, treatment, and education to reduce the impact of sexually transmitted

infections.

Our **home visiting services** include staff who promote child health, safety and development. Several programs are offered including **newborn** screening follow-ups, **Help Me Grow** home-based parenting education and testing to see if a child has a developmental delay. Staff also work with pregnant women with addiction to provide care coordination and support to promote healthy families.

The **Senior Health Program** provides education and gives seniors a chance to sit down with a registered nurse and discuss their health care concerns in more detail. Seniors receive blood pressure checks, pulse, respiration, oxygen saturation, blood glucose and weight screenings.

BCMH (Bureau for Children with Medical Handicaps) is a program that serves children with special health care needs and their families. Services include care coordination and links to needed services and resources.

Our school-based team places **dental sealants** on children's teeth to protect their permanent molars from decay.

Protecting the Health of the Community

Our Environmental health staff enforces public health laws to prevent and reduce potential health threats. By helping ensure safer food and water these laws help create some of the conditions needed so that every resident can be healthy.

Staff enforces state regulations of permitted facilities, including restaurants, grocery stores, school cafeterias, public swimming pools, tattoo studios, and others. Plumbing inspectors enforce state regulations of commercial and residential plumbing installations. We conduct inspections and provide education.

Environmental health also enforces state groundwater rules and regulations, which includes issuing permits for sewage disposal systems and investigating complaints related to failing sewage systems. Maintaining efficient sewage disposal systems helps protect our groundwater from contamination. ZMCHD received \$150,000 in EPA sewage assistance funding in 2017. Eighteen projects were completed.

Environmental health also conducts seasonal mosquito monitoring. In 2017, ZMCHD received \$31,700 from the Ohio EPA to trap and sample mosquitoes, eliminate standing water, and conduct treatments to prevent the spread of West Nile and Zika virus. Zika information packets were distributed to primary care and local OB/GYNs including testing protocols, preventative information for patients and medical information for providers. Information was coordinated with our travel clinic. Educational materials and repellent were shared at summer special events.

Six applicants qualified for the Solid Waste Nuisance Remediation Program, which resulted in the removal of 270 cubic yards of waste and debris from area residences.



Reducing Drug Overdoses

ZMCHD continued the Project DAWN (deaths avoided with naloxone) program in cooperation with Muskingum Behavioral Health and Mental Health Recovery Services (MHRS). In 2017, 71 Narcan kits were distributed to family and friends of people who are abusing drugs. Local law enforcement were also trained and received kits.

In March, a ZMCHD addiction prevention workgroup began meeting regularly to focus on opioid use in our community.



In April, Health Commissioner, Corey Hamilton participated on a discussion panel at the Ohio Statehouse to share how public health is working within local communities to combat the opioid drug crisis.

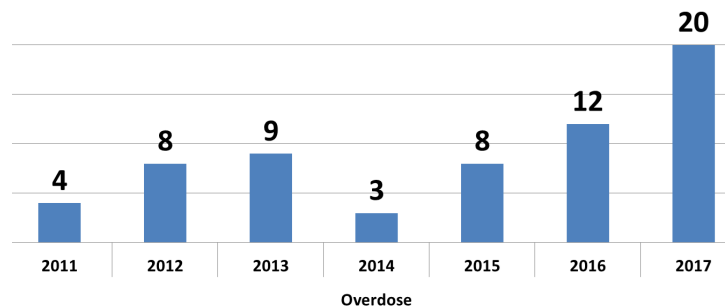
ZMCHD coordinated **National Prescription Drug Take Back Day** twice in 2017 to give area residents options for disposing expired or unused prescription drugs. Individuals are able to drive thru and drop off prescription drugs anonymously.

In July, U.S. Senator Sherrod Brown hosted a roundtable discussion where community leaders weighed in on how south-east Ohio is impacted by the overdose problem.

At the end of 2017, ZMCHD received a grant through Ohio Injury Prevention to develop a community strategic plan that outlines countywide efforts to address and reduce prescription drug abuse in Muskingum County, resulting in systems based change strategy complete with an implementations and evaluation plan.

Overdose Deaths

Muskingum County
2011 to 2017
ZMCHD Vital Statistics



2017 Health Services by the NUMBERS

People Vaccinated	2,433	Birth Certificates	4,954
Communicable Diseases Reported	1,122	Death Certificates	3,848
Dental Sealant Team Children Screened	2,403	Food Service Inspections	1,194
WIC Participants	1,979	Food Licenses Issued	580
West Muskingum School Students Served	1,380	Temporary Food Licenses Issued	135
Senior Health Program Participants	741	Plumbing inspections	926
BCMh Children Served	576	Backflows tested	2,973
Foxfire School Students Served	400	Sewage Treatment Systems Inspected	393
MVESC Students Served	260	Nuisance inspections	317
Help Me Grow Participants: Early Intervention	171	Rabies Investigations	295
Help Me Grow Participants: Home Visiting	66	Mosquito locations treated	153
Lead Investigations	9	New Private Water System Permits Issued	128
Baby & Me Tobacco Free Participants	46	Swimming Pools & Spas Inspected	90
Blessings in a Backpack Students Served	175	School Facilities Inspected	75
PHAB Accreditation Documentation Collected	47%	Body Art Establishments Inspected	29
Traffic Safety Impressions	585,093		

**Thank you for viewing public health as a
priority worth continuing to fund!**

**We will continue to be helpful, responsive, and take
pride in providing excellent customer service .**

Engage with Us!

Tell us what we can do for you, what you think, what we're doing well, or how we can improve! There are many ways to get the conversation started:

928 Facebook Likes

926 Facebook Followers



“Like us on Facebook!

We're at www.facebook.com/ZMCHD

2,580 Twitter Tweets

609 Twitter Followers



“Follow Us” on Twitter!

We're at www.twitter.com/ZMCHD

70 Public Requests

59 Media Requests



E-mail us at help@zmchd.org



Call us at (740) 454-9741.



Take our Customer Satisfaction Survey at
<http://www.zmchd.org/customer-satisfaction/>



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Health Department
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Zanesville, OH 43701