TO OUR STAKEHOLDERS

During 2018 Mercer County Health District’s dedicated staff of 18 public health professionals engaged in a wide variety of efforts to maintain and improve our service to the community, with oversight and guidance from the Mercer County Board of Health. This resulted in many accomplishments, including the following:

- The Health Services Division provided more than 16,000 vaccinations to over 5,000 people.
- The Vital Statistics Program issued over 3200 certified birth and death certificates.
- The Environmental Health Division performed over 1200 inspections and investigations.
- The Epidemiologist and Communicable Disease staff investigated over 330 reportable diseases.
- 2018 marked the tenth anniversary of MCHD’s first drive-thru flu vaccination clinic. During the 2018 clinic, staff and volunteers provided nearly 600 flu vaccinations.
- MCHD staff worked together to upload and submit over 300 documents to the Public Health Accreditation Board as we took the next step toward accreditation.

This is just a sample of the many positive contributions made possible by the work of our dedicated staff and the support of our community. As always, we thank townships, villages and city for your support of our department. Your contributions help us provide the services described in this report. If you ever have specific concerns, please feel free to contact us!

Sincerely,

The Mercer County Health District Staff
MCHD OPERATING BUDGET

The Mercer County Health District’s Fiscal Specialist is responsible for accounting, budget, accounts payable, and purchasing. The department also provides a variety of financial, reporting, and decision support services to management staff. The annual budget for Mercer County Health District is just over $2 million and the main revenue stream is from services offered to the community as well as Federal, State and County/Local dollars and grants.

Accounting HIGHLIGHTS

- Our 2017-2018 Fiscal Year End Audit will be completed by the State Auditor’s Office
- The 2018 Year-End Annual Financial Report was submitted to the State Auditor and will be submitted to the Ohio Department of Health according to ORC Guidelines by the May 1 Deadline
- The Projected 2020 Budget was approved at the March Board of Health Meeting

2019 Estimated Budget

Revenue

$1,982,697

Expenditure

$2,390,935

Political Subdivisions 2019 Contributions

- Celina, $65,010, 22%
- 8 Corporations, $49,558, 17%
- 14 Townships, $180,932, 61%

$295,500

Used to Fund:

- Insurance
- Cost of Living
## Amounts to be withheld from political subdivisions for Health Department Services

<table>
<thead>
<tr>
<th>Townships</th>
<th>Valuation</th>
<th>Percent of Total Valuation</th>
<th>Total To Be Withheld</th>
<th>Feb-19 Settlement</th>
<th>Aug-19 Settlement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blackcreek</td>
<td>29,176,860</td>
<td>0.031112</td>
<td>7,170.90</td>
<td>3,585.45</td>
<td>3,585.45</td>
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<tr>
<td>Butler</td>
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<td>7,842.13</td>
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<tr>
<td>Center</td>
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<td>0.041610</td>
<td>9,590.66</td>
<td>4,795.33</td>
<td>4,795.33</td>
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<td>Dublin</td>
<td>36,638,220</td>
<td>0.039068</td>
<td>9,004.70</td>
<td>4,502.35</td>
<td>4,502.35</td>
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<td>Franklin</td>
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<td>Gibson</td>
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<tr>
<td>Granville</td>
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<td>Hopewell</td>
<td>45,399,000</td>
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<td>Jefferson</td>
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<td>Liberty</td>
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<td>Marion</td>
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<tr>
<td>Recovery</td>
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<td>10,340.82</td>
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<td>Washington</td>
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<td>10,472.70</td>
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<td><strong>Total Townships</strong></td>
<td>710,494,380</td>
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<td>174,620.64</td>
<td>87,310.31</td>
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<tr>
<td>Corporations</td>
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<td>Burkettsville</td>
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<td>Ft Recovery</td>
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<td>1,712.80</td>
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<td>St Henry</td>
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<td>27,934.68</td>
<td>27,934.67</td>
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<tr>
<td><strong>Total Corp/Twp</strong></td>
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<td>230,490</td>
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<td>Celina City</td>
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<td>65,010.00</td>
<td>32,505.00</td>
<td>32,505.00</td>
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<tr>
<td><strong>Grand Total</strong></td>
<td>1,106,070,680</td>
<td></td>
<td>295,500</td>
<td>147,750</td>
<td>147,750</td>
</tr>
</tbody>
</table>
FINANCIAL SUMMARY 2018

- The carryover balance into 2019 was $853,798.89

Expenditures

- Personnel: 47%
- Supplies: 42%
- Contract Services: 6%
- Intergovernmental: 5%

Total: $2.11 Million

2018 Expenditures

- Personnel: $986,445
- Materials/Supplies: $898,829
- Contract Services: $128,698
- Intergovernmental: $102,034
- Total: $2,116,006

Revenue

- Grants: $152,719
- Fees and Charges: $1,612,017
- Contract Services: $93,047
- Local Support: $295,500
- Total: $2,153,283

- Fees and Charges: 75%
- Local Support: 14%
- Grants: 7%
- Contract Services: 4%
VITAL STATISTICS

- 2,072 Certified Birth Certificates
- 1,151 Certified Death Certificates
- 88 Burial Permits Issued

**Top 5 Leading Causes of Death**
1. Heart Disease (168)
2. Cancer (55)
3. Respiratory Failure (16)
4. Congestive Heart Failure (11)
5. Pneumonia & Aspiration (11)

**Causes of Death Ruled as Accidental**
- Work Related (1)
- Vehicular (3)
- Multiple Drug Intoxication (3)
- Ruled as Suicide (5)
  - (3) Males
  - (2) Females
  - Average Age of 66

**Birth Registration by Mother’s Residence**
- Mercer, 305, 83%
- Darke, 32, 9%
- Auglaize, 19, 5%
- Shelby, 1, 0.5%
- Van Wert, 4, 1%
- Outside Ohio, 1, 0.5%
- Jay County, 5, 1%

**367 Births**
- 186 Males
- 181 Females

**181**
**Female Babies**
2018 Summary of Prominent Activities

Throughout the year, routine inspections that are required by state regulations, such as food service inspections, water well and septic system permitting and inspections, nuisance investigations, solid waste inspections, and rabies prevention activities keep the Environmental Health Division busy. This document will highlight those activities that went beyond the routine or stand out as more newsworthy topics.

New Employee Spotlight

The Division hired Jane Olding in March to fill the vacant, part-time sanitarian position that had been open since the fall of 2018. Ms. Olding began as a 2-day per week Sanitarian-in-Training – focusing on food facility inspections. Later in the year, she picked up 2 more days and is now considered full time, but working 4 days per week. She is gaining some good experience and is planning on taking the state exam to hopefully become a Registered Sanitarian in 2019.

- **Dumpsterman Container Service enforcement case**
  In February 2018, the case came to a close with the complete clean-up of the Staeger Road site. Much thanks goes to the Mercer County Prosecuting Attorney’s Office as well as the Ohio Attorney General's Office and Ohio EPA for their much needed assistance in bringing about this successful conclusion.

- **State Surveys**
  During 2018, the ODH performed the mandatory survey of our Swimming Pool program, which is required to be surveyed annually; and the Private Water Systems program, which is required to be surveyed every 3 years. Both surveys resulted in a verbal approval of the continued administration of these programs, with final, written reports being awaited. Also, the Ohio EPA performed the mandatory annual survey of the Solid Waste program, and we were found to be administering this program in a satisfactory manner. During these surveys, the department is analyzed for proper inspection methods, proper licensing procedures, and meeting the minimum inspection frequencies set forth by state regulations.

- **Radon Grant**
  In 2018, the Health Department continued with the grant contract with Union County Health Department to promote radon testing in
homes in Mercer County and to distribute education to realtors, builders, schools and low income units. Under the grant contract Mercer County was tasked with coordinating these efforts in Mercer, Shelby and Auglaize Counties. Shelby and Auglaize County Health Departments participated by completing activities and reporting these to Mercer County.

- **Food Safety Program**
The Health Department continued efforts in 2018 reminding and prompting food service operators regarding the state regulation requiring all Risk category 3 & 4 facilities to obtain 15 hours of food safety training certification. Through the continued efforts, we have increased compliance with this requirement from the previous 50% of facilities to roughly 75% at the time of the writing of this report. The Health Department offered proctoring services on a monthly basis, except for the summer months, for those individuals completing coursework on-line who needed to complete the written exam. Also, Tri-Star began offering classroom courses to help operators obtain compliance, which contributed to the positive improvement. In September, the state updated the standard food inspection report, which changed the way inspections are documented and furthermore, how inspections are approached. The new form requires more scrutiny to areas of the Food Code such as documentation of employee training; and more discussion between the inspector and operator regarding processes and menus.

### INSPECTIONS & INVESTIGATIONS

<table>
<thead>
<tr>
<th>Category</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Food and Beverage</td>
<td>662</td>
</tr>
<tr>
<td>Water Tests/Inspections</td>
<td>248</td>
</tr>
<tr>
<td>Public and Private</td>
<td></td>
</tr>
<tr>
<td>Campgrounds &amp;</td>
<td>40</td>
</tr>
<tr>
<td>Manufactured Home</td>
<td></td>
</tr>
<tr>
<td>Parks</td>
<td></td>
</tr>
<tr>
<td>Pool &amp; Spa</td>
<td>34</td>
</tr>
<tr>
<td>Nuisances</td>
<td>57</td>
</tr>
<tr>
<td>Animal Bites</td>
<td>47</td>
</tr>
<tr>
<td>Septic/Other</td>
<td>151</td>
</tr>
</tbody>
</table>
EMERGENCY RESPONSE DIVISION

During the past year, MCHD has participated in three emergency exercises. All three exercises provided us and the partner agencies with valuable experience in working through the challenges of such events and the opportunity to work together to strengthen bonds and cooperation so that if a real event would occur, we will be better able to respond quickly and effectively together.

The Medical Reserve Corps was active in the exercises mentioned above and also did some self-promoting at the Mercer Healthy Living Expo in March and the Mercer County Fair. In 2018, semi-annual MRC meetings were held. The Mercer County Health District, MRC, along with Mercer County EMA and other partners, conducted the 11th Annual Drive-Thru Flu Clinic in October. Nearly 600 flu shots were given in one day through the efforts of over 70 staff and volunteers.

The Mercer County Healthcare Disaster Planning Coalition (MCHDPC) is a voluntary group chaired by the Mercer County Health District, Mercer County EMA and Mercer Health Hospital. The coalition invites all agencies in Mercer County that provide or support healthcare to attend the quarterly meetings. The goal of the MCHDPC is to maximize healthcare response capabilities and minimize healthcare system interruption during emergencies by planning together to identify and fill gaps.

All of these events provide the Emergency Response Division with opportunities to fine-tune our practices and policies to better provide for the health and well-being of everyone in Mercer County.

# of Flu Shots given at the Drive-Thru Flu Clinic: 587
HEALTH SERVICES: Preventing Illness, Promoting Healthy Living

Immunizations

16,154 Vaccines Administered Protecting Against 18 Life Threatening Diseases
Diphtheria, Tetanus, Pertussis, Hepatitis B, Hepatitis A, Haemophilus, Pneumococcal, Measles, Mumps, Rubella, chickenpox, Shingles, Influenza, Rotavirus, Polio, Meningococcal ACWY, Meningococcal B and Human Papillomavirus

<table>
<thead>
<tr>
<th>Year</th>
<th>MCHD Purchased Vaccine</th>
<th>Federally Funded Vaccine</th>
<th>Total Vaccines Administered</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018</td>
<td>11,633</td>
<td>4,521</td>
<td>16,154</td>
</tr>
<tr>
<td>2017</td>
<td>10,926</td>
<td>4,358</td>
<td>15,284</td>
</tr>
<tr>
<td>2016</td>
<td>11,722</td>
<td>4,710</td>
<td>16,432</td>
</tr>
</tbody>
</table>

In 2018, Ohio reported 1,693 cases of Hepatitis A which is vaccine preventable.

3,335 Children Vaccinated
2,380, 71% had Private Health Insurance
955, 29% were Eligible for VFC
738, 77% - Medicaid
170, 18% - Not Insured
47, 5% - Underinsured

1,695 Adults Vaccinated
4% Federally Funded Adult Vaccine Program
96% Health Insurance - MCHD Purchased Vaccine

*Underinsured is defined as the client who has insurance but it does not cover vaccine Cost. Vaccine cost that goes toward a deductible is not considered underinsured.

Flu Vaccine

2,475 Flu Shots Administered
390 High Dose Administered - 65 years & older

Recent studies have shown that influenza disease is associated with an increase of heart attacks and stroke. Everyone 6 months old and older is recommended to have a flu vaccine.

MCHD Purchased Vaccine Reimbursement

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>The total received from the insurance and personal reimbursement</td>
<td>$981,163.24</td>
</tr>
<tr>
<td>The total vaccine cost</td>
<td>$810,037.20</td>
</tr>
<tr>
<td>The payment over cost of Purchased vaccine</td>
<td>$171,126.04</td>
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</tbody>
</table>

*Please note that the above financial information will change as additional 2018 payments arrive.
School Contracts
In 2018, MCHD maintained school contracts with Fort Recovery and St. Henry Schools for hearing and vision screening.

634 persons screened – 59 referrals

618 persons screened – 82 referrals

Child Passenger Safety
Ohio Buckles Buckeyes is a cooperative program between the ODH, Evenflo, and SafeKids. The money to obtain convertible and boosters seats is generated from traffic seat violations. MCHD has 3 child passenger safety technicians that educated parents and distributed 48 child passenger seats in 2018.

Cribs for Kids
ODH grant provides a pack n play for WIC eligible clients without a safe sleep environment. The grant is obtained by Allen County Public Health and cribs distributed as needed by the MCHD. In 2018, 16 cribs were given to Mercer County families.
Childhood Lead Poisoning

Lead can damage nearly every system in the human body, and has harmful effects on both adults and children. It is a serious environmental public health threat to children in Ohio. The Ohio Healthy Homes and Lead Poisoning Prevention Program (OHHLPPP) addresses the needs of lead-poisoned children from birth through 6 years. The program assists family members, medical care providers and other community members to reduce and prevent lead poisoning. Children under the age of 3 years are at greatest risk for lead poisoning. In 2018, MCHD had 3 children reported with lead levels over 9.

Child Fatality Review

Child deaths are often regarded as an indicator of the health of a community. While mortality data provide us with an overall picture of child deaths (by number and cause), it is from a careful study of each and every child’s death that we can learn how best to respond to a death and how best to prevent another.

Recognizing the need to better understand why children die, the Ohio General Assembly passed Substitute House Bill Number 448 (HB 448) in July, 2000, mandating Child Fatality Review (CFR) Boards in each of Ohio’s counties to review the deaths of children under eighteen years of age.

In 2018, the Mercer County Child Fatality Review Board studied the deaths of 6 children. Four of the children were born premature, one had a medical condition, and one was murdered.
The Ohio Revised Code (ORC) requires that all health care providers and laboratories report various infectious diseases to their local health departments in an effort to protect the community from disease outbreaks. Health department staff ensure proper investigation, education and follow-up on all mandated reportable diseases. In 2018, Mercer County Health District had 333 reportable infectious diseases reported and 6 outbreaks. The various mandated reportable infectious disease cases include, but are not limited to, sexually transmitted diseases, foodborne illnesses, vaccine preventable diseases, vector-borne illnesses and blood borne illnesses. Staff work closely with county residents, schools, hospitals, physicians, community businesses and agencies to prevent the spread of these diseases by providing preventive education, monitoring the spread of the diseases and ensuring that treatment is obtained and completed.

Epidemiology and Surveillance are responsible for monitoring the patterns, causes, and effects of health conditions throughout Mercer County and surrounding areas. The purpose of epidemiologic surveillance is to observe the health status of the community by investigating and containing emerging health issues. The Epidemiology and Communicable Disease staff routinely monitor several electronic databases in order to detect unusual increases of disease in the community. The rates of emergency room visits, over-the-counter pharmaceutical purchases, and school absenteeism within the community are most commonly used for this purpose.

### TOP TEN Reportable Disease Cases

<table>
<thead>
<tr>
<th>Disease Case</th>
<th>Cases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chlamydia infection</td>
<td>73</td>
</tr>
<tr>
<td>Influenza-associated hospitalization</td>
<td>59</td>
</tr>
<tr>
<td>Campylobacteriosis</td>
<td>46</td>
</tr>
<tr>
<td>Hepatitis C</td>
<td>31</td>
</tr>
<tr>
<td>Cryptosporidiosis</td>
<td>29</td>
</tr>
<tr>
<td>Varicella</td>
<td>12</td>
</tr>
<tr>
<td>Gonococcal infection</td>
<td>11</td>
</tr>
<tr>
<td>Salmonellosis</td>
<td>11</td>
</tr>
<tr>
<td>E. coli - enterohemorrhagic</td>
<td>9</td>
</tr>
<tr>
<td>Yersiniosis</td>
<td>8</td>
</tr>
</tbody>
</table>

Total Reported in 2018: 333

### Outbreaks

- Salmonella (1)
- Norovirus (2)
- Cryptosporidium (1)
- Scabies (1)
- E.coli (1)
CMH is a program provided by the Ohio Department of Health (ODH) that helps ensure quality healthcare for children with certain eligible health conditions. In some cases, it is secondary to the family’s primary insurance and in others, it is the only coverage these children have. Each county has a designated Public Health Nurse to monitor and facilitate coverage of eligible children that reside in that particular county. This is done through phone, email, home visit or whatever preferred method of contact is convenient for the family.

280

**Total CMH Cases**
- Treatment Cases
- Diagnostic Cases
- Service Coordination Cases

**2018 CMH Claims Paid by ODH**

$43,320

**A Few CMH Covered Conditions**
- Cystic Fibrosis (CF)
- Cleft Lip/Palate
- Cerebral Palsy
- Ashtma
- Epilepsy
- Cancer
- Hearing Loss
- Type 1 Diabetes

“As a mother of 2 children with very involved special needs the BCMH program is a safety net from their primary insurance. We would not be able to afford to take care of our kid’s medical needs properly without the BCMH program. It essentially keeps our kids alive.”

- When Governor Kasich proposed changes and budget cuts to CMH, parents spoke up and took initiative to save the program for their children -
MCHD staff continued working toward compliance with the Ohio public health accreditation mandate throughout 2019. Although we didn’t meet our target document submission date of December 15, 2018, we were able to submit our documentation to the Public Health Accreditation Board (PHAB) on February 14, 2019, six days before the actual deadline.

Over the next few months, trained PHAB site visitors will be reviewing our 300+ documents to determine compliance with the PHAB Standards and Measures. After this review process is complete, the site visit team consisting of three site visitors (public health professionals from other states) and an accreditation specialist employed by PHAB will conduct an in-person site visit at Mercer County Health District. Interviews will be conducted with various groups of health department staff, community partners and board of health members. This site visit is currently projected to take place in October or November of this year. Within 2-3 months after the site visit, the PHAB Board will decide whether we will become accredited. If all goes well, we should comfortably wrap up the process well before the July 2020 deadline established by the Ohio legislature.