

What is Public Health?

“Public health is the science and art of preventing disease, prolonging life and promoting health through the organized efforts and informed choices of society, organizations, public and private, communities and individuals”

World Health Organization

What is Population Health?

“Population health is the health outcomes of a group of individuals, including the distribution of such outcomes within the group”

LMPHW Mission

The mission of LMPHW is to promote health and wellness; prevent disease, illness, and injury; and protect the health and safety of Louisville Metro residents and visitors.

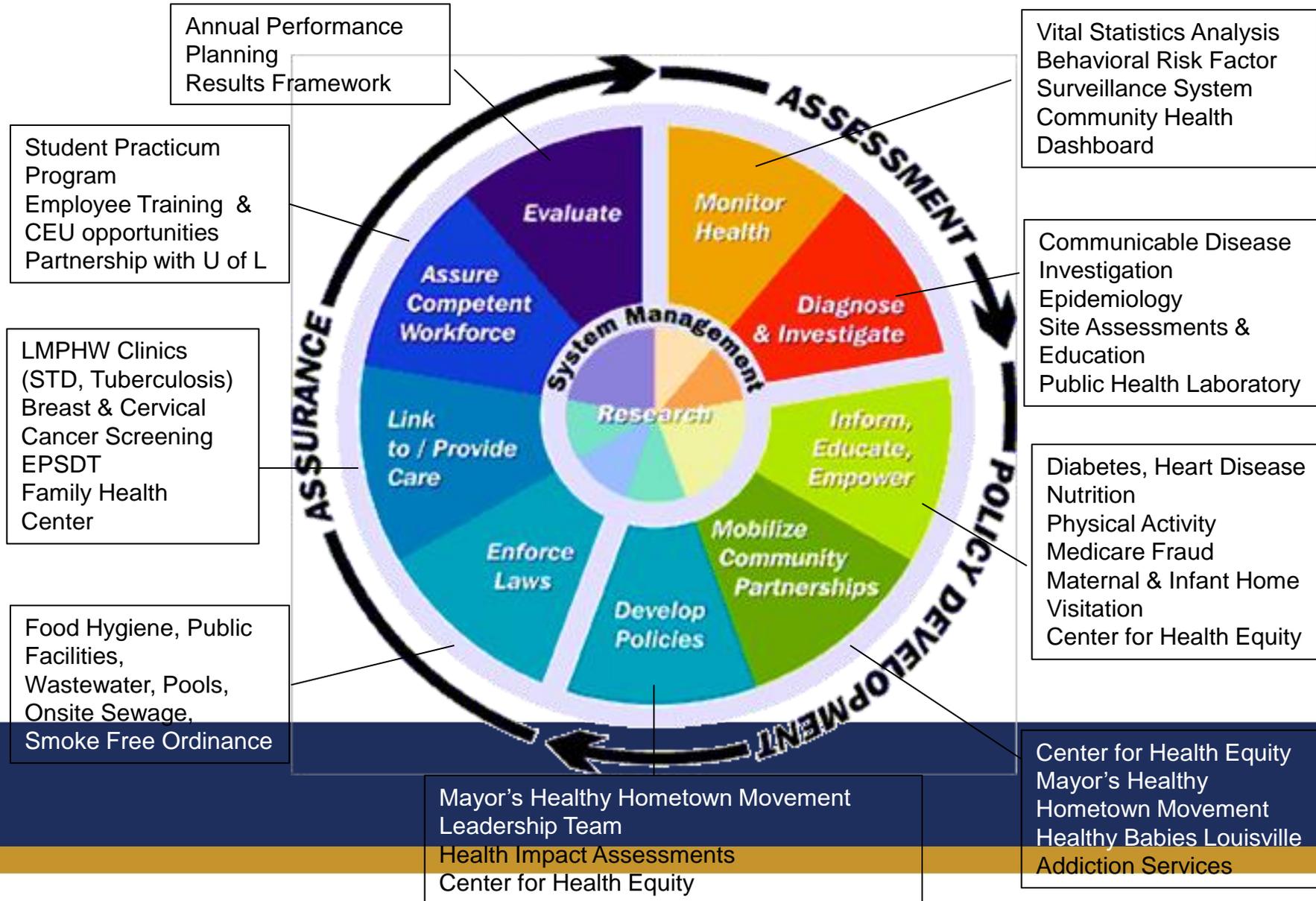
Our Priorities

- Creating a Culture of Health and Wellness in Louisville Metro
- Continued Focus on Social Determinants of Health and Health Equity
- Strengthening Public-Private Partnerships
- Increased Connection between Public Health and Clinical Medicine
- Outcomes Driven Approach to Program and Policy Development

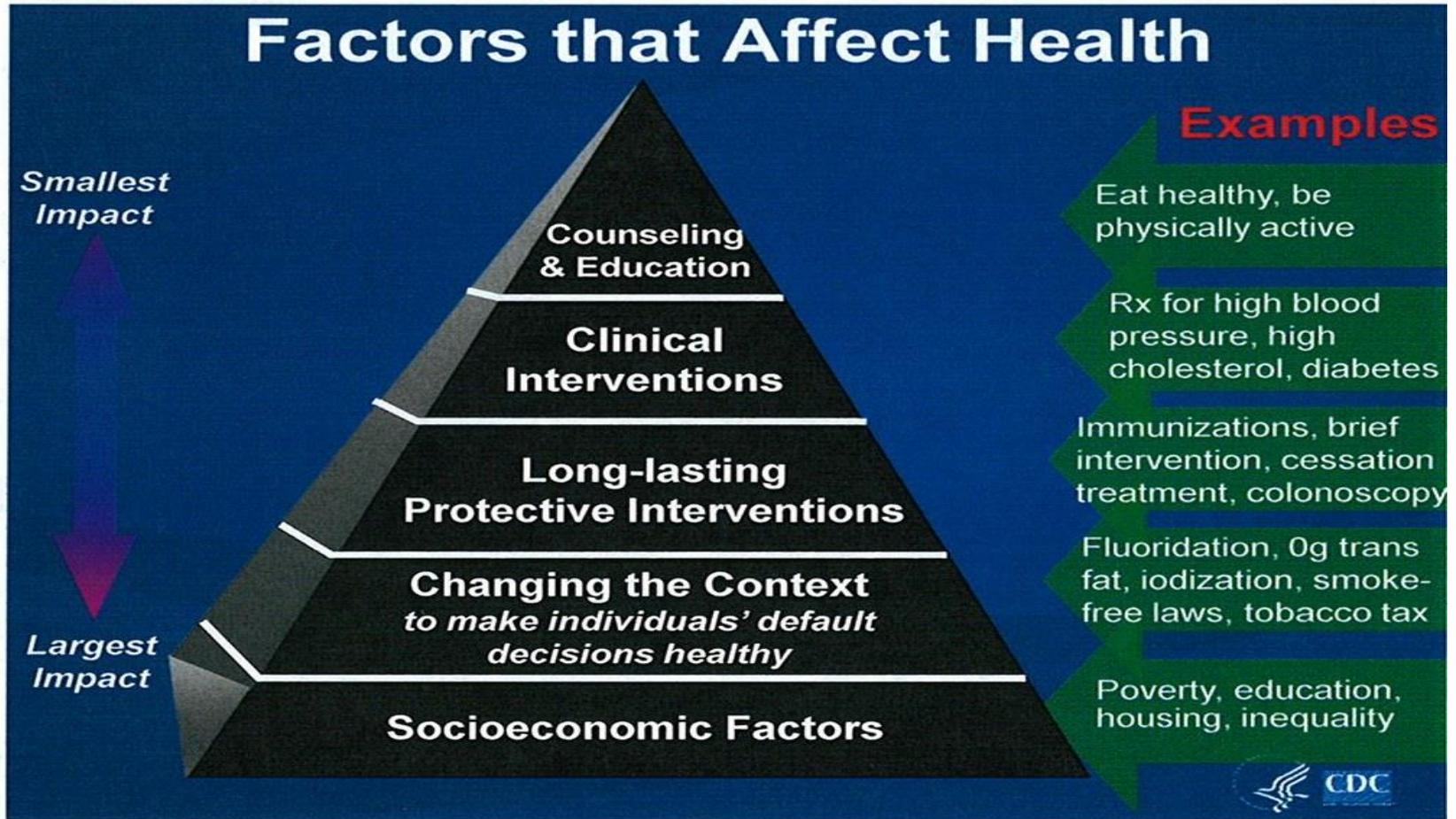
Public Health 3.0

- Call to Action to Transform the Public Health Model
- Initiative Lead by U.S. Department of Health & Human Services
- Focused on Forming Vibrant, Cross-Sector Partnerships to focus on Social Determinants of Health to Demonstrate Measurable Outcomes

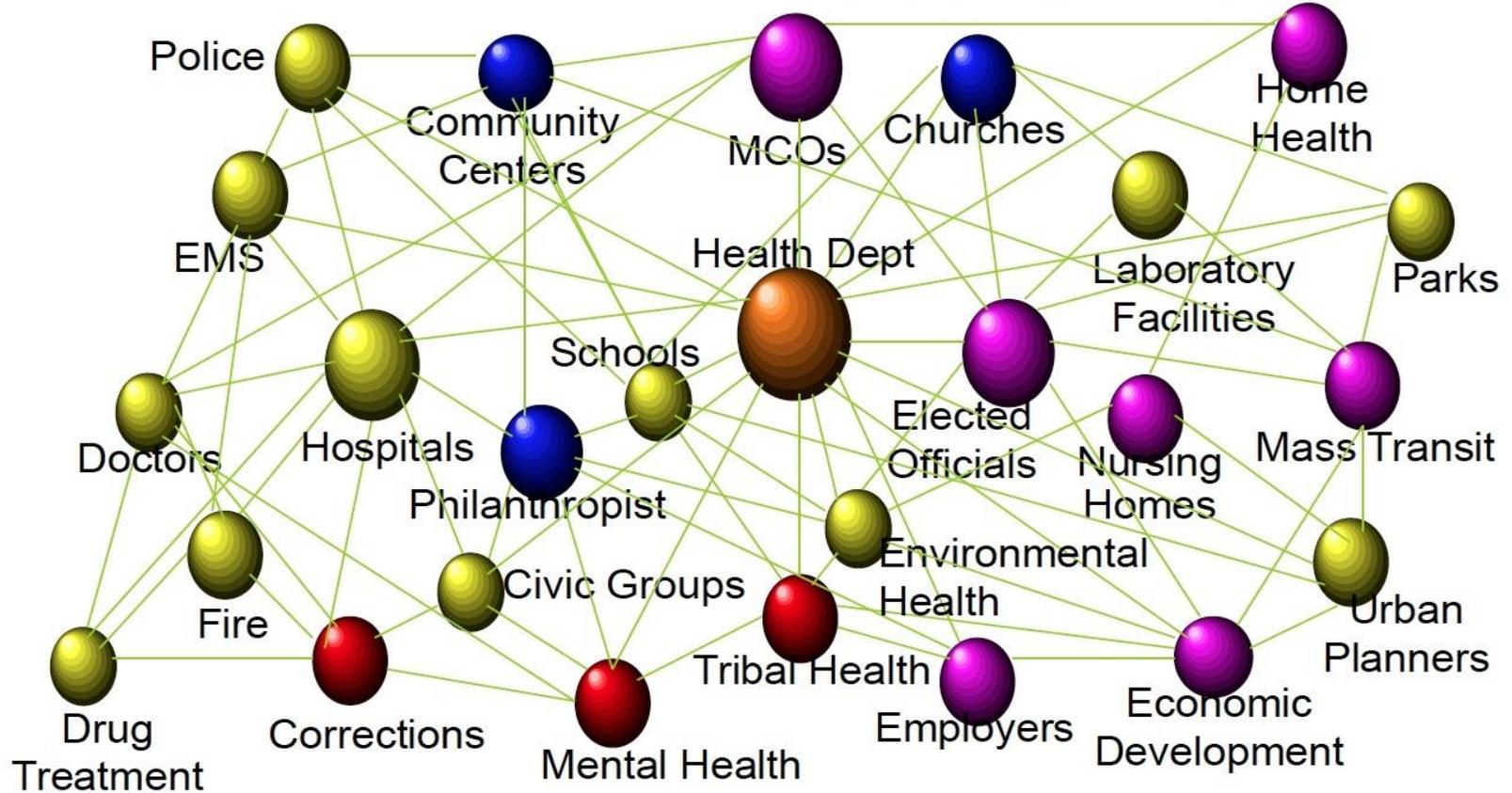
Core Functions of Public Health



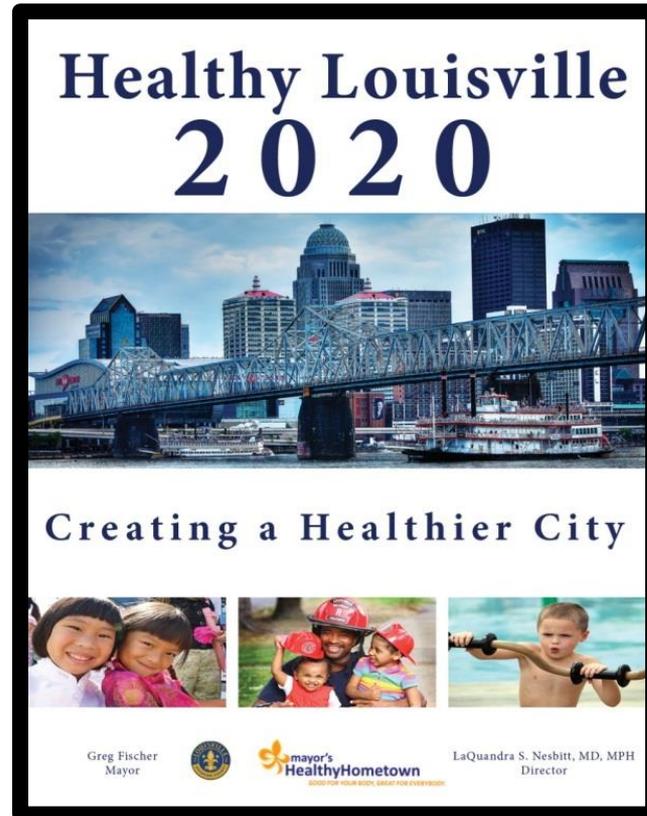
How Do We Improve Health?



Local Public Health System



Connecting the Dots The Community Health Plan



Connecting the Dots

Mayor's Goal #13

Help our Citizens Get Healthy



Connecting the Dots



Center for Women and Families
Louisville Metro Council
Community Foundation of Louisville
Metro United Way
Family & Children's Place
Norton Healthcare, Inc.
Jefferson County Public Schools
Louisville Metro Community Services & Revitalization
KentuckyOne Health
Office of Youth Development
Office of Safe and Healthy Neighborhoods
Louisville Metro Public Health & Wellness
Seven Counties Services
Louisville Metro Youth Advocates
YMCA of Greater Louisville
University of Louisville School of Public Health

Connecting the Dots



Aetna Better Health of Kentucky

Baptist Health Louisville

Center for Women and Families

Center for Women and Infants University of Louisville

Family & Children's Place HANDS program

Family Health Centers

Family Scholar House

Humana Caresource

Lifehouse Maternity Home

Louisville Metro Community Services

Louisville Metro Public Health and Wellness

March of Dimes Kentuckiana

Metro United Way

Norton Healthcare

Our Lady of Peace

Passport Health Plan

Seven Counties Services

Teenage Parent Program, Jefferson County Public Schools

University of Louisville General Pediatrics

University of Louisville Raymond A. Kent School of Social Work

University of Louisville School of Public Health and Information Sciences

Volunteers of America, Mid-States

Wellcare Health Plans

Connecting the Dots

Louisville Health Advisory Board

Bellarmino University

FORD

Greater Louisville, Inc.

Humana

Jefferson County Public Schools

KentuckyOne Health

Leadership Louisville Center

Louisville Habitat for Humanity

Louisville Metro Government

Passport Health Plan

Sanofi Pharmaceuticals

Seven Counties Services

UAW-FORD/Kentuckiana Healthcare
Collaborative

University of Louisville Department of
Psychiatry

University of Louisville School of
Medicine

University of Louisville School of
Public Health and Information
Sciences

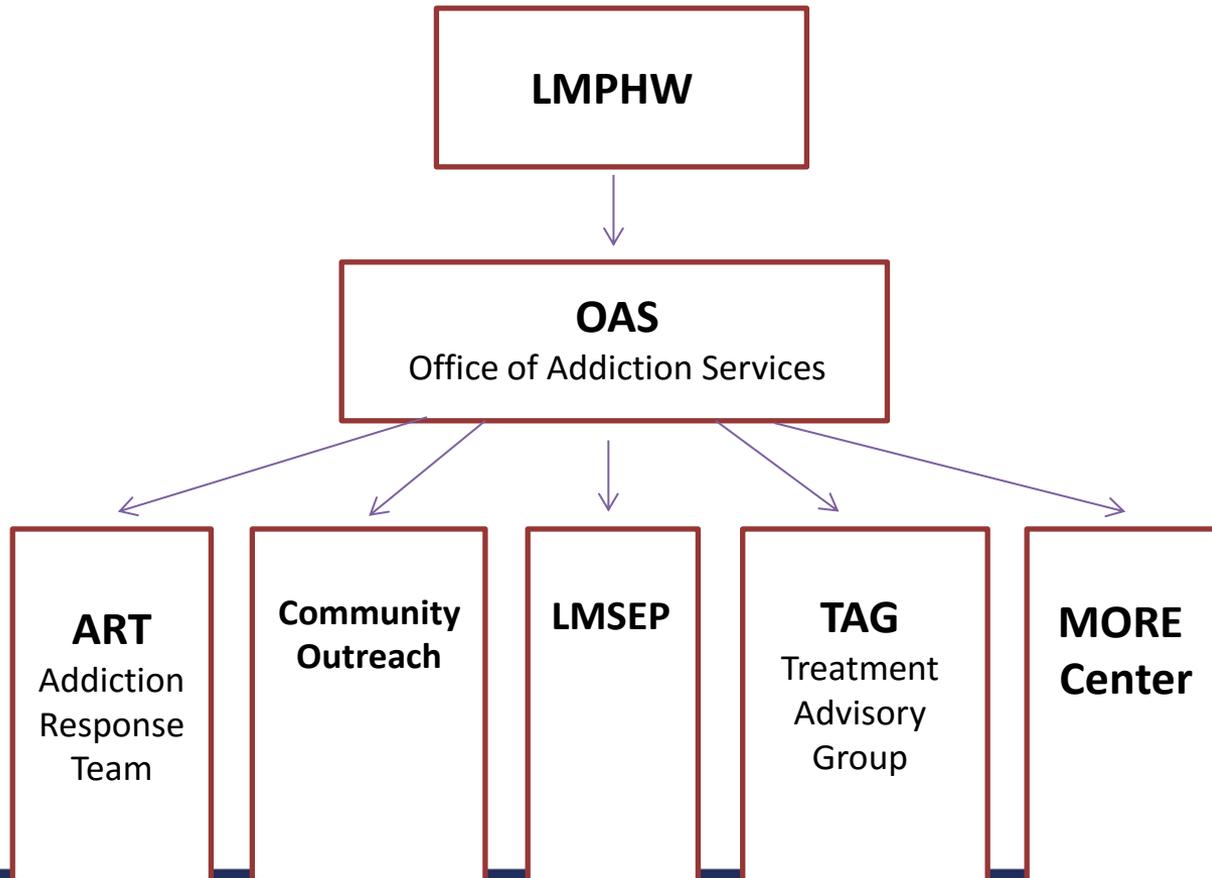
YMCA of Greater Louisville

OPERATIONAL CHANGES HIGHLIGHTS

Improved Reporting and Interventions

- Instituted more active outbreak investigation with expanded field work
- Re-established legal framework for TB and quarantine activity & expanded contact investigations
- Establishing links for real-time access to our local data – STD data will be accessible in fall
- Linkage to care for HIV and Hep C

Office of Addiction Services



Expanded Response to Addiction

- Office of Addiction Services expanded to 2 positions
- Obtained Gilead grant for expanded testing (HIV & Hep C) in drug treatment programs
- Moved syringe exchange to permanent quarters inside health department
- Established Treatment Advisory Group to improve continuum of care

Addiction Plans in FY18

- Real time surveillance with **OD Map** and alerts
- Frequent **drug takeback programs** with police
- **Education for parents and community members** with library classes starting this summer
- Primary prevention with single opioid prescription – **inactivation packet**
- Work with KIPRIC on sentinel surveillance: EMS, deaths and composition of street drugs

Renewed Focus on Childhood Lead

The good news:

Lead poisoning is **100%** preventable.

Take these steps to make your home lead-safe.



Talk with your child's doctor about a simple blood lead test. If you are pregnant or nursing, talk with your doctor about exposure to sources of lead.



Talk with your local health department about testing paint and dust in your home for lead if you live in a home built before 1978.



Renovate safely. Common renovation activities (like sanding, cutting, replacing windows, and more) can create hazardous lead dust. If you're planning renovations, use contractors certified by the Environmental Protection Agency (visit www.epa.gov/lead for information).



Remove recalled toys and toy jewelry from children and discard as appropriate. Stay up-to-date on current recalls by visiting the Consumer Product Safety Commission's website: www.cpsc.gov.

Expanded Lead Program

- Used local funding to add nurse position
- Completed survey of Black Leaf homes and offered pediatric lead testing all residents of 70 homes < 18 years of age
- Worked with state to update lead testing data so that better tracking possible

Lead as a Public Health Issue

- In 2012, federal cuts impacted Louisville lead program
- Testing numbers declined
- Louisville's most common lead source is in old housing
- Level of concern for blood lead changed to 5

Improving Fiscal Capacity

- Speciality/STD clinic has moved downtown, patient census now 25 daily; was 10-12
- Enhanced billing and collection in both STD and TB clinics, immunization program and lead clinic
- Sustained effort by managers to boost revenues

Seeking New Sources of Support

- State health department has provided 2 new FTEs for HIV/AIDs surveillance and STD
- Obtained Gilead grant funding and naloxone funding from grant to enhance addiction service not reliant on Metro funding
- New restaurant fee to boost EH funding; legislation pending
- Agreements with other HDs for lead testing

LMPHW Zika Objectives

1. Reduce/eliminate the spread of the Zika virus through community involvement in enhanced mosquito abatement activities
2. Improve and adapt the local surveillance capacity
3. Develop a local laboratory testing capability and enhance the capacity to test for the Zika virus in mosquitoes
4. Conduct vector control activities and reduce the *Aedes aegypti* and *Aedes albopictus* mosquito population in targeted areas
5. Decrease risk of the Zika virus to pregnant women and women of reproductive age
6. Safeguard the local blood supply

Mosquitoes that carry Zika – not here yet

Aedes aegypti



Aedes aegypti mosquito

- Known competent vector
- Is common in warm climates including Africa, Asia, South America, Central America, the Caribbean, and the Southeast U.S. and we do have *some* in Kentucky

Aedes albopictus



Aedes albopictus

- Probable competent vector
- Known to be infected with Zika
- Currently, no documentation of transmission
- Found throughout Kentucky and most southeastern states

Aedes species known as container mosquitoes and are aggressive daytime biters

Questions?

Joann Schulte, DO, MPH

Director Joann.Schulte@louisvilleky.gov



DEPARTMENT OF
PUBLIC HEALTH
AND WELLNESS