



Health Commissioner / Medical Director Report

Public Health - Dayton & Montgomery County

September 7, 2016

This report provides a monthly update for the Board of Health, staff and the community. Our key activities are listed for the seven pillars that support our vision for improving the health of our community.

- Prevent the spread of disease
 - Protect against health threats
 - Promote healthy behaviors
 - Reach out to vulnerable populations
 - Mobilize community action through partnerships
 - Prepare for and respond to public health emergencies
 - Serve as a public health information resource
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Special items

Expansion of Services for Opioid Continuum of Care

On August 9, Montgomery County Commissioners, Montgomery County Alcohol, Drug Addiction and Mental Health Services (ADAMHS) and Public Health announced new and expanded services for heroin and other opioid addictions. These expanded services align with the goals and objectives for behavioral health improvement outlined in our Community Health Improvement Plan and include:

- New Ambulatory Withdrawal Management Services through Samaritan Behavioral Health, Inc. launched on August 1. It includes 10-day ambulatory withdrawal management for up to 20 people per week (1,040 annually. Ambulatory withdrawal management is an outpatient detoxification program that can be provided in an office setting, a healthcare facility or a patient's home).
- A new, 24/7 CrisisCare program expansion offering people rescued by Narcan from an opioid overdose immediate entry to treatment if they so choose. Secure transport/transfer from a hospital to CrisisCare will be provided. CrisisCare will complete a screening and then make an immediate treatment referral.
- Doubling the number of residential withdrawal management beds through Nova Behavioral Health. Annually, this equates to access for 720 people to complete a typical 7-day residential program. In January, the total number of beds will increase to 12, making withdrawal management in a residential setting available to over 1,000 people annually.
- A new partnership to provide recovery housing for between 16 to 32 pregnant women, depending on length of stay.

- Expanded access for inmates in the Montgomery County Jail already involved with an ADAMHS agency for addiction and mental health treatment. All inmates are assessed upon intake into the jail. If they are currently under treatment for addiction and mental health issues, that treatment can continue while they are jailed with those services being funded by ADAMHS.

- ADAMHS will also partner with Public Health's Addiction Services Program to create a multi-disciplinary, community-based team to provide substance use disorder treatment and supportive services to individuals in their homes and the community as an alternative to inpatient/residential treatment.

Funding for this enhanced continuum of care is over \$3.3 million. Some of the services are already underway and others will be phased in throughout the coming months. Funds for this expansion of services are being provided by the Montgomery County Human Services Levy.

Prevent the spread of diseases

Back to School Vaccination Clinics Protect Kids and Help Parents

In response to a new state law requiring all students to be vaccinated against meningitis prior to entering the 7th and 12th grade, Public Health staff held two special vaccination clinics. Students were given the meningococcal (MCV4) vaccine, as well as Tdap (tetanus, diphtheria and pertussis) which is required for students entering 7th grade, and the meningococcal vaccine is mandatory (starting this year) for students entering 12th grade.

The first clinic was held on August 16 at Fairhaven Church on the border of Centerville and Kettering. There were a total of 119 students that received either one or both of the vaccines based on what they required. The second clinic was held at the Reibold building on August 18 with an additional 115 students being vaccinated on that day. The total for the two clinics was 234 students receiving the mandatory vaccinations.

Roughly 30 Public Health staff members supported the two clinics. Positive feedback was received from multiple patrons as they exited both locations. Emergency Preparedness staff will be generating an after-action report and improvement plan addressing strengths and areas for improvement for future clinics.

Local Investigations

Gastrointestinal (GI) illness continues to account for a majority of Communicable Disease Reporting nurses' investigations. Through August 19 there have been multiple reports of GI illness, many with travel during the exposure period. There were 3 reports of *Campylobacter* - ages from 10 years to 62 years old; one of these individuals was out of the country and another was at a farm in Greene County. There were 5 reports of *Cryptosporidium* - ages 6 to 37 years old, one case associated with the Zoombezi Bay outbreak in Delaware County, one individual traveled to Hamilton County, and two others were in Georgia and North Carolina. All cases had exposure to recreational water in some form (pool, river, ocean or water park). There were 2 reports of *Giardia* - ages 30 to 59 years old; one individual was at a lake in Tennessee, then went to Ireland. There was 1 report of *E. coli* in a 36 year old that had traveled to Hocking County. There was 1 report of *Salmonella* in a 3 year old. None of the reported GI cases were employed in sensitive occupations or attended schools or day care facilities at the time of interview.

There were 2 cases of Zika virus infection confirmed as positive in Montgomery County. Both of these cases had recently traveled to Zika-affected countries, were symptomatic and neither case was pregnant at the time of testing.

Protect against health threats

Source Water Protection Program Updates Pursued

Environmental Health's Source Water Protection Program staff has been active on multiple fronts to assist in implementing the revised protection provisions adopted by the City of Dayton in 2015. Following the City's adoption of an updated protection area map and additional protection provisions, EH staff has been assisting Dayton and the neighboring jurisdictions in the process of transition.

EH Staff has participated in the following:

- Vetting a new inspection protocol designed to gather more detailed information about a business's chemical contamination risks;
- Accompanying Dayton staff on trial inspections using the new protocol;
- Conducting field surveys of areas on the revised maps to develop updated business lists for the non-Dayton jurisdictional partners.

Staff has also participated in meetings with Dayton staff and officials from Harrison Township, Riverside, Huber Heights and Vandalia to discuss the importance of returning the Program to multi-jurisdictional consistency. Currently, the outer jurisdictions are still regulating businesses under the previous standards in protection areas as shown on the outdated maps. Separate meetings were held from May through August with representatives of each jurisdiction urging action to update their respective source water protection ordinances.

Jurisdictional partners have agreed to pursue the process of revising their local ordinances. Several requested further EH staff assistance with informing their respective trustees or council members when proposed revisions are presented and considered.

Private Water System Program Surveyed By ODH

Representatives of the Ohio Department of Health's Residential Water and Sewage Program visited the Environmental Health offices on August 15 and 16 to conduct a survey of our Private Water System Program. Although surveys are to be conducted every three years, ODH has fallen behind in recent years and the local program had not been surveyed since 2008. The survey involved both office review of permits and documentation, plus field visits with program sanitarians while conducting inspections.

In the post survey interview the survey officer found few deficiencies to note in the local program, representing a modest improvement over the last survey. The survey officer complimented staff on the good rapport sanitarians demonstrated with local contractors, and the prompt, efficient receipt and processing of required documents. Program field staff members are to be commended for their successful efforts to attain an improved assessment. The full survey report is expected to be issued within a month.

Public Health Licensing Council

The Public Health Licensing Council's (PHLC) annual meeting was held August 25. The Council meets annually for the purposes of approving our Environmental Health program license fees. The Public Health Licensing Council is comprised of business representatives of the various programs that EH inspects; restaurants, grocery stores, pools, and campgrounds along with a person representing the solid waste industry. This Council is part of a system of checks and balances as it pertains to setting fees for the various program licenses and permits.

Environmental Health uses calculation formulas that are mandated and provided by the Ohio Department of Health and the Ohio Department of Agriculture to determine maximum allowable license fees for the upcoming year. Once the PHLC approves or finalizes any fee recommendations, the changes are presented at an upcoming Board of Health meeting for public comment. The PHLC also is tasked with appointing one of its members to the Board of Health. Ken Spires was elected as representative of the PHLC for the Board of Health for another term.

Promote healthy behaviors

WIC Farmers' Market Nutrition Program Celebrates A Successful Year

August 7-13 was declared National Farmers' Market Week by the U.S. Department of Agriculture. This year marks the 17th annual celebration honoring the important role that Farmers' Markets play in local economies. The WIC Program distributed Farmers' Market coupon books worth \$20 each to 787 participants during the last two weeks of July and the first two weeks of August at the Shiloh Church, 2nd Street and West Carrollton Farmers' Markets. The program, which is federally funded, seeks to increase the fruit and vegetable consumption of WIC participants each summer to promote better overall health. Families that may not otherwise have an opportunity to experience the Farmers' Markets and the ability to purchase locally grown produce expressed their delight over the program to several WIC staff members at the markets. Nutrition education was also provided to participants while shopping at the markets. Participating contracted farmers will be reimbursed at full value for each coupon sent in for processing. The program also benefits communities by supporting the Farmers' Markets and helping to revitalize downtown areas. It is truly a win-win situation for all involved.

Breastfeeding Awareness Celebrated in August

In August, the WIC program celebrated Breastfeeding Awareness with this year's theme: *Breastfeeding Protects: Mom Baby and Earth.*

Protects the Mom

- Reduces the risk of cervical cancer by completing the reproductive cycle
- Regulates the mother's mood by releasing hormones that connect mom to baby
- Making breast milk burns calories

Protects the Baby

- Reduces the risk of sudden infant death syndrome
- Protects against allergies, asthma, obesity, ear and respiratory infections
- Protects baby from formula recalls

Protects the Earth

- Reduces the amount of trash in landfills
- Requires no water, electricity or money
- Physically and emotionally healthy people make a better world

The WIC Breastfeeding staff completed several outreach opportunities by sharing WIC and breastfeeding support information throughout the community. Information was shared at local day care centers about human milk and supporting breastfeeding moms and babies, and physician offices are also being given updated WIC brochures and breastfeeding information to share with their patients. Melissa Courts, IBCLC, was interviewed on Softrock 92.9 radio. Once again, WIC has been distributing a “Breastfeeding Welcome Here Decal” to interested local businesses. To receive a decal to share with a local business, please call 225-5502.

Mobilize community action through partnerships

Violence Prevention Program – National Night Out Against Crime Celebration

Public Health’s 17th Annual National Night Out Against Crime Celebration was held at Residence Park playground on August 2 from 4 to 8 p.m. The celebration was a collaboration of the Residence Park Neighborhood Association, Buckeye Health Plan, Meijer, Victory in Power Ministries, Southwest Priority Board, Montgomery County Sheriff’s Office, City of Dayton, Dayton Access TV and Public Health.

The event included visits from Mayor Nan Whaley and City Commissioners Joey Williams, Jeffery Mims, and Chris Shaw, along with other top local officials. Dayton Police Chief Richard Biehl and representatives from law enforcement were well received, bringing a SWAT vehicle for the young people to tour and inspect. Each year, the SWAT vehicle continues to be a crowd favorite.

Mayor Whaley addressed the theme, *We Are in This Together*, emphasizing the importance of reducing violence and crime in the Dayton community. Health screenings, education, music, praise dancing, face and hand painting, and food were provided. Special entertainment and inspiration were provided by the Victory in Power Ministries. Over 250 participants enjoyed this Violence Prevention Program family event. The celebration received media coverage from Channels 2, 7, and 22/45.

Prepare for and respond to PH emergencies

Zika Activity

In May 2015, the World Health Organization reported the first local transmission of Zika virus in the Western Hemisphere (in Brazil). In November, a possible association between Zika and microcephaly was reported. On January 15, 2016 the CDC began requesting providers report suspected Zika virus disease. Through Aug 24, there have been 2517 cases reported in the U.S. (33 in Ohio); of these, 2487 were travel-associated and 29 were locally acquired vector-borne cases (all in Florida). There was one additional case acquired through laboratory exposure. Through the U.S. Zika Pregnancy Registry, there have been 584 pregnant women with laboratory evidence of possible Zika virus infection. Through Aug 14, there have been 16 live born infants with Zika-related birth

defects and 5 pregnancy losses with birth defects. The first cases of local transmission via mosquitos identified in Florida occurred in the Miami area in late June/early July. As of Aug 26, there are 2 areas of active local transmission – both are in the Miami area. There are ongoing investigations (possible local transmission) in two other Florida counties (Pinella and Palm Beach).

Serve as a public health information resource

Bacteria in Smokeless Tobacco Products a Health Concern

Several species of bacteria found in smokeless tobacco products have been associated with opportunistic infections, according to a paper published in August. *Bacillus licheniformis* and *Bacillus pumilus* could potentially cause opportunistic infections, and other *Bacillus* species have been identified as causative agents in outbreaks of diarrhea and vomiting. A further danger is that several species of *Bacillus* can reduce nitrates to nitrites, which can potentially lead to formation of carcinogens.

Part of the concern over microbial risk from smokeless tobacco products stems from the fact that users typically hold these products in their mouths for extended periods of time, providing an opportunity for the user to be exposed to bacteria present in the product. Users often have problems with gingivitis and other oral health issues that are caused by the smokeless tobacco products. An estimated 8 million people use smokeless tobacco products in the US. This research will provide useful information regarding the US Food and Drug Administration's regulatory decision-making around smokeless tobacco products. (From *Applied and Environmental Microbiology*, published online 26 August 2016)

EpiPen Pricing Leads to Congress Investigation

Since 2009, Mylan has increased the price of EpiPen, a lifesaving allergy treatment, 15 times. The list price on a two-pack of EpiPens is \$609, up 400% from seven years ago. The national outrage this month, sparked by a social media campaign by parents, has forced Mylan to respond by taking the unusual step of launching a generic version of EpiPen at a 50% discount, as well as other moves to make the treatment more affordable. Despite those efforts, Congress is now investigating Mylan. The powerful House Oversight Committee sent a letter to the Mylan CEO requesting documents from the company about EpiPen. In November 2015, Mylan raised EpiPen prices by 15% (for the 14th time since 2009). The hike came just a month after the drug's main rival, Auvi-Q, was pulled off the market (due to production problems). Six months later, the company increased prices again, by another 15%. Ever since Mylan started raising EpiPen prices in 2009, the profit margin of the Mylan division that sells the drug has quadrupled, according to Wells Fargo's analysis of corporate filings. Mylan's defenders note that the \$609 list price of EpiPen may get all of the attention, but most consumers don't actually pay that. Even before Mylan's recent cost-cutting moves, the company has indicated that 80% of its prescriptions translate to \$0 out-of-pocket expenses. Just 4% of EpiPen prescriptions actually led to \$600 or more in out-of-pocket expenses, according to an independent analysis. However, that still translates to 150,000 prescriptions at the full price.

Mass Media Interactions

During the past few weeks, we have had numerous contacts with TV, radio, and print.

The following are a few examples:

- News Release on Breastfeeding Awareness Month
- Interview with Dayton Business Journal about renovation of Addiction Services and MAT Program
- Interview with DDN about Zika
- Interview with DDN about CarePoint expansion
- Interview with Channel 22/45 about National Immunization Month
- Interview with Channel 7 about CarePoint Syringe Services
- Interview with Channel 2 about Zika Update
- Interview with Channel 2 about required immunizations
- Coverage from Channels 2, 7, 22/45 on National Night Out Against Crime
- Interview with Soft Rock 92.9 about National Immunization Month
- Interview with Soft Rock 92.9 about National Breastfeeding Month
- Interview with Channel 2 about medical marijuana
- Interview with Channel 2 about Zika traps
- Interview on WHIO Reports about Addiction Services
- Interview with Channel 2 about back to school immunizations
- Coverage from Channels 2, 7, 22/45 on Continuum of Care press conference
- Interview with DDN about Layer Park and illegal dump site cleanup in West Carrollton
- News Release on Public Health's Meningitis Vaccination Clinics
- Coverage from Channels 2, 7, 22/45 and DDN on Public Health's Meningitis Vaccination Clinics
- Interview with Channel 2 about Crypto outbreak
- Interview with Channel 2 about bedbugs in schools and hotels
- Interview with Channel 2 about Superlice
- News Release on the Montgomery County Poison Death Review
- Interviews with Channels 2, 7, 22/45 about the Montgomery County Poison Death Review
- Interview with Living Dayton about lice and back to school health
- Coverage from DDN on restaurant inspections
- Coverage from WYSO on the Montgomery County Poison Death Review
- Interview with WCSU radio about minority health issues
- Interview with Living Dayton about new rules for daily sugar intake for children
- News Release on CDC warning concerning illicit fentanyl

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