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     - Public Facilities Program
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   - Education and Outreach
     - Urban Heat Island
     - Radon Program
   - Mitigating Harmful Exposures in the Environment
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   - Community Conversations Initiative
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   - Strategic Planning
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   - Customer Service Training
   - Lunch and Learn

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   - Diabetes Prevention and Control Program
   - Healthy Hometown Mini Grants
   - Tobacco Cessation Program
   - Senior Medicare Patrol
   - Maternal and Child Health
     - Breastfeeding Program
     - Cycles for Kids Program
     - Healthy Babies Louisville
     - Healthy Start
     - WIC
   - MORE Center
   - Syringe Exchange Program

3. COMMUNITY HEALTH AND PREVENTION
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   - Diabetes Prevention and Control Program
   - Healthy Hometown Mini Grants
   - Tobacco Cessation Program
   - Senior Medicare Patrol
   - Maternal and Child Health
     - Breastfeeding Program
     - Cycles for Kids Program
     - Healthy Babies Louisville
     - Healthy Start
     - WIC

2. CLINICAL SERVICES
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   - Office of Vaccines and Immunizations
   - LMPHW Laboratory
   - Office of Communicable Disease
   - Tuberculosis Control Program and Clinic
   - Specialty Clinic
   - MORE Center
   - Syringe Exchange Program

1. INTRODUCTION

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CONTENTS
Dear Friends of Public Health,

This year marks the 150th anniversary of public health in Louisville. The city’s first Board of Health was established in 1866.

The Department of Public Health and Wellness continues to work to create a healthier Louisville in which everyone has the best possible opportunity to lead a healthy and productive life. To achieve this, we offer a myriad of services and programs. We perform more than 10,000 inspections and investigations each year at Louisville restaurants and events like the Kentucky State Fair and the Kentucky Derby. We provide free stop-smoking classes for those wanting to quit. We work to enact health policies that improve the health of all Louisville residents. We also act as a convener and facilitator to bring all sections of the community together to work to improve health outcomes.

During and leading up to fiscal year 2016 the department also responded to new challenges:

- In June 2015, we established Kentucky’s first Syringe Exchange Program to protect the community from an outbreak of HIV and hepatitis C spread by those who inject drugs. Such an outbreak in Austin, Indiana, just 30 miles from Louisville, saw more than 180 new HIV cases and more than 150 new hepatitis C cases. In a city the size of Louisville that could have led to more than 31,600 new HIV cases and 27,100 new hepatitis C cases. Louisville’s syringe exchange has prevented that from happening.

- In January, we worked with 13 health and social service community partners to form Healthy Babies Louisville, a coalition to improve infant health. The coalition’s early successes included reinstating the Fetal and Infant Mortality Review Board to investigate the causes of fetal and infant deaths and increase referrals to prenatal and perinatal services.

- In March we became the only health department in Kentucky with the ability to test mosquitoes for Zika when we purchased new, real-time PCR cycling equipment for our public health lab.

- In May 2016, Public Health and Wellness hosted its site visit for Public Health Accreditation Board accreditation after an exhaustive two year application process. In August we received the great news, that we indeed had achieved accreditation.

As we look toward the next 150 years, the Louisville Metro Department of Public Health and Wellness will continue to promote health and wellness; prevent disease, illness, and injury; and work to improve the health of all those we serve.

Sincerely,

Joann Schulte, DO, MPH
Director
1. INTRODUCTION

ANNUAL REPORT

The city of Louisville has had a formal health official, board, and/or department since 1866, making the Louisville Metro Department of Public Health and Wellness (LMPHW) one of the oldest health departments in the country. LMPHW is an independent health department under the leadership of Dr. Joann Schulte. It operates as part of the Executive Branch of Louisville Metro Government and reports to the Louisville Metro Council. The Louisville Metro Board of Health serves in an advisory capacity to LMPHW. In the early 1800’s, the health authority’s main functions involved rodent control and disease prevention. Today, the department delivers programs and services through multiple divisions to ensure completion of our mission and vision. All information included in this report represents accomplishments and services delivered in fiscal year 2016 (ending June 30, 2016).

OUR MISSION

Promote health and wellness; prevent disease, illness, and injury; and protect the health and safety of Louisville Metro residents and visitors.

OUR VISION

Create a healthy Metro Louisville by decreasing disease and death, eliminating disparities in health and healthcare, and giving everyone the chance to live a healthy life.

1. Create a Culture of Health and Wellness throughout Louisville
2. Continue to Focus on the Social Determinants of Health and Health Equity
3. Strengthen Public-Private Partnerships
4. Increase Connections between Public Health and Clinical Medicine
5. Implement an Outcomes-driven Approach to Program and Policy Development
The Clinical Services division diagnoses and investigates health problems in the community in order to prevent disease, promote individual and population health, and protect the health of Louisville Metro residents and visitors. We also connect people to appropriate healthcare resources.

**Health Educators**

Our clinical service educators work to teach people about health-related issues, particularly focusing on HIV and hepatitis C.

**Office of Vaccines and Immunizations**

Vaccines stimulate the human body to produce antibodies against specific diseases which then prevent disease. During the 20th century, many diseases such as polio, tetanus, smallpox, and diphtheria have been conquered through vaccination. The Office of Vaccines and Immunizations provides needed vaccines to under-insured and un-insured children and adults who are unable to get in to see their primary care providers.
LMPHW Laboratory
The LMPHW Laboratory supports the health department’s mission to by providing timely and accurate test results for numerous and varied clients. By focusing on community-oriented efforts, the lab is able to work with its customers and partners to control and prevent disease in Louisville Metro. The laboratory has acquired new testing equipment and has successfully transitioned to a new method of screening mosquitoes for West Nile and Zika Viruses. In addition, a new testing method for tuberculosis will be implemented.

<table>
<thead>
<tr>
<th>FY 15-16: July 1, 2015 - July 30, 2016</th>
<th>Number Of Tests Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead</td>
<td>6,183</td>
</tr>
<tr>
<td>Chlamydia/Gonorrhea</td>
<td>33,506</td>
</tr>
<tr>
<td>Syphilis</td>
<td>8,226</td>
</tr>
<tr>
<td>Syphilis Confirmation (FTA)</td>
<td>200</td>
</tr>
<tr>
<td>Drugs of Abuse</td>
<td>119,492</td>
</tr>
<tr>
<td>Tuberculosis (MTB/RIF Nested PCR)</td>
<td>39</td>
</tr>
<tr>
<td>Swimming Pools</td>
<td>6,927</td>
</tr>
<tr>
<td>West Nile Virus (PCR)</td>
<td>300</td>
</tr>
<tr>
<td>Urinalysis (Dip Stick)</td>
<td>61</td>
</tr>
<tr>
<td>Herpes</td>
<td>117</td>
</tr>
<tr>
<td>Fecal Immunochemical Test (Colon Cancer)</td>
<td>45</td>
</tr>
<tr>
<td><strong>Total Analysis</strong></td>
<td><strong>175,096</strong></td>
</tr>
</tbody>
</table>
Office of Communicable Disease

Area providers are required by state law to report more than 60 specific communicable diseases such as TB, flu, e. coli, whooping cough, and salmonella to name a few. The Office of Communicable Disease (CD) is charged with monitoring, tracking, and investigating these reports.

<table>
<thead>
<tr>
<th>Communicable Disease Name</th>
<th>Provisionally Confirmed Case Count</th>
<th>Communicable Disease Name</th>
<th>Provisionally Confirmed Case Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Campylobacteriosis</td>
<td>41</td>
<td>Mumps</td>
<td>4</td>
</tr>
<tr>
<td>Chikungunya Virus Infection</td>
<td>1</td>
<td>Neisseria Meningitdis, Invasive (Mening. disease)</td>
<td>1</td>
</tr>
<tr>
<td>Cryptosporidiosis</td>
<td>3</td>
<td>Pertussis</td>
<td>37</td>
</tr>
<tr>
<td>Ehrlichiosis, chaffeensis</td>
<td>2</td>
<td>Rubies, animal</td>
<td>2</td>
</tr>
<tr>
<td>Haemophilus influenzae, Invasive</td>
<td>17</td>
<td>Rubies, PEP</td>
<td>43</td>
</tr>
<tr>
<td>Hepatitis A, acute</td>
<td>2</td>
<td>Salmonellosis</td>
<td>63</td>
</tr>
<tr>
<td>Hepatitis B, acute</td>
<td>13</td>
<td>Shiga toxin-producing Escherichia Coli (STEC)</td>
<td>7</td>
</tr>
<tr>
<td>Hepatitis C, acute</td>
<td>7</td>
<td>Shigellosis</td>
<td>58</td>
</tr>
<tr>
<td>Histoplasmosis</td>
<td>4</td>
<td>Streptococcal toxic-shock syndrome</td>
<td>1</td>
</tr>
<tr>
<td>Influenza, human isolates</td>
<td>324</td>
<td>Streptococcus pneumoniae invasive disease (IPD)</td>
<td>69</td>
</tr>
<tr>
<td>Legioneliosis</td>
<td>7</td>
<td>Typhoid fever (Salmonella typhi)</td>
<td>2</td>
</tr>
<tr>
<td>Lyme disease</td>
<td>1</td>
<td>West Nile Fever</td>
<td>3</td>
</tr>
<tr>
<td>Malaria</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>713</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The TB Clinic provided diagnostic and treatment services for Louisville Metro and six surrounding counties in order to eliminate TB in our area. The TB Clinic also treats latent TB in children, does TB testing in the community, and performs surveillance and investigations on all suspected cases of TB in Louisville Metro and surrounding counties.

Tuberculosis Control Program and Clinic

Tuberculosis (TB) is an airborne disease caused by *Mycobacterium tuberculosis*, which primarily affects the lungs. Once infected with TB, most people’s immune systems can stop the infection from growing and the TB germ is rendered inactive. If the immune system cannot stop the infection from growing, the TB germ will proliferate and the person will have active TB, or TB disease.

The LMPHW Tuberculosis Clinic provides diagnostic and treatment services for Louisville Metro and six surrounding counties. The TB Clinic had a total of 6,002 visits from individual patients in 2020.
**Specialty Clinic**
The Specialty Clinic diagnoses and treats sexually transmitted diseases, including syphilis, gonorrhea, chlamydia, genital warts, bacterial vaginosis, herpes, and trichomoniasis. The Specialty Clinic also tests for HIV and hepatitis C.

Specialty Clinic treated

4,127 unique patients over 5,538 total visits

**From client comment cards:**

"You guys do an awesome job and everyone is super nice! Thank you for doing a great job."

"The staff were very understanding and very nice. I felt really comfortable."

**MORE Center**
The Methadone/Opiate Rehabilitation and Education (MORE) Center provides high-quality, evidence-based treatment services to those who struggle with addiction to opioids using a combination of psychosocial counseling and medication. Clients can receive services anywhere from six months to multiple years depending on progress and needs. The MORE Center also works with a women's correctional facility to provide methadone dosing for pregnant female prisoners.

MORE Center served

320 unique clients.
Syringe Exchange Program
The Louisville Metro Syringe Exchange Program (SEP) opened in June 2015 and operates to eliminate the spread of bloodborne diseases such as HIV and hepatitis C among people who inject drugs. The SEP provides education about risks associated with substance abuse, sterile syringes and HIV prevention supplies to program participants and links people to medical and treatment resources.

SEP served

3,865 total participants

1,812 returning

239 were referred to drug treatment

Matt La Rocco, Certified Alcohol and Substance Abuse Counselor
The Community Health and Prevention (CHP) division works collaboratively with community partners to inform, educate, and empower residents regarding health issues. The division also mobilizes community partnerships and actions to identify and solve health problems. This division is home to many programs that change the health outcomes of Louisville Metro residents for the better.

Asthma Program
The LMHW Asthma Program aims to improve asthma health outcomes for all Louisville Metro residents. The program is working in partnership with a local pediatrician and has assembled a multi-sector group of 52 individuals, representing 30 different organizations. The group has developed and administered a community stakeholder survey to assess the impact of asthma in Louisville.
Diabetes Prevention and Control Program

The Diabetes Prevention and Control Program is a community resource for the prevention of diabetes, as well as a resource for the support and self-management of those already diagnosed with diabetes.

1,265

individuals attended a Centers for Disease Control and Prevention (CDC) diabetes prevention program offered by various groups in Louisville Metro.

1,278

individuals attended a diabetes self-management education class offered in Louisville Metro.

Healthy Hometown Mini Grants

Each year, the Mayor’s Healthy Hometown Movement awards small local non-profit organizations with funding to improve the health of their communities and help move the needle on Healthy Louisville 2020 goals. The grants range from $3,000 to $7,500 each and fund activities that support the Healthy Louisville 2020 focus areas of Healthy Homes and Healthy Neighborhoods, Healthy Mothers and Healthy Babies, Safe and Healthy Neighborhoods, Mental and Behavioral Health, Obesity Prevention, Social Determinants of Health, and Substance Abuse Prevention.

Past Healthy Hometown Mini Grant Recipients
Tobacco Cessation Program
Tobacco use is the most preventable cause of disease, disability, and death in America. The American Lung Association Freedom from Smoking Program aims to make Louisville a healthier place to live and work by helping people stop smoking. It is ranked as one of the most effective smoking cessation programs in the country. The program coordinates with its partners to offer free and easy ways to quit smoking through classes, nicotine replacement products, group support, and/or counseling.

Offered 47 smoking cessation classes with 501 participants and 159 graduates. 🎓

704 individuals called the Quit Line at 1-800-QUIT-NOW, a phone line staffed by counselors trained to help smokers quit. They give information, advice, support, and referrals.

Senior Medicare Patrol
The Senior Medicare Patrol (SMP) helps Medicare beneficiaries, their families and caregivers who have questions about billing issues or believe they may be a victim of healthcare fraud or scams. SMP empowers and assists Medicare beneficiaries, their families, and caregivers to prevent, detect, and report health care fraud, errors, and abuse through outreach, counseling, and education.

SMP directly interacted with

4,813 SENIORS
and helped beneficiaries obtain

$28,500 in refunds from providers.
Maternal and Child Health

Breastfeeding Program
With help from five Breastfeeding Peer Counselors and special events like Rock N Relax—a safe space for breastfeeding during the Kentucky State Fair—and celebrations during World Breastfeeding Week, the Breastfeeding Program ensures that all moms have support for breastfeeding. Peer Counselors followed up on 985 referrals, calling WIC moms, providing support at the hospital and via home visits. They also hosted “Mother’s Milk Club” meetings at the Okolona and Iroquois libraries twice monthly, to provide social support, group play, crafts and healthy snacks for local mothers and young children.

Cribs for Kids Program
The LMPHW Cribs for Kids Program aims to work with community partners, including hospitals, health care workers, area churches, and other local programs, to identify families who are unable to provide a safe sleep environment for infant(s) in their homes. Once identified, our program provides the family with a sleep kit including a Pack N Play, safe sleep education, and follow-up services.

The Cribs for Kids Program distributed 88 safe sleep kits.

Healthy Babies Louisville
Healthy Babies Louisville is a collective impact group of 23 organizations focused on reducing infant mortality and improving birth outcomes. Participating organizations include mental and social service organizations, NGOs, hospitals, medical clinics and managed care organizations. Healthy Babies Louisville provides organizational training and guidance and facilitation of policy development to improve the family healthcare system. For 2015-16 partners signed on to adopt and implement policies and practices to: (1) Counsel all mothers and fathers on safe sleep behaviors, ask about the sleep environment planned for the infant, and refer for local Cribs for Kids, as needed; (2) Assess health insurance status of mothers, fathers and babies, and refer, as needed; (3) Assess medical home status of all clients, and refer as needed; and (4) Assess smoking status of all mothers and fathers, and refer to cessation resources.

Dr. Sarah Moyer, Medical Director, and her son, Teddy
Jennifer Bowman, WIC Manager and her son, James celebrates Healthy Babies in Louisville with community partners and Public Health and Wellness staff.
WIC

The WIC program has been helping local families for more than 40 years, demonstrating outcomes like lower chances of delivering low birth weight babies, healthier infants, and a lower incidence of iron deficiency anemia in both infants and children. Anemia can negatively affect a child’s ability to learn, their developmental skills, memory, and ability to fight infection. Four and five year olds whose mothers participated in the program had higher vocabulary scores than their eligible counterparts. All of these benefits improve a child’s school readiness and their chances for success. The LMPHW WIC office manages three of Louisville’s five WIC clinics.

Healthy Start

Healthy Start is a community-based program focused on reducing infant mortality and providing the opportunity for all babies to start out healthy, strong, and ready to learn. Services include home visits, assessments, referrals and teaching. Healthy Start works and through the Bridges of Hope, Northwest and Ujima Neighborhood Places to strengthen families and creates a foundation for optimal infant and young child health and development.

6- Urban Zip Codes
1- Active Healthy Start Consumer Group
1- Male-led Fatherhood Involvement Group
3- Outreach and Education Peer Advisors
11- Home Visiting Staff Members
989- Unique Clients: Women, Infant, Toddlers
254- Deliveries
0- Infant Deaths

The WIC program maintained an average participation of 13,158 moms and children.
4. OFFICE OF COMMUNICATIONS AND COMMUNITY RELATIONS

The main responsibility of this office is to inform and educate the public on important public health issues. We do that through several communication strategies including traditional news media, social media, news blogs and websites, advertising and marketing. We also respond to open records requests and provide customer service through the reception area of LMPHW headquarters. Recently, the communications office has seen intense media interest in emerging issues such as the opioid epidemic, Zika virus, violence prevention and proposed changes to Medicaid in Kentucky.

Dr. Sarah Moyer, Medical Director, leading a press conference

Working with local news media is one of the ways we alert the public to important health issues.
Handles an average of
50 media calls per month.

Processes an average of
16 open records requests
per month.

Reception team handles an average of
178 calls per week.

 Earned media value*
$366,934

*Value of publicity gained by promotional efforts other than advertising

Dr. Sarah Moyer, Medical Director, briefing public on West Nile Virus
5. ENVIRONMENTAL HEALTH AND EMERGENCY PREPAREDNESS

Enforcing Laws

The Environmental Health division enforces regulatory requirements for food establishments (including temporary food establishments at festivals and events), recreational swimming areas and pools, spas, hotels, mobile home and RV parks, sewage disposal systems, septic tank cleaning vehicles, youth camps, tanning facilities and tattoo studios, ear/body piercing facilities. In addition, the department is responsible for training and certifying lifeguards and qualified pool attendants, and issuing facility permits.

The goal of these inspections is to prevent disease outbreaks and to promote safe and hygienic food service practices and to ensure sanitary conditions through education and routine monitoring.

Matt Pryzstal, Environmental Health Specialist
The strategic vision of this program is to comply with the nine voluntary, national, retail food regulatory program standards that are promoted by the FDA.

Food Safety & Protection Program

7,618
regularly scheduled inspections

1,272
food inspection follow-ups

65
emergency responses

138
consultations to open new establishments

484
opening inspections

555
temporary permits issued

37
education/in-service visits

60
enforcement conferences

Martin Blackburn, Environmental Health Specialist
Public Facilities Program

2,006 inspections
1,736 follow-up inspections
1,328 complaint responses
620 monitoring inspections
79 certifications issued for public facilities
966 individuals certified and trained as Lifeguard I
5 individuals certified and trained as Lifeguard II
7,031 samples collected (pool/spa recreational water facility)
126 individuals trained and certified as Qualified Attendants
Plan Review Program
This department performs reviews for environmental health issues as they relate to proposed development projects and for new or renovation construction projects.

Education and Outreach
The division is also responsible for education and outreach on issues of environmental justice. Three key issues are urban heat islands, childhood lead exposure and radon exposure.

Urban Heat Island
LMPHW is partnering with the Louisville Metro Office of Sustainability along with numerous other Metro Government agencies and community partners. The goal is to increase awareness and develop strategies to reduce the rapidly increasing urban heat island in Louisville.

- 7 outreach events
- 250 Meals on Wheels clients received educational materials and thermometers
- 400 participants of meal programs for senior citizens received educational material
- 200 internal bus posters displayed
- 247 radio spots on urban heat island awareness and reduction strategies
- 537 participants in a survey conducted by the agencies and partners to better understand public knowledge about urban heat islands
Radon Program
As a result of the geology of Jefferson County and the surrounding areas, many homes have problems with high levels of radon. This odorless, colorless gas is naturally occurring in our environment and is the leading cause of lung cancer, outside of smoking. Without testing, many individuals can be at risk (without knowing it) of exposure to high levels of radon. Luckily, there are ways to reduce the levels of radon in a home.

2,070 free radon kits were provided to Jefferson County residents
400 households received educational materials by mail

Mitigating Harmful Exposures in the Environment

Hazardous Material Response
This team responds to hazardous material releases to determine health impacts, assist other responding agencies, perform hazard assessments and advise on clean up procedures. They also investigate improper disposal, environmental crimes, and indoor air quality complaints.

David Reed, Environmental Health Specialist

86 hazardous material responses
10 clandestine drug lab responses
Mosquito control
This team is responsible for administering and implementing mosquito control within Jefferson County. They provide surveillance and testing, source reduction, biological control initiatives, ground application of insecticides, and public education.

531 complaint responses
35,000 catch basins treated
300 sites pre-treated

Ken Luther, Preparedness Supervisor, and Mayor Fischer encouraging everyone to Fight the Bite.

32 routes
18,000 acres fogged

Also provided education and outreach on Earth Day at the Zoo, at the Louisville Home and Garden Show, and various councilpersons’ meetings.
Childhood Lead Poisoning Prevention Program (CLPPP)
The CLPPP mission is to reduce the prevalence of childhood lead poisoning in Louisville Metro through prevention, education, and early identification. This program also coordinates public health surveillance, case management, education and environmental inspection services. The program collaborates with 19 organizations and programs throughout the Metro area.

6,364 individuals reached at 15 health fairs and events where educational materials and promotional items were distributed

114 children with elevated blood lead levels were referred for environmental follow-up

4,031 children tested throughout Jefferson County

2,121 were tested in the highest risk targeted areas of the county
Office of Emergency and Public Health Preparedness
The purpose of the Office of Emergency and Public Health Preparedness (OEPHP) is to design, conduct, participate, and evaluate exercises (including drills) in accordance with the Homeland Security Exercise and Evaluation Program and the Kentucky Department of Health guidelines. The team also represents LMPHW at meetings and conferences with state, regional, and joint delegations. Furthermore, the team develops Active Shooter/Armed Aggressor policies for LMPHW in cooperation and coordination with LMPD.

The team manages inventory and maintenance of all preparedness assets. Developing, reviewing and updating the Strategic National Stockpile plan and increasing dispensing capability is a critical function for the Emergency Preparedness team. They also determine appropriate staff needed during a response to a public health emergency or disaster and assure the staff receives appropriate training.

• Conducted quarterly call down drills with LMPHW staff
• Participated in state notification drills and quarterly satellite communication drills
• Conducted a Continuity Operations Table Top Exercise and 24/7 contact drills
• Represented LMPHW at the Joint ITV, and ESF-8 conferences
• Fulfilled all Kentucky Department of Health and federal deliverables while only at 50% staffing.

Medical Reserve Corps
This program is managed by the OEPHP team. Its purpose is to be prepared to rapidly activate and respond to emergencies, disasters, and public health initiatives by augmenting the capabilities of LMPHW with medical and non-medical support personnel.

• Management migrated from the Louisville Emergency Services to LMPHW, and we adopted the KDPH Volunteer Deployment manual
• Conducted recruiting events
• Conducted training and sheltering operations
• Issued equipment to volunteers
• Audited membership and developed a strategic plan
Healthcare Coalition Administration and Reporting

OEPHP provides technical and administrative support to the Healthcare Coalition (HCC) to enhance the capability of the community’s healthcare system to prepare, respond, and recover from all-hazards events.

- Participated in regional training, exercises, and planning workshops
- Enhanced awareness of Kentucky’s Resource Bridge Patient Tracking System
- Assisted in the inventory of HCC assets
- Trained hospital personnel in using the WebEOC
- Assisted in program assessment of the HCC

Cities Readiness Initiative (CRI)

CRI is designed to enhance the preparedness of LMHPHW to develop, test, and maintain plans to quickly receive and distribute life-saving medicine and medical supplies from the nation’s Strategic National Stockpile (SNS) to the local community following a large-scale public health emergency.

- Completed a Budget Period 4 Countermeasure Operational Readiness Review to the Kentucky Department of Public Health.
- Reviewed and updated the SNS support plans
- Conducted three operational RAND Corp. drills

Leslie Jenks and Grace Ellis, Environmental Health Specialists
In June of 2016, CHE kicked off the start of a year-long 10 year anniversary celebration, with a mission to change the paradigm of health in Louisville to focus on rights, equity, social determinants, and justice as the foundations of health. CHE began working on a communicative logo that would reveal these intersections.

Dr. Brandy N. Kelly Pryor was hired in Dec. 2015 as the Director of CHE. She holds a joint appointment as a faculty member with University of Louisville School of Public Health. In FY15, the CHE staff tripled. We anticipate continued growth as we seek to fill a vacant Community Outreach Coordinator and new partnerships with other agencies.

Racial Equity Here Cohort
Louisville is one of five cities selected by Living Cities and the Government Alliance on Race and Equity (GARE) to join a national effort to improve racial equity and advance successful outcomes for all in America’s cities. Each city will provide a cross-sector team of various departments and participate in a two-year training curriculum to learn ways to operationalize equity.

In March 2016, the Center for Health Equity joined the Louisville Metro Office of Performance Improvement and Innovation, Human Resources, Office of Safe and Healthy Neighborhoods, Office of Globalization, and Human Relations Commission to be part of the Racial Equity team. Once a quarter, the team travels to a convening with the other cities and learns ways to operationalize equity in local government. At the end of FY15, CHE (and other city departments) traveled to Chicago, IL for the opening convening, completed a homework document that included a draft of the full racial history of Louisville, and added a diverse, robust representation of LMG departments to the Racial Equity (Louisville) team.
Youth Violence Prevention Research Center (YVPRC)

In November 2015, the Centers for Disease Control and Prevention awarded the University of Louisville School of Public Health and Information Sciences (SPHIS) $5.7 million to establish a Youth Violence Prevention Research Center. Researchers and their partners will develop, implement and evaluate a community-level mass and social media campaign to change social norms - unwritten, shared mores, rules and customs that affect behavior. The initiative is aimed at reducing violence among youth living in west Louisville. East Nashville, Tennessee is serving as the control site for the project. CHE joined the YVPRC as a community partner. Additionally, eight youth fellows were hired to focus on issues of youth violence in west Louisville. Fellows and community partners strategized a logo and communication plan to highlight violence as a result of historical disinvestment.

Healing Futures Fellowship (HFF) 2015

This was the fourth year of the Healing Futures Fellowship, which brought together 25 rising sophomores, juniors and seniors from neighborhoods across Louisville Metro. The students met with over 30 community partners, leaders and elected officials over the course of six weeks to explore the underlying causes of and solutions to violence and inequity. Youth worked in teams to:

- explore differing views of race, class, culture, gender and equity
- engage in collaborative and hands-on learning, knowledge and skill development through the use of dialogue, evaluation, assessment and advocacy
- understand and identify solutions to current community issues from a public health perspective
- focus on the role of the media in shaping individual and collective perceptions, and its impact
Community Conversations Initiative
In March 2016, the Center for Health Equity began a Community Conversations Initiative; these conversations will continue throughout 2017.

The multiple goals of these conversations include:

1. Complete community dialogues in 26 Louisville neighborhoods to gain insights into assets, barriers, and community stories which may inform the Health Equity Report
2. Increase community awareness of health equity and the Center for Health Equity across Louisville
3. Establish new connections within Louisville communities and neighborhoods not previously engaged by CHE
4. Collect, examine and review the stories and issues raised by residents throughout the community

Research and Public Engagement
The Center for Health Equity engaged the public through dissemination of CHE research. These efforts included the following:

- Presentation at the 2015 American Public Health Association annual meeting. Staff worked with the University of Louisville School of Public Health and Information Sciences to develop a poster presentation entitled, “Transgender messaging gap: including trans and gender nonconforming people in public health campaigns.”
- Dr. Kelly Pryor has presented on health equity at a national level. In March, CHE presented to the Centers for Disease Control and Prevention at a national gathering, which included other centers for health equity and local health departments aiming to incorporate equity into their work with the public. CHE presented on its 10 year history and efforts to advance health equity in Louisville.
- At the Anna Julia Cooper National Conference Know Her Truths, CHE presented on our use of population level data to produce the Louisville Health Equity Report. CHE presented our efforts to expand who, how and what information we cover, in particular the experiences and health outcomes of women and girls of color.
Community Funding
CHE has a history of supporting community-based organizations to build funding capacity and partnerships throughout Louisville.
In FY15 Louisville continued to support the efforts of community partners through the STYC (Shawnee Transformation Youth Coalition) and PAL Coalition (Parkland, Algonquin, and Old Louisville) Drug Free Coalitions.

After receiving the NLC/CCCN (National League of Cities / Cities connecting Children to Nature) grant of $25,000, a multi-sector/department/organizational team (including CHE) was created to develop Louisville’s plan for expanding connections to nature for more children and families.

Louisville is 1 of 7 cities selected to work with NLC/CCCN staff to develop our plan, which includes a community needs assessment of access to nature for residents of high-needs areas.

In partnership with Children & Nature Network, NLC’s Cities Connecting Children to Nature initiative helps city leaders and their partners ensure that all children have the opportunity to play, learn and grow in nature, from city parks to the great outdoors.
PHAB Accreditation
The Office of Policy, Planning, and Evaluation (OPPE) led our efforts to become accredited through the Public Health Accreditation Board (PHAB). PHAB has been accrediting local, state, and Tribal health departments since 2011. As of July 2016, 134 departments have been accredited through PHAB. LMPHW’s accreditation journey has involved over 25 LMPHW employees throughout the department who participated on the accreditation team.

Team members read the PHAB accreditation standards and selected documentation to submit that would demonstrate compliance with the standards. The team submitted over 360 documents to PHAB. LMPHW then hosted a two-day site visit where PHAB visitors interviewed employees, community partners, and representatives of our governing entity about our policies, practices, and the documentation we submitted. PHAB accredited LMPHW in August 2016 for five years, bringing the total number of accredited health departments across the country to 151.

Quality Improvement (QI) Program
The QI program, housed within OPPE, aims to create a culture of quality throughout the department by performing QI projects to improve programs and services, and developing and tracking key performance indicators for each division.

The quality improvement team revised and published a new edition of our Quality Improvement Plan. The Quality Improvement Coordinators (QICs) completed five QI projects.

The QI program at LMPHW has grown in the last few years. The QI team hopes to get more staff throughout the department involved in developing and completing QI projects in years to come.
**Epidemiology**

Epidemiology deals with the incidence, distribution, and control of diseases and other factors relating to health. LMPHW’s epidemiologists collect, analyze, and/or report health data for a variety of internal and external parties. They also perform disease outbreak investigations and monitoring.

**Surveys**

Our epidemiologists conducted two surveys:

**The Behavioral Risk Factor Surveillance System Survey (BRFSS), and the Community Health Needs Assessment**

They analyzed the results of these surveys and created reports. The BRFSS results were published online on our community dashboard, www.healthylouisvillemetro.org.

**Data Requests**

The epidemiologists received and responded to 128 requests for data.

These requests were from internal and external partners, including LMPHW Healthy Start, Louisville Metro Syringe Exchange Program, LMPHW Lead Program, Youth Violence Prevention Initiative, and K-AIR, among others.

**Data Analysis and Reporting**

The LMPHW epidemiologists analyzed and/or reported on the following data: vital statistics, hospitalization data, syringe exchange program data, syndromic surveillance, communicable disease surveillance, and LMPHW program data.

**Briefs and Presentations**

The epidemiologists published a data brief on asthma, and presented four posters at national conferences.

**Outbreak Investigations**

The LMPHW Epidemiologists monitored a total 45 individuals for Ebola. They monitored 10 children, and 35 adults for up to 21 days each. Of the monitored individuals, 8 had traveled to Sierra Leone, 26 to Liberia, and 12 to Guinea.

**Community Dashboard**

Our epidemiologists populate health data into our online community health dashboard, www.healthylouisvillemetro.org. The dashboard has 184 indicators total, and the epidemiologists are responsible for updating 67 of them with data they collect and analyze. The dashboard was viewed over 2,600 times throughout the fiscal year.
Strategic Planning
Our strategic plan sets forth how we, as a department, plan to improve our services and operations. The plan is guided by the National Association of County and City Health Officials (NACCHO) Local Health Department Self-Assessment. That assessment identifies areas where we have a weakness. The NACCHO self-assessment, and therefore our strategic plan, are based on the delivery of the 10 essential services of public health. Our goals are to improve our rating scores on the self-assessment tool by implementing initiatives to strengthen areas of deficiency.

Strategic plan evaluation was conducted in August 2015. Initiatives were reviewed and edited to ensure they aligned with our department’s mission and vision and addressed the gaps and weaknesses identified in the NACCHO self-assessment.

We have a total of 34 initiatives:
• 3 short term ones were completed
• 27 initiatives were in progress
• A new goal was added: “Improve fiscal stewardship at all levels of LMPHW by engaging staff to understand and participate in financial processes and practices.”

The NACCHO self-assessment will be re-done periodically to ensure the initiatives we undertake are actually improving our delivery of the 10 essential services. The leadership team hopes to engage staff at all levels of LMPHW to participate in this process.

Vital Statistics
The Office of Vital Statistics processes birth certificates (including stillbirth) daily from our county’s four hospitals, reviewing each one to ensure there are no errors. We provide voluntary acknowledgment of paternity services, including notary. We work closely with all nursing homes, funeral homes and cemeteries in Jefferson County – from appointing Deputy Registrars, supplying them with the needed documents to complete birth and death records and any other needs that arise.

For 2015, the Office of Vital Statistics processed approximately 14,282 birth certificates. There were 7,821 deaths (by residence) that we ensured were filed with the State Vital Statistics Office in Frankfort.
Show Me the Money!
Our Administrative Services division is in charge of financial reporting, our administrative services division is in charge of financial reporting to control and monitor LMPHW's annual budget.

For Fiscal Year 2016, the Approved Budget was:

- **Revenue:** Total $20,810,500
  - General Funds: $8,346,900
  - Federal Grants: $1,909,600
  - Agency Receipts: $8,373,800
  - State Grants: $2,163,300

- **Expenditures:** Total $20,810,500
  - Personnel Services: $13,224,800
  - Contractual Services: $5,525,800
  - Supplies: $16,900
  - Equipment/ Capital Outlay: $154,400
  - Direct Reimbursements: $90,500
  - Independent Charges: $11,900
  - Restricted Projects: $802,800

Also under the purview of Administrative Services is the Board of Health, which is an advisory board to LMPHW comprised of health professionals from the community appointed by the Mayor. The Board of Health advises the Mayor, Metro Council, LMPHW and the public on matters concerning the public health and wellness of the community.

Current Board of Health Members:
- Dr. Sherry Babage
- Erin Frazier
- Dr. Karen Cost
- Kate Prosbt
- Connie Sorrell
- Dr. Joann Schulte
- Dr. Gerald Temes

Annual Budget Decline
- **FY 2013:** $32.5 million
- **FY 2014:** $30.3 million
- **FY 2015:** $26.4 million
- **FY 2016:** $20.8 million
Workforce Development / Training Program

Administrative Services also hosts this program in order to maintain a competent workforce through identifying gaps in knowledge, skills, and abilities. These gaps are then addressed through training opportunities. The department also focuses on recruiting qualified, skilled individuals and providing internship/practicum opportunities to UofL SPHIS students to better equip them to begin public health careers.

In 2015, we increased competency in the areas in green. Weaknesses were identified in areas in red.

- Analysis and Assessment
- Policy and Program Planning
- Communication
- Cultural Competency
- Community Dimensions of Practice
- Public Health Sciences
- Financial Administration and Management
- Leadership and Systems Thinking

Customer Service Training

Administrative Services also is in charge of customer service training, whereby front-line staff is instructed on how to provide excellent customer service.

Lunch and Learn

We host weekly lunchtime training opportunities. Employees may attend webinars on a variety of topics.
Healthy Louisville 2020 is our communities shared plan for improving specific health outcomes. LMPHW tracks progress against the Healthy Louisville 2020 goals on our community dashboard:

http://www.healthylouisvillemetro.org/

Data are updated annually as they become available. A few of the goals have been identified as “key priorities” and are incorporated into the Metro Government Strategic Plan Goal 13: Help Our Citizens Get Healthy.

Take a look at how we’re doing as a city towards meeting our goals:
Increase health insurance coverage to all Louisville Metro residents by decreasing percentage of uninsured residents from 17% to 0%

Uninsured Residents Louisville/ Jefferson County Metro

Reduce cigarette smoking among adults from 32.1% to 29%


Reduce the gap in life expectancy between whites and blacks in Louisville Metro from 4.6 years to 4.1 years

Source: Kentucky CHFS, Office of Vital Statistics 2006-2010, 2009-2013
Reduce infant mortality rate from 7.5 to 6.75 per 1,000 live births.

Jefferson County - Infant Mortality Rate (deaths per 1,000 live births)

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<tr>
<td>2014</td>
<td>6.7</td>
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</table>


Reduce the proportion of adults who are obese from 29.3% to 26.4%.

Percent of Adults Who Are Obese

<table>
<thead>
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<th>Year</th>
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