Public Health
Fiscal Year 2014

Presentation to Senate Appropriations Subcommittee on Community Health
February 28, 2013

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Our Guiding Principles

Our Mission is to protect, preserve, and promote the health and safety of the people of Michigan with particular attention to providing for the needs of vulnerable and under-served populations.

Our vision is to improve the experience of care, improve the health of populations, and reduce per capita costs of health care.

Leadership, Excellence, Teamwork

Public Health Mission

- ✓ Protect, preserve, and promote the health, wellness, and safety of 9.9 million Michigan residents
- ✓ Prevent disease and support its management and treatment
- ✓ Use community, population and evidence-based strategies to improve the health of the population and the experience of care

Public Health Goals

- ✓ Promote personal responsibility and cost-saving health care practices
- ✓ Encourage healthy behaviors – exercise, healthy foods, tobacco reduction, health screenings, immunizations
- ✓ Prevent epidemics and spread of disease
- ✓ Encourage implementation of cost-effective and innovative approaches that promote equity in health care

Protecting, Preserving and Promoting the Health of Michigan Residents

- ✓ Multiple Public Health programs coordinate with each other to protect the citizens of Michigan
  - Infectious Disease Control
  - Laboratory Services
  - Epidemiology
  - Local Health Departments
  - Chronic Disease and Injury Prevention and Health Promotion
  - Family, Maternal and Children's Health Services
  - Women, Infants, and Children Food and Nutrition Program
  - Children's Special Health Care Services

Essential Public Health Services Identified in Michigan Public Health Code

- ✓ Immunizations
- ✓ Infectious disease control
- ✓ Sexually transmitted disease control and prevention
- ✓ Hearing screening
- ✓ Vision services
- ✓ Food protection
- ✓ Public water supply, private groundwater supply, and on-site sewage management

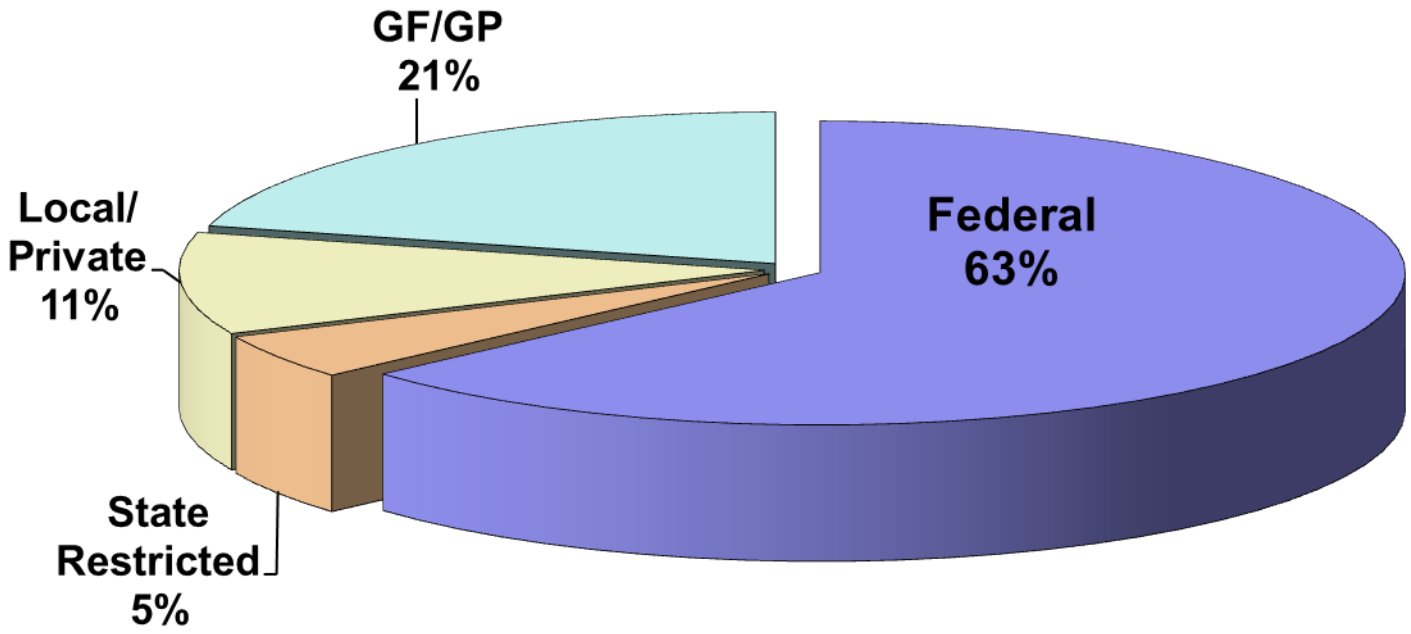
Public Health Statistics

- 93,000,000 vaccine doses distributed to 2,600,000 children
- 145,000 responses to communicable disease cases in 2012
- 1,000,000 annual hearing/vision screenings for children
- 32,000,000 vital records stored from 1867; 360,000 new/per year
- 14,000 Children's Special Health Care Services children moved to managed care
- Over 8,000 volunteers added to MI Volunteer Registry
- 491 Nurse Immunization Education visits in 2012
- 91% of families on the Women, Infants & Children (WIC) program live at less than 150% of the poverty level
- 7,200,00 lab services provided to over 350,000 people
- Over 100,000 infectious disease specimens tested in 2012
- 100% of Local Health Departments meet MI accreditation standards
- Over 120,000 newborn screening specimens tested in 2012
- Over 100,000 West Nile Virus flyers distributed

Public Health Statistics

- Over 5,500 health professionals trained in Disaster Life Support and/or emergency response
- Over 1,500 community partners contributed to State Health Improvement Plan
- 20% decrease in pregnancy rate in youth 15-17 from 2008-2010
- The only state to draw down federal Medicaid match funds for school-based health centers
- Over 1,000,000 school aged children reached annually with Michigan Model for Health Curriculum
- 28,528 Michigan Childhood Immunization Registry active users
- 1,800,000 doses of vaccine processed by Immunization Program
- 100% of youth with positive chlamydia treated onsite
- 77% increase in pregnant smokers calling MI Tobacco Quitline

FY 13 Public Health Appropriation Revenue Sources by Percentage (6% of MDCH Budget)



FY 2013 Major Initiatives

- ✓ **Create a Healthier & Stronger Michigan**
  - Implement the Michigan 4 x 4 Plan
  - MI Healthier Tomorrow
  - Before and After-School Healthy Exercise Program
- ✓ **Reduce Infant Mortality**
- ✓ **Local Public Health Services**
  - Local Partners in Health
  - Essential Local Public Health Services 2013 Funding Distribution
- ✓ **Disease Prevention and Control**
  - Public Health Laboratory
  - Meningitis Outbreak
  - Influenza
  - West Nile Virus
  - HIV/AIDS, Sexually Transmitted Diseases
- ✓ **Family, Maternal and Child Health**
  - Program Statistics
  - Women, Infants & Children (WIC)
  - Children's Special Health Care Services (CSHCS)
- ✓ **Public Health Preparedness**

Create a Healthier and Stronger Michigan

Implement Michigan 4 x 4 Plan

4 Key Healthy Behaviors	4 Key Health Measures
Maintain a Healthy Diet	Body Mass Index (BMI)
Engage in Regular Exercise	Blood Pressure
Get an Annual Physical	Cholesterol Level
Avoid all Tobacco Use	Blood Sugar Level

Strategies

- ✓ Public Awareness Campaign
- ✓ Policy and Environmental Changes
- ✓ State Level Coordination
- ✓ Community Coalitions: Businesses, Schools, Health Care Agencies, Health Plans, State Agencies

Create a Healthier and Stronger Michigan

MI Healthier Tomorrow

- ✓ Public Awareness Campaign
  - Goal: reduce obesity rate through awareness of healthy lifestyle options
- ✓ Take the Pledge to lose 10%
  - 18,059 people have taken the pledge as of February 24, 2013

Create a Healthier and Stronger Michigan

MI Healthier Tomorrow Partners

AFPD – Voice of Independent Retailers
Amway
Beaumont Health System
BCBSM
Compuware
Huntington Bank
Hyland
LOSEitWrite
Marketing Associates
McDonalds
Mercy Health
Michigan Association of Broadcasters
Michigan Association of Chiropractors
Michigan Chronicle
Michigan Osteopathic Association
Rockford Construction
Quicken Loans
The YMCA

Create a Healthier and Stronger Michigan

Before-and after-school Healthy Exercise Program

- ✓ Program is designed to increase healthy eating and physical activity among youth in K-6 in out-of-school time settings.

- ✓ MDCH awarded competitive funding to ten grantees (54 schools, 5,028 students):

  Design and implement physical activity and healthy eating programs
  - Outreach activities to parents and caregivers
  - Promote changes to environments and policies in these settings
  - Use evidence-based curricula and activities to meet the needs of their population

- ✓ Areas served: Dearborn/Wayne, Ann Arbor, Ypsilanti, Willow Run, Cadillac, tribal school venues statewide, Inkster/Westland, Okemos, Wyoming, Jenison, Grandville, Hudsonville, Godwin Heights, Kalamazoo, Negaunee, Ishpeming and Gwinn Public Schools

Reduce Infant Mortality

Current Infant Mortality Reduction Activities

Overall infant mortality rate for Michigan decreased from 7.1 % to 6.4% (Feb 2011 provisional data). 114,159 live births in 2011.

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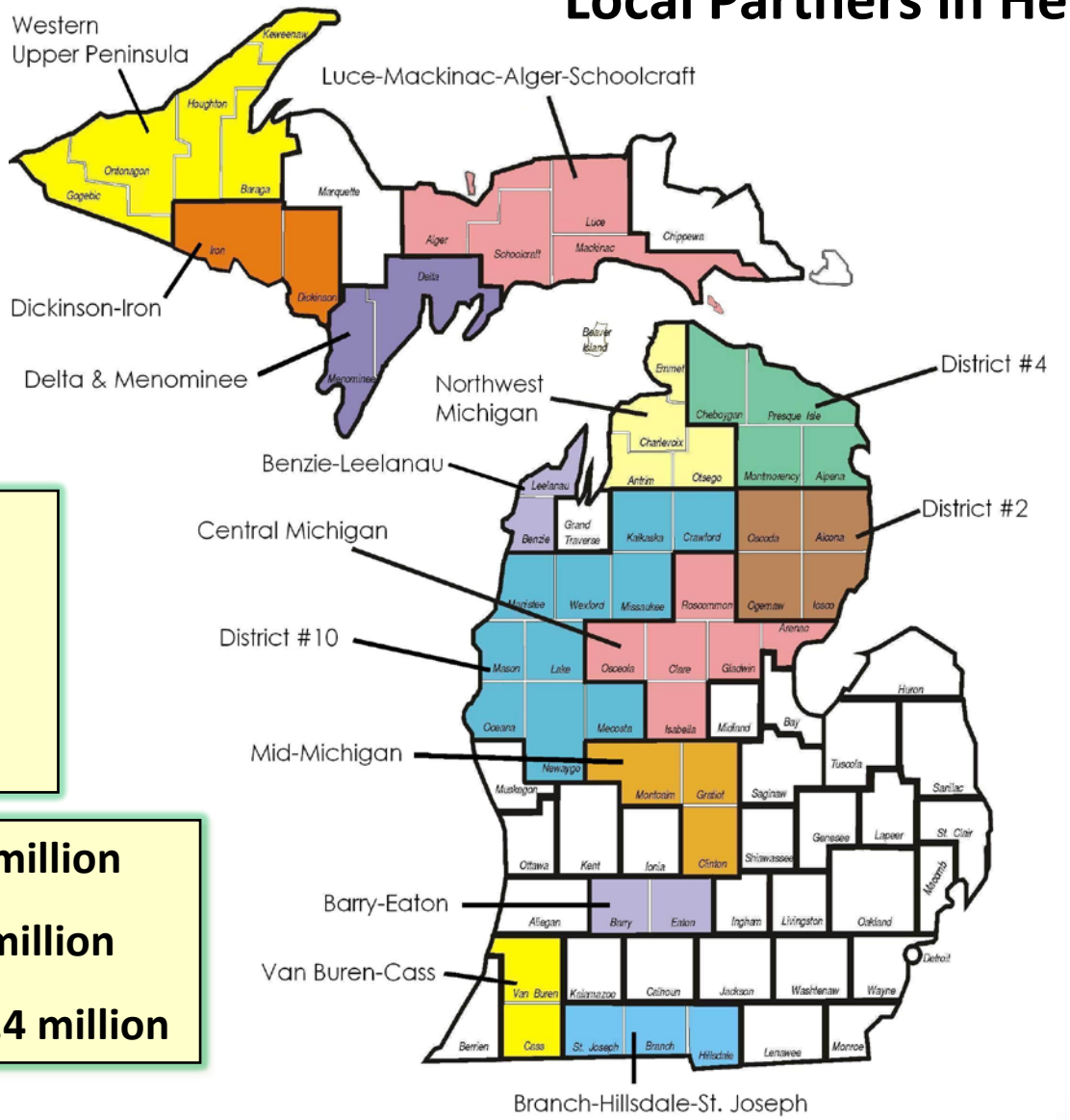
Local Public Health Services

Local Partners in Health



Local Health Departments:

30 County

14 District

1 City

Services: ~5 million

Visits: ~4.6 million

Patients: ~1.4 million

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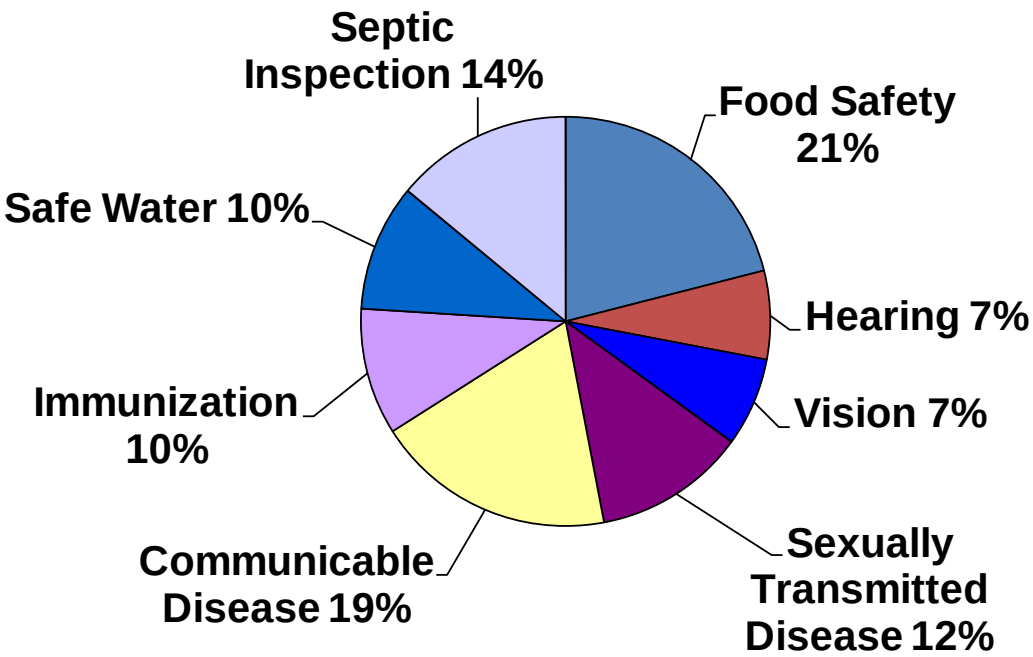
Local Public Health Services

Essential Local Public Health Services 2013 Funding Distribution



FY 2013 funding is $37,400,000

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Disease Prevention and Control

Public Health Laboratory

- ✓ 356,339 Services provided to individuals
- ✓ 102,776 Infectious specimens tested
- ✓ 121,786 Newborn screening specimens tested
- ✓ 42,058 Blood lead/environmental lead specimens tested
- ✓ 8,500 Fish monitoring program report downloads
- ✓ 1,000,000 Emergency notifications
- ✓ 48,160 Chemical & toxicological specimens tested

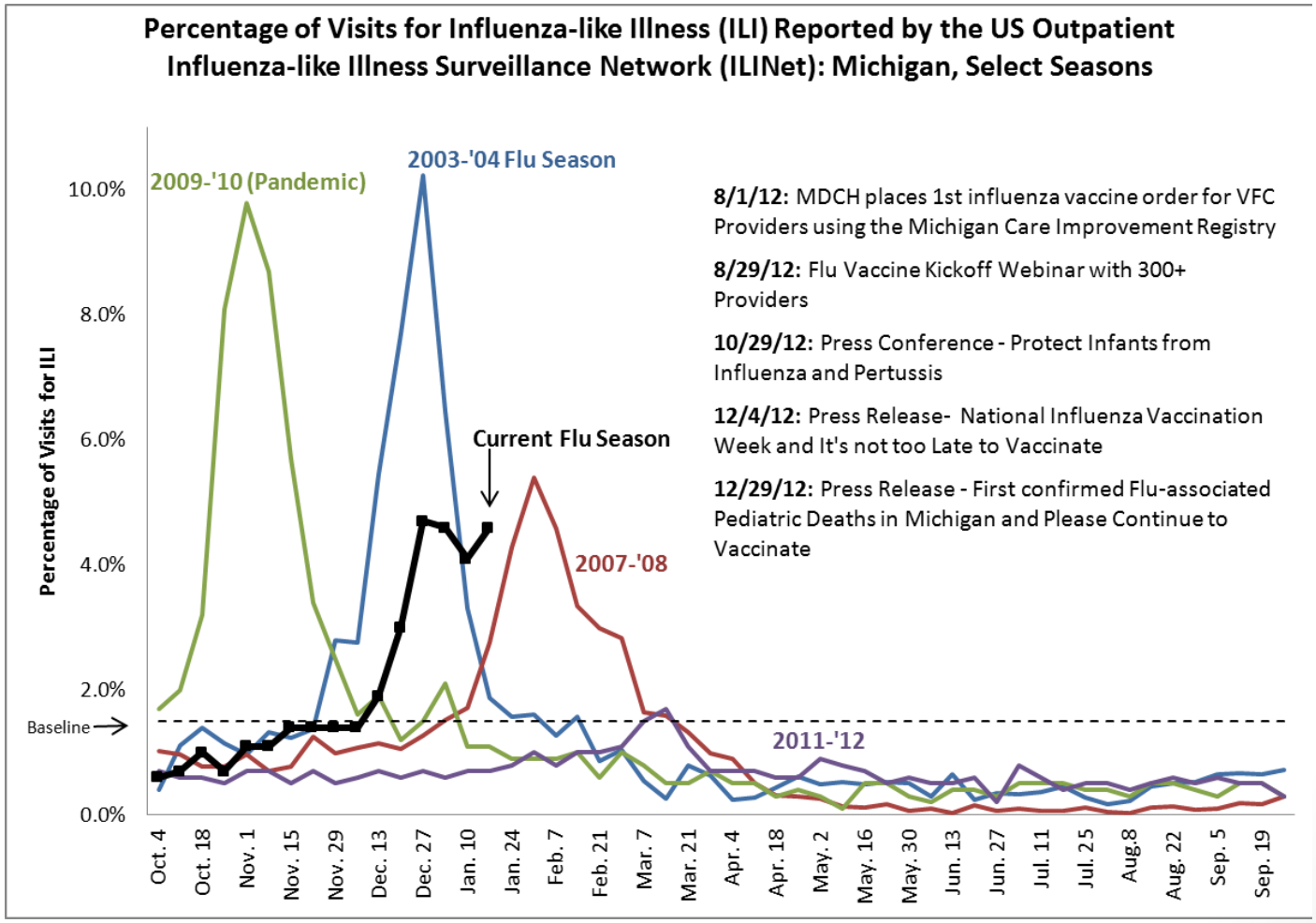
Disease Prevention and Control

Meningitis Outbreak Associated with Steroid Injections

- ✓ Approximately 2,000 Michigan patients were exposed to contaminated steroid injections.
- ✓ The outbreak has resulted in:
  - **249 Cases**
  - **16 Deaths**
- ✓ Over 20 MDCH staff have worked over 4,000 hours on this outbreak:
  - Coordinating response with local public health and the four facilities in receipt of the recalled product
  - Patient chart abstractions
  - Fungal clinic assessment
  - Public call-ins
  - Clinic outreach
  - Media relations coordinated with MDCH Communications Office
  - On-site clinic/hospital assistance
  - Laboratory specimen shipment
  - Patient outreach and administrative duties

Disease Prevention and Control

Fight the Flu



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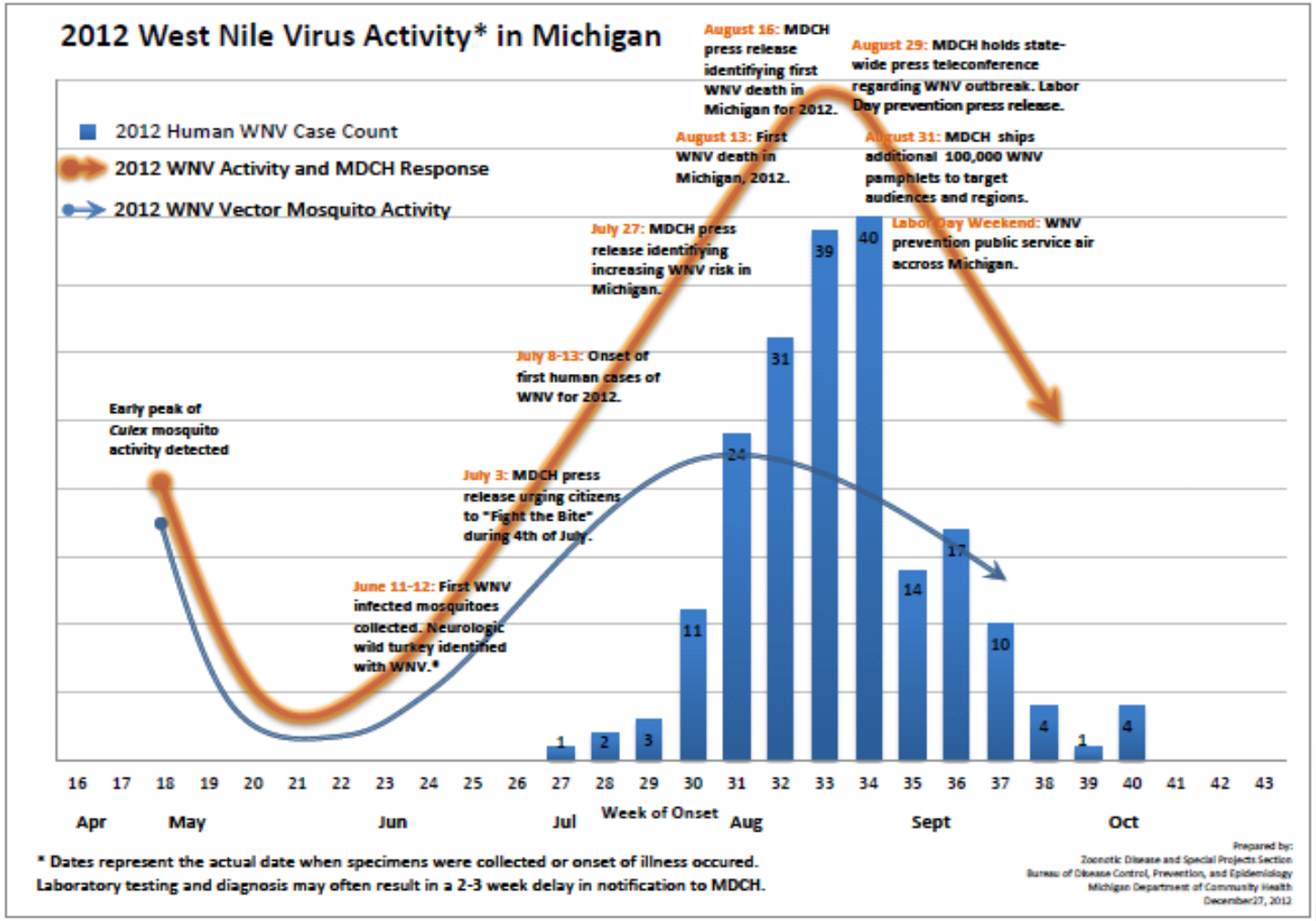
Disease Prevention and Control

West Nile Virus Response



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Disease Prevention and Control

HIV/AIDS

- ✓ 19,800 Michigan residents estimated to be living with HIV or AIDS (only 76% are aware of status)
- ✓ 102,039 duplicated clients received prevention services (consulting, testing, partner services, risk reduction and education)
- ✓ 6,886 persons living with HIV/AIDS received care and treatment services

Sexually Transmitted Disease Cases Diagnosed

- ✓ Chlamydia - 49,119
- ✓ Gonorrhea - 12,815
- ✓ Primary & Secondary Syphilis - 276

Note: Most recent data 2012

Family, Maternal and Child Health

Program Statistics

- ✓ 1,070,000 vision/hearing screenings
- ✓ 24,139 moms and infants reached through outreach & education
- ✓ 152,315 children tested for lead poisoning
- ✓ 1,200,000 children reached through the Michigan Model
- ✓ 160,300 children served in school based clinics
- ✓ 13 babies surrendered for safe delivery*
- ✓ 9,508 pregnant teens served with counseling, and prenatal care services

* On June 26, 2000, Michigan enacted the Safe Delivery of Newborns law. **Act No. 349, PA 2010 (SB 1119, 2009-2010)**Amends Section 15 of the Safe Delivery of Newborns Law.

Family, Maternal and Child Health

Supplemental Food Program for Women, Infants & Children (WIC)

- ✓ 255,954 monthly WIC participants
- ✓ 55% of infants born in MI are on WIC program
- ✓ $184,000,000 in food packages for 152,000 families (over $500,000 sales daily to local vendors)
- ✓ $14,000,000 in fresh fruits and vegetables provided to participants
- ✓ *Every Ounce Counts* campaign to increase breastfeeding rates
- ✓ Only nutritional food can be purchased under the program

Funding Source:
US Department of Agriculture - $205,400,000
Private Revenue - $58,300,000

Family, Maternal and Child Health

Children's Special Health Care Services (CSHCS)

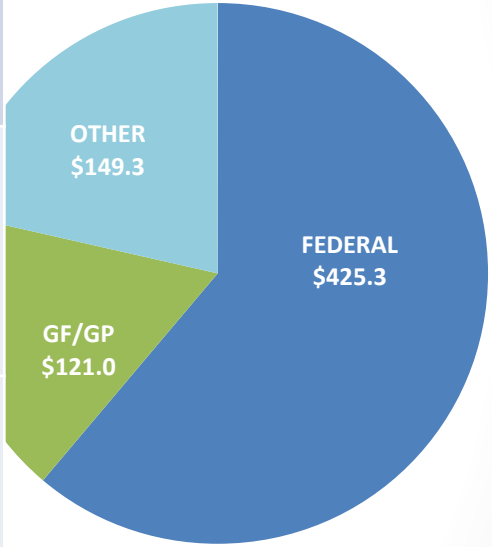
- ✓ **Assist individuals with special health care needs in accessing the broadest possible range of appropriate medical care, health education and supports**
- ✓ **35,484 Children served in Children's Health Care Services**
- ✓ **40% of Children served transitioned from fee for service to managed care**
  - Implemented on October 1, 2012
  - 14,000 children transitioned
  - Children in managed care receive same services as they had under fee for service
  - Children in managed care are appropriated from Medical Services where the health plans are managed
  - Fee for service children and administration continues to be appropriated in Public Health
  - 12 participating health plans
    - Must meet core competencies
    - Contractually obligated to maintain continuity of care and network availability

Public Health Preparedness

- ✓ Monitor 24/7/365 the health & safety of all people through surveillance and health security intelligence systems.
- ✓ Coordinate rapid delivery of emergency medications to the population within 48 hours of receipt.
- ✓ Maintain a 140-bed mobile medical field hospital to augment emergency health services.
- ✓ 8 Regional Healthcare Coalitions use a statewide electronic bed availability system to locate beds for patient care during a disaster.
- ✓ Provide support to community's local and regional health partners for emergency planning and response.
- ✓ Conduct exercises for protection of the population's health and quality improvement in emergency response.

Public Health – Budget (in millions)

	2013	2014
Children's Special Health Care Services	$301.0	$317.8
Children's Special Health Care Services - 14,000 Children transitioned to Managed Care in Medical Services Administration		(206.2)
Women, Infants, and Children Food and Nutrition (WIC) Program	270.1	274.1
Public Health Services	296.2	309.9
Total	$867.3	$695.6



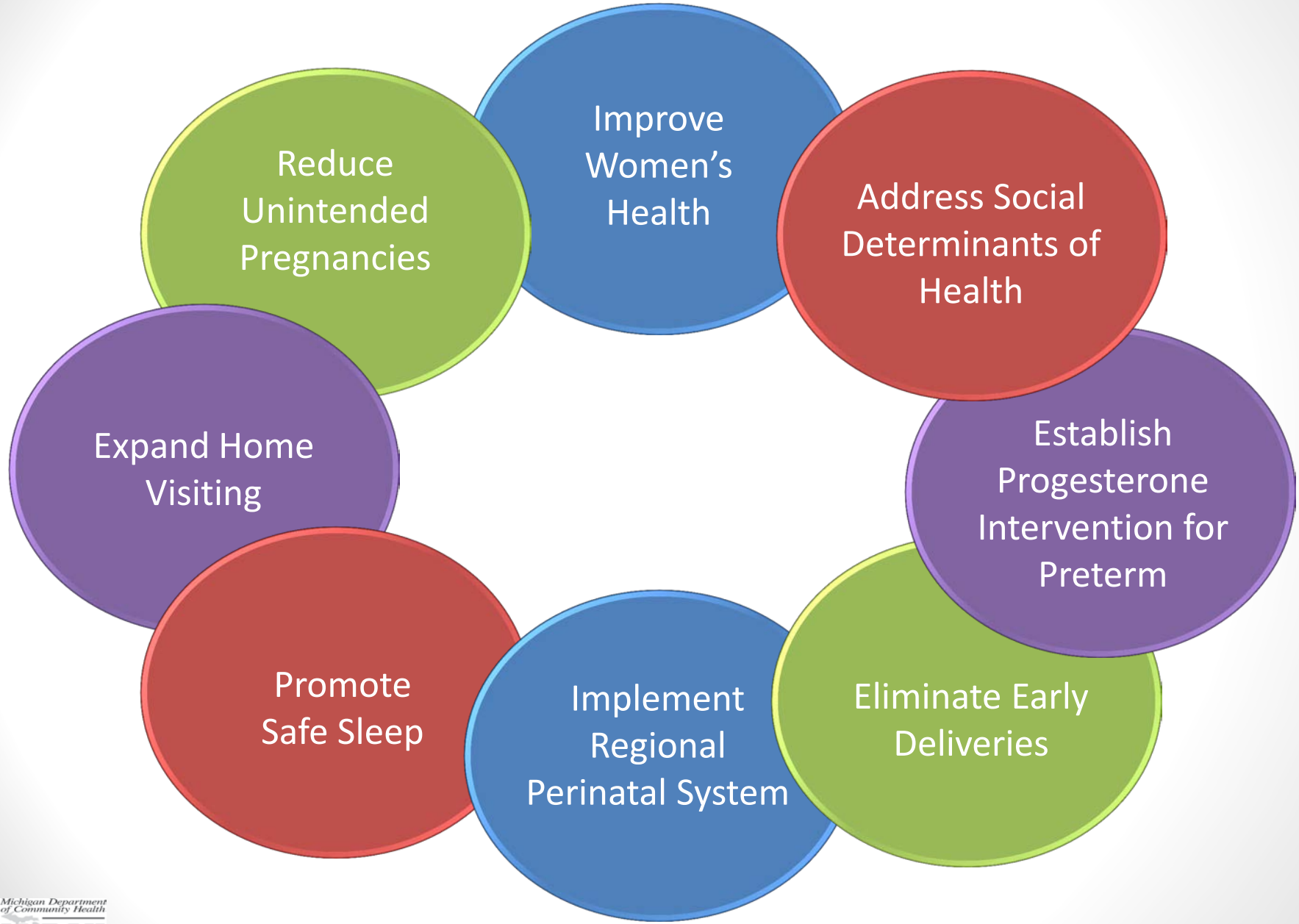
FY 2014 Public Health Program Investments/Fee Increases (in millions)

Description	FY 2014 Recommendation	
	GF/GP	Gross
Michigan Infant Mortality Plan	$2.5	$2.5
Health and Wellness Initiatives	$1.5	$1.5
Vital Records Fee Increase to Maintain Current Program	$0.0	$1.5

FY2014 Public Health Initiatives

- ✓ Utilize Michigan's Infant Mortality Reduction Plan to address disparities and save babies
  - Establish a strategy for improving the continuum from preconception to early childhood
  - Regional perinatal system
  - Safe sleep
- ✓ Identify and target chronic care hot spots
- ✓ Keep vital records program financially viable

Infant Mortality: Michigan's Plan



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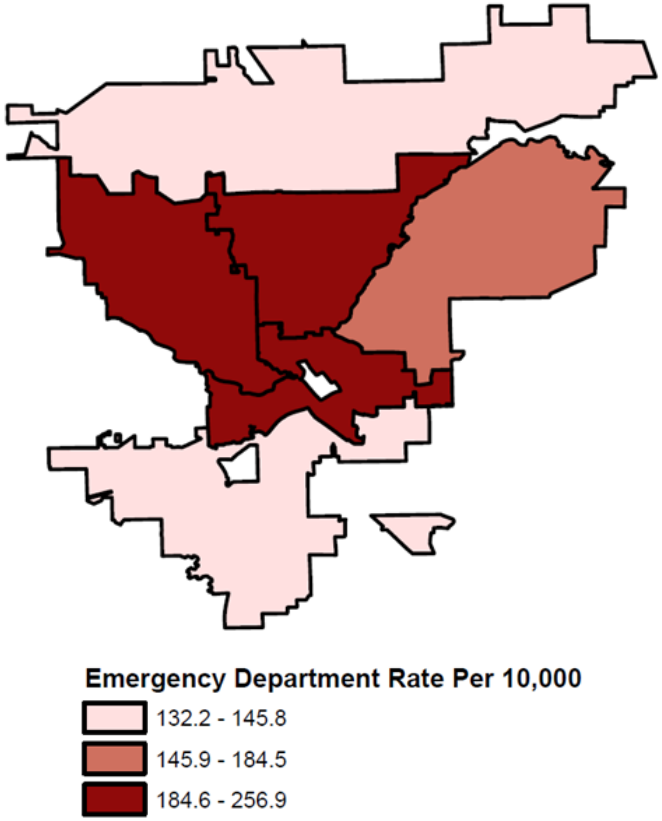
Chronic Care Hotspots: Asthma In Flint

Rates of Asthma-Related Emergency Department Visits Among Medicaid Children, 2010



Data Note: Medicaid children 17 years of age and younger by zip code.

Michael's Story

7 year old with severe asthma

- Hospitalized many times per year
- Missed 45 days of school
- Mother missed work to care for him

Enrolled in area's case management program

- Reduces hospital/emergency department visits by 60%
- Provides in-home asthma education
- Links to community resources
- Trains family members

"Now I'm a regular kid!"

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Proposed Fee Increase – Vital Records

- ✓ **Vital Records**
  - A fee increase is included in the FY 14 budget to raise approximately $1.5M in additional annual revenue
  - Fee collections have steadily declined in recent years
    - The number of births in Michigan has declined 15.8% between 2000 and 2010
    - Movement to the electronic age has resulted in increased operating costs as well as search and verification requests which are performed for a substantially lower fee than traditional paper certified copies
  - The state Vital Records system is important to Michigan citizens
    - The only centralized source of official records of Michigan births, deaths, marriages, divorces, and acknowledgements of parentage
    - The statistical data collected is the basis for:
      - University health research grants
      - Federal grants which support State of Michigan health programs and initiatives

MDCH Contact Info and Useful Links

Phone: (517) 373-3740

Website: http://www.michigan.gov/mdch

Facebook: http://www.facebook.com/michigandch

Twitter: @MIHealth, https://twitter.com/mihealth

Useful Links:

Executive Budget: http://www.michigan.gov/mibudget2014

MI Healthier Tomorrow: www.michigan.gov/mihealthiertomorrow

Michigan Health and Wellness: www.michigan.gov/healthymichigan

Medicaid Expansion: www.expandmedicaid.com

Michigan Vital Records: www.michigan.gov/vitalrecords

Michigan Infant Mortality:
http://www.michigan.gov/mdch/0%2C1607%2C7-132-2944_4669_4694---%2C00.html