



Public Health

Fiscal Year 2015

February 19, 2014

Presentation to House Appropriations Subcommittee on Community Health

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Our Guiding Principles

Mission

The Michigan Department of Community Health will 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.



Vision

Improving the experience of care, improving the health of populations, and reducing costs of health care.

Leadership, Excellence, Teamwork

Public Health Goals

- ✓ State leadership and organizational infrastructure to monitor and protect the health of the population of Michigan
- ✓ Integrated systems and policies to support a healthy start to life and continued wellness for all Michigan residents
- ✓ Resilient Michigan communities with the resources and knowledge to address public health needs

Public Health Strategic Priorities - 2014

- ✓ Implement an integrated chronic disease strategy that addresses comorbidities, mental health, and chronic care hot spots
- ✓ Increase access to dental care
- ✓ Review the Public Health Code to better meet and anticipate needs of Michigan residents
- ✓ Reduce prescription drug abuse and increase compliance
- ✓ Increase immunization rates
- ✓ Build upon the 4 x 4 Plan to reduce obesity and further collaborate with partners
- ✓ Improve response from local communities in emergency situations
- ✓ Reduce disparities in health outcomes
- ✓ Provide comprehensive population health monitoring
- ✓ Utilize Michigan's Infant Mortality Reduction Plan to support healthy babies growth and changes in disparities
- ✓ Implement cross-system collaborative strategies to improve health outcomes from preconception through adolescence

Protecting, Preserving and Promoting the Health of Michigan's Population

- ✓ 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

FY 2014 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**
 - Promote healthy babies
 - Home Visitation Program expansion
- ✓ **Family, Maternal and Child Health**
 - Women, Infants & Children (WIC)
 - Children's Special Health Care Services (CSHCS)
- ✓ **Local Public Health Services**
 - Local Partners in Health
 - Essential Local Public Health Services 2014 Funding Distribution
- ✓ **Disease Prevention and Control**
 - Public Health Laboratory
 - Influenza
 - West Nile Virus
 - Lead Abatement
- ✓ **Public Health Preparedness**
 - Exercise Mobile Medical Field Hospital
 - Promote Community Resilience

Public Health Successes

- ✓ 29% decrease in pregnancy rate in youth ages 15-17 from 2008-2011
- ✓ Approximately 1,000,000 school aged youth reached annually with Michigan Model for Health Curriculum
- ✓ 30,779 Michigan Childhood Immunization Registry active users
- ✓ 1,900,000 doses of vaccine processed by immunization program
- ✓ 70% increase in calls to the MI Tobacco Quitline from pregnant smokers
- ✓ 1,000,000 vision/hearing screenings
- ✓ 151,652 children tested for lead poisoning
- ✓ 225,494 children & youth served in child & adolescent school clinics
- ✓ 7,892 youth and 2,093 parents were served in the 21 Teen Pregnancy Prevention sites

Create a Healthier and Stronger Michigan

Implementing Michigan's 4 x 4 Plan

- ✓ MI Healthier Tomorrow public awareness campaign
 - Reduce obesity rate through awareness of healthy lifestyle options
 - Take the pledge to lose 10%
 - Over 28,000 people have taken the pledge since January, 2013

- ✓ Adding priority strategies for 2014-2019 to reduce obesity
 - Reduce childhood obesity with a focus on educational environments
 - Expand the role of health care system in obesity prevention
 - Make physical activity a routine part of daily life
 - Make healthy foods the routine, easy choice
 - Support community efforts to create local policy and environmental change
 - State level coordination

MI Healthier Tomorrow Campaign Partners

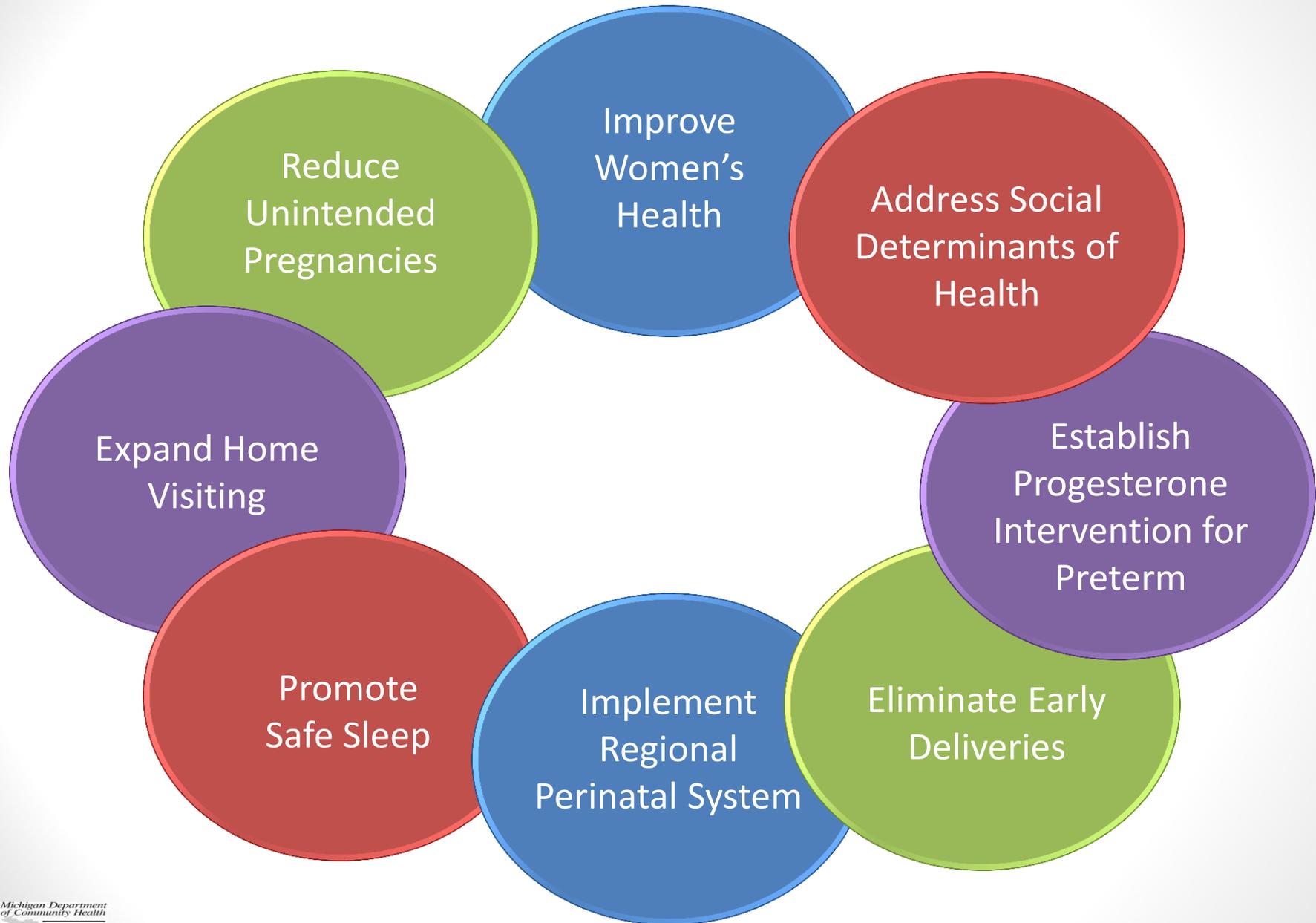


Create a Healthier and Stronger Michigan

Before-and after-school Healthy Exercise Program

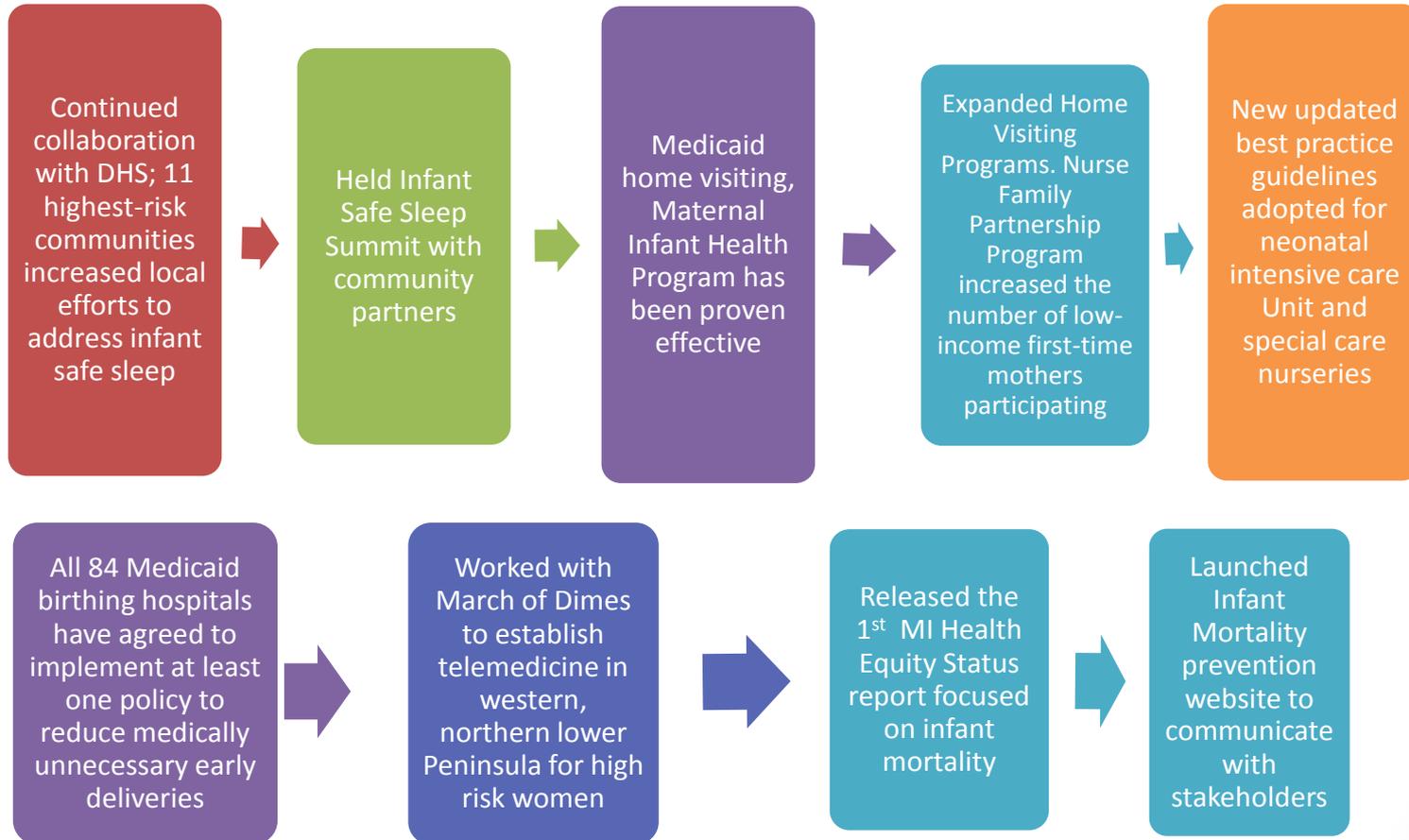
- ✓ Program is designed to increase healthy eating and physical activity among youth in kindergarten through sixth grade in out-of-school time settings
- ✓ MDCH awarded competitive funding to 12 grantees (65 programs, 6,000 youth):
 - Design and implement physical activity and healthy eating programs
 - 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, Gwinn Public Schools, Detroit and Pontiac

Infant Mortality: Michigan's Plan



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.

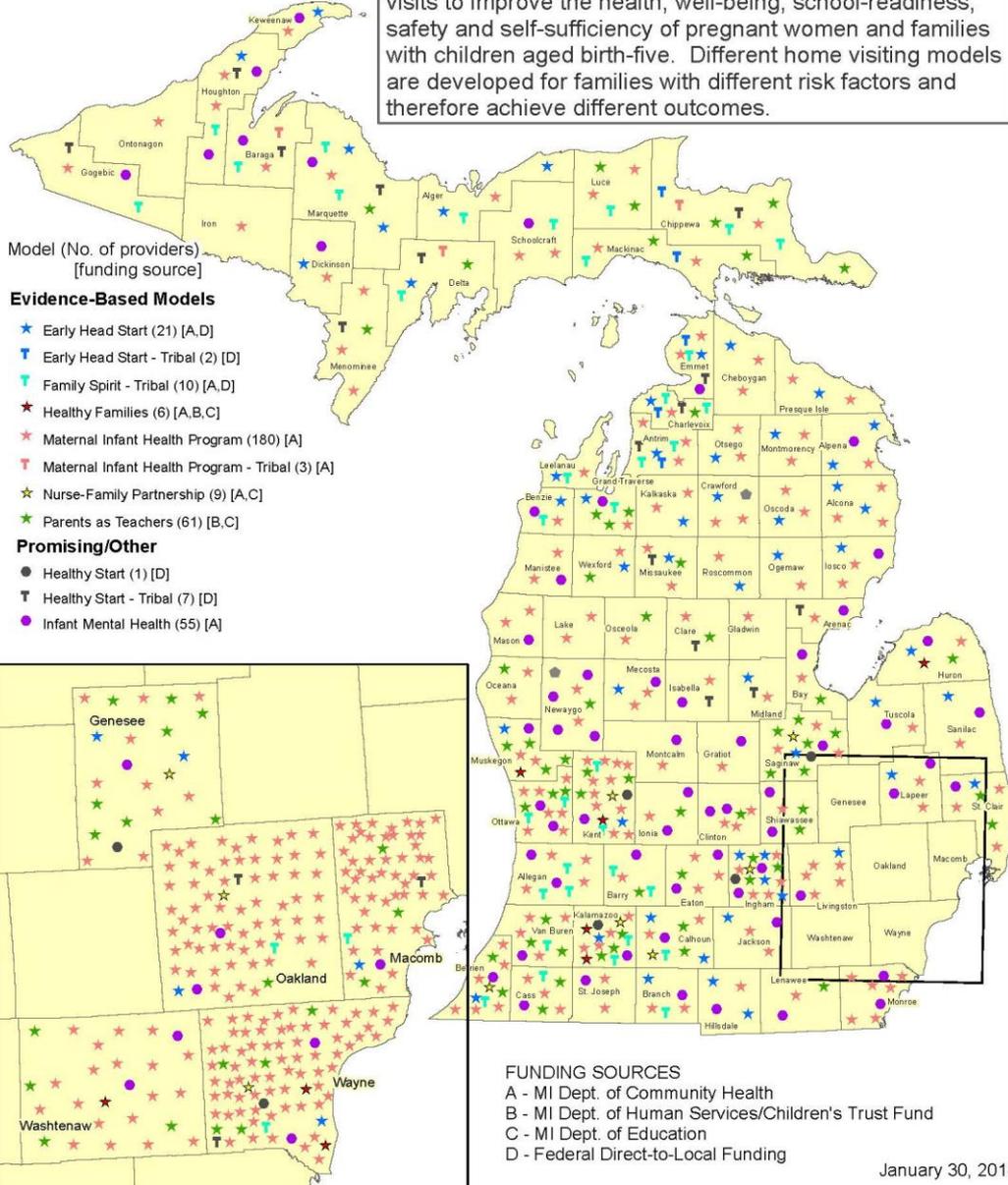
Infant Mortality: Home Visitation Programs

- ✓ Home visitation programs have been expanded over the last year to help promote healthier babies and reduce infant mortality.
- ✓ Home visitation programs tackle many complex issues to ensure improved birth outcomes, healthier infants and healthier families.
- ✓ Nurse-Family partnerships are up and running and have increased the number of low-income, first-time mothers participating.
- ✓ The Maternal Infant Health Program (MIHP) has been proven effective. Research evaluations were published in two professional peer review journals.

Home Visiting Programs

indicating counties served, model used and funding sources

Home visiting is a voluntary service providing periodic home visits to improve the health, well-being, school-readiness, safety and self-sufficiency of pregnant women and families with children aged birth-five. Different home visiting models are developed for families with different risk factors and therefore achieve different outcomes.



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
 - Supportive services

- ✓ 40,564 Children served in Children's Special Health Care Services

- ✓ 57% of Children served transitioned from fee for service to managed care
 - Implemented on October 1, 2012
 - 23,164 children served through managed care
 - Children in managed care receive same services as they had under fee for service
 - 12 participating health plans
 - Must meet core competencies
 - Contractually obligated to maintain continuity of care and network availability

Family, Maternal and Child Health

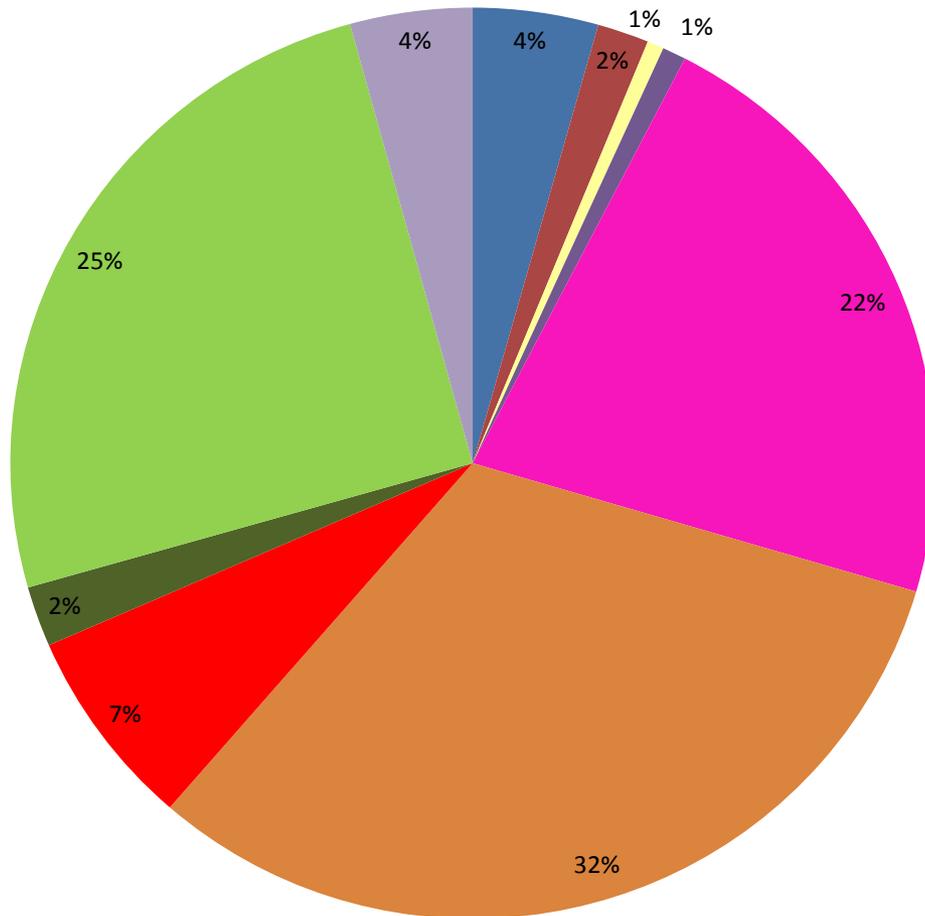
Supplemental Food Program for Women, Infants & Children (WIC)

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

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

Services Provided by Local Health Departments to Michigan Population



**Program Title and
Number of Services Provided**

- Food Inspections (85,586)
- Drinking and Public Water Supply Permits & Inspections (35,153)
- Beach and Pool Monitoring and Inspections (11,400)
- Septic System Permits (16,178)
- Hearing Screenings (428,668)
- Vision Screenings (621,362)
- Sexually Transmitted Diseases Tested and Treated (138,540)
- Human Immunodeficiency Virus Tests & Diagnosis (41,758)
- Immunization (490,586)
- Communicable Disease (Non STD) Reported (83,500)

Total Services Provided
1,952,731

Chronic Disease Co-morbidities

- ✓ 2.1 Million adults in MI have two or more chronic conditions
- ✓ Chronic diseases are the leading cause of death and disability
- ✓ Chronic disease risk factors include: physical inactivity, tobacco use & secondhand smoke exposure, and poor nutrition
- ✓ Even a small reduction in chronic disease prevalence will produce health and productivity cost savings
- ✓ Populations with multiple conditions tend to be the top users of hospital emergency rooms

Disease Prevention and Control

Reducing Tobacco Use

✓ Maternal smoking:

- Smoking during pregnancy affects the health of mom and the baby. For the baby the effects are immediate and lifetime.
- The Michigan Tobacco Quitline offers a special incentive program for prenatal and postnatal interventions.
- Since the introduction of the incentive program, prenatal calls and faxes to the Quitline increased by 70%.
- Contributing factors to increased awareness of the program include ongoing training and outreach to clinics and providers who improved assessment and referral for pregnant women.

Disease Prevention and Control

✓ **Human Immunodeficiency Virus (HIV)/Acquired Immunodeficiency Syndrome (AIDS)**

- 19,800 Michigan residents estimated to be living with HIV or AIDS (only 82% are aware of status)
- 147,042 prevention services provided (consulting, testing, partner services, risk reduction and education)
- 6,387 persons living with HIV/AIDS received care and treatment services

✓ **Sexually Transmitted Disease Cases Diagnosed**

- Chlamydia – 43,918
- Gonorrhea – 10,298
- Primary & Secondary Syphilis – 430

Disease Prevention and Control

✓ **Public Health Laboratory**

- Newly accredited by College of American Pathologists
- 6.7 Million testing services provided to 243,184 individuals
- 134,310 Infectious specimens tested
- Awarded new \$3.6 million contract for tuberculosis genotyping
- 122,127 Newborn screening specimens tested
- 26,181 Blood lead/environmental lead specimens tested
- 10,424 Fish monitoring program report downloads
- 56,859 Emergency notifications
- 261,991 Chemical & toxicological specimens tested

Disease Prevention and Control

Lead Abatement

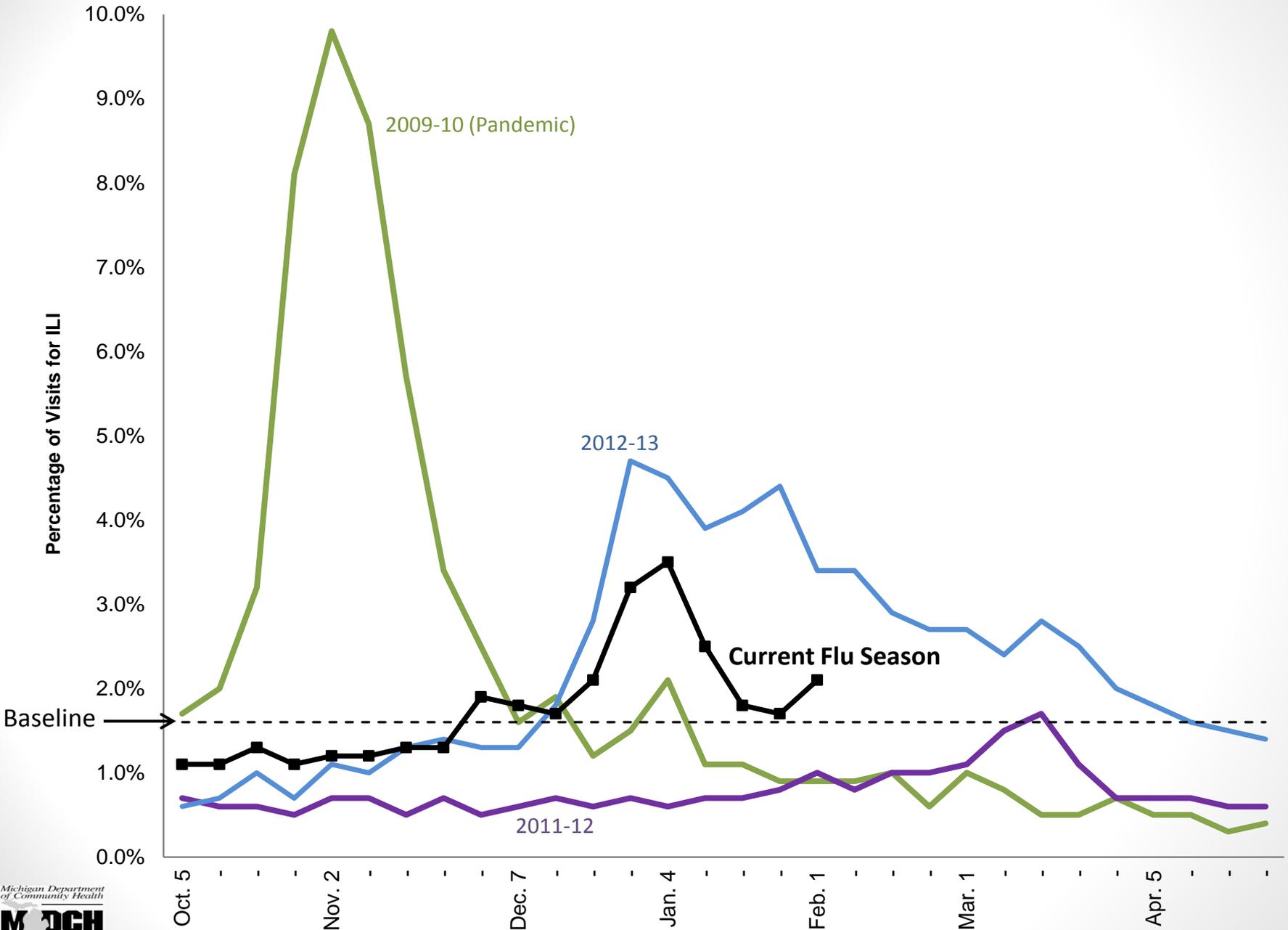
- ✓ **Abate 80 homes through the Lead Safe Home Program**
 - 16 homes completed or lead work in progress
 - Approximately 28 additional homes In or ready for bidding process
 - Bidding additional 10-12 units per month
 - 66 new applications for assistance received since funding began
 - Total applications on service list 152

Disease Prevention and Control

Diabetes and Integrated Programs

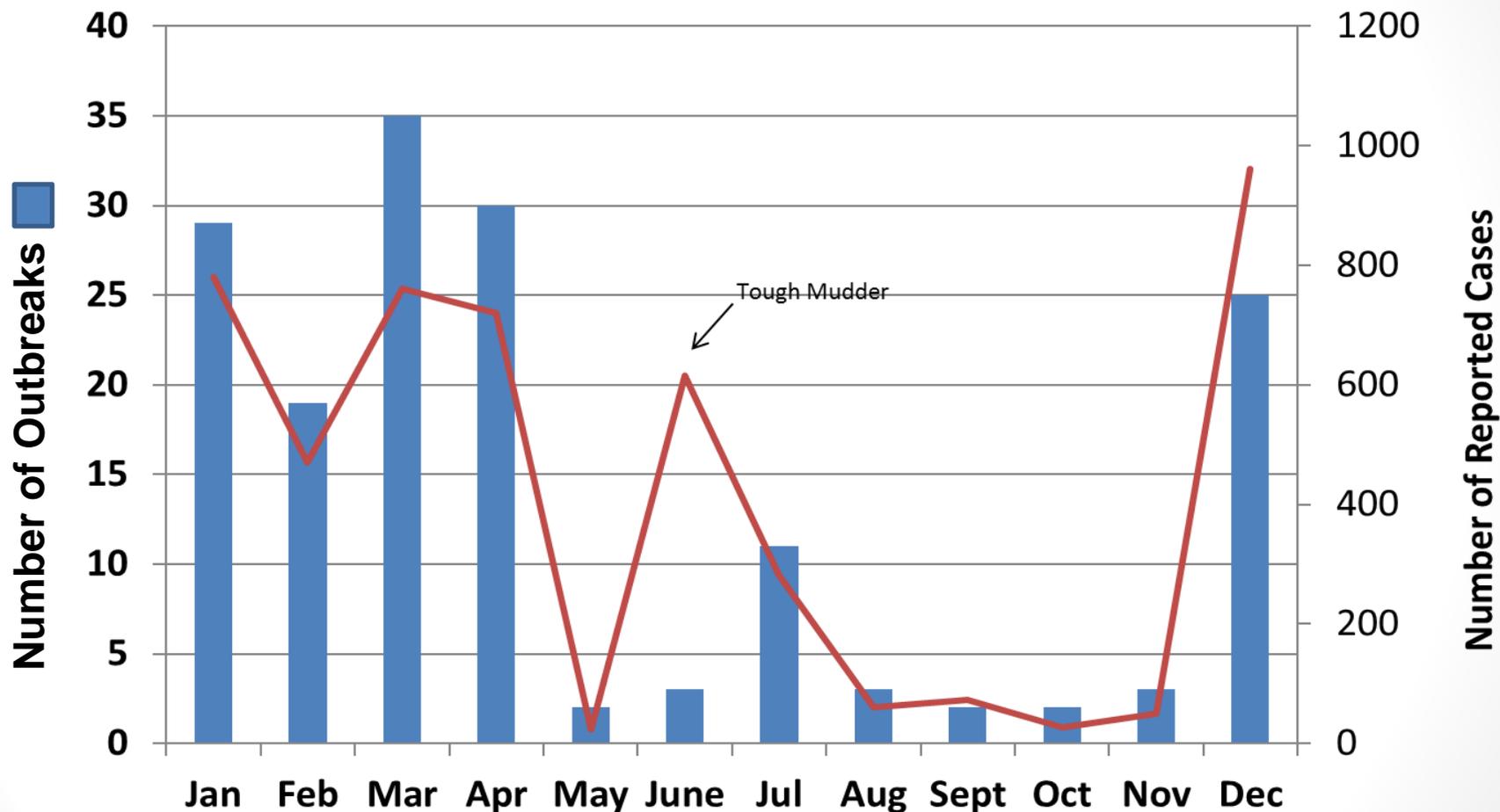
- ✓ The incidence of Type 2 Diabetes is directly related to the increasing rates of obesity
- ✓ Over 2.6 million adults in Michigan have Prediabetes
- ✓ The Diabetes program collaborates with many programs for the prevention and control of the disease:
 - Chronic disease self-management
 - Smoking cessation
 - Heart disease, hypertension and stroke
 - Obesity (nutrition education and weight reduction)
 - Arthritis
 - Asthma
 - Kidney disease
 - Disability management

Percentage of Visits for Influenza-like Illness (ILI) Reported by the US Outpatient Influenza-like Illness Surveillance Network (ILINet): Michigan, Select Seasons



Disease Prevention and Control

Norovirus-like Outbreaks Reported by Illness Onset Date per Month, Michigan 2013



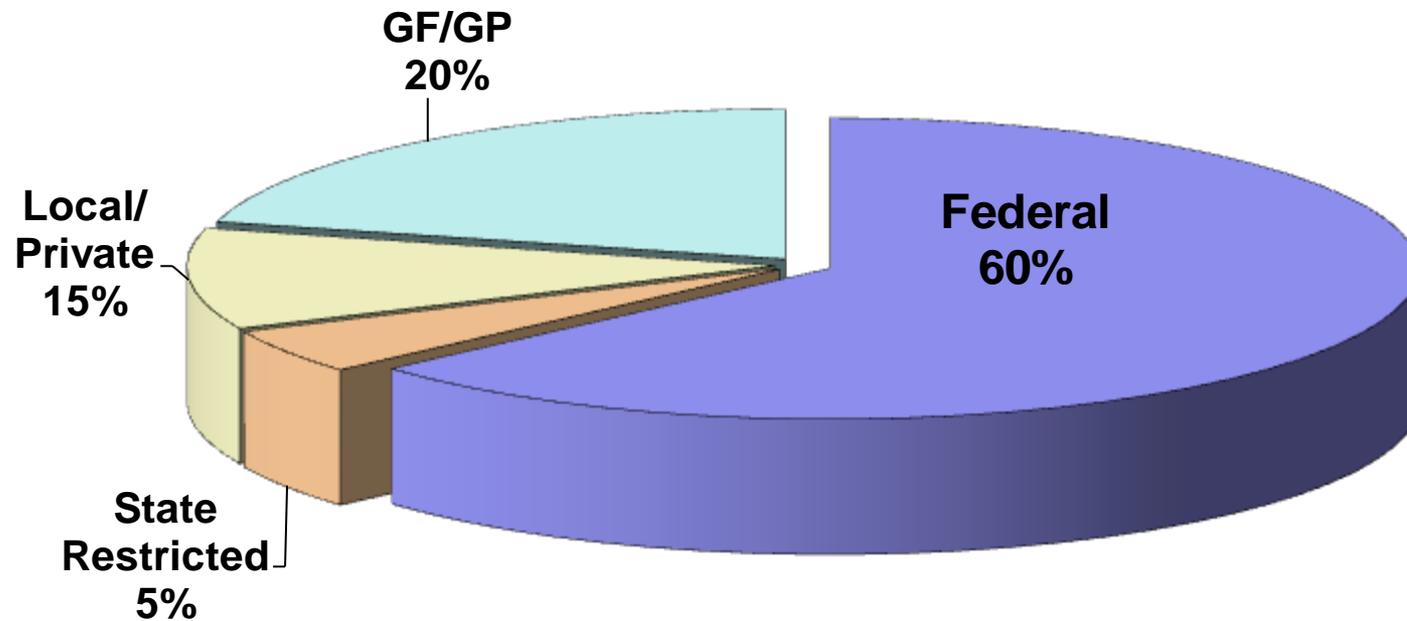
n = 164 outbreaks

*4,821 reported cases for 2013

Public Health Preparedness

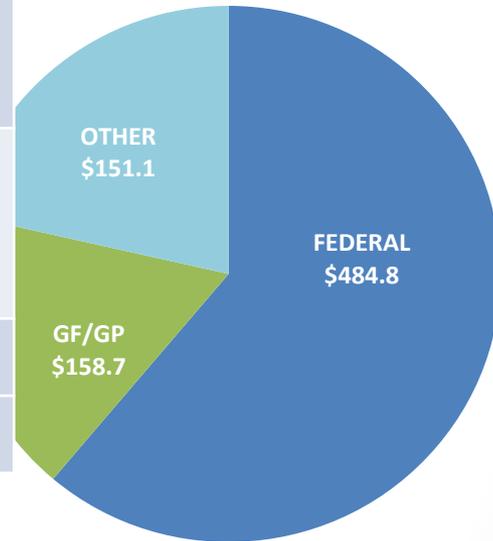
- ✓ Monitor 24/7/365 the health & safety of all people through surveillance and health security intelligence systems.
- ✓ Coordinate rapid delivery of emergency medications to the population within 48 hours of receipt.
- ✓ Maintain a 140-bed mobile medical field hospital to augment emergency health services.
- ✓ 8 Regional healthcare coalitions use a statewide electronic bed availability system to locate beds for patient care during medical surges and disasters.
- ✓ 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.

FY 14 Public Health Appropriation Revenue Sources by Percentage (4.4% of MDCH Budget)



Public Health – Budget (in millions)

	2014	2015
Children’s Special Health Care Services	\$161.6	\$202.1
Women, Infants, and Children Food and Nutrition (WIC) Program	274.1	274.2
Public Health Services	317.5	318.3
Total	\$753.2	\$794.6



FY 2015 Public Health Program Investments (in millions)

Description	FY 2015 Recommendation	
	GF/GP	Gross
Rural Home Visitation	\$2.5	\$2.5
Child and Adolescent Health Services pilot – one time appropriation	\$2.0	\$2.0

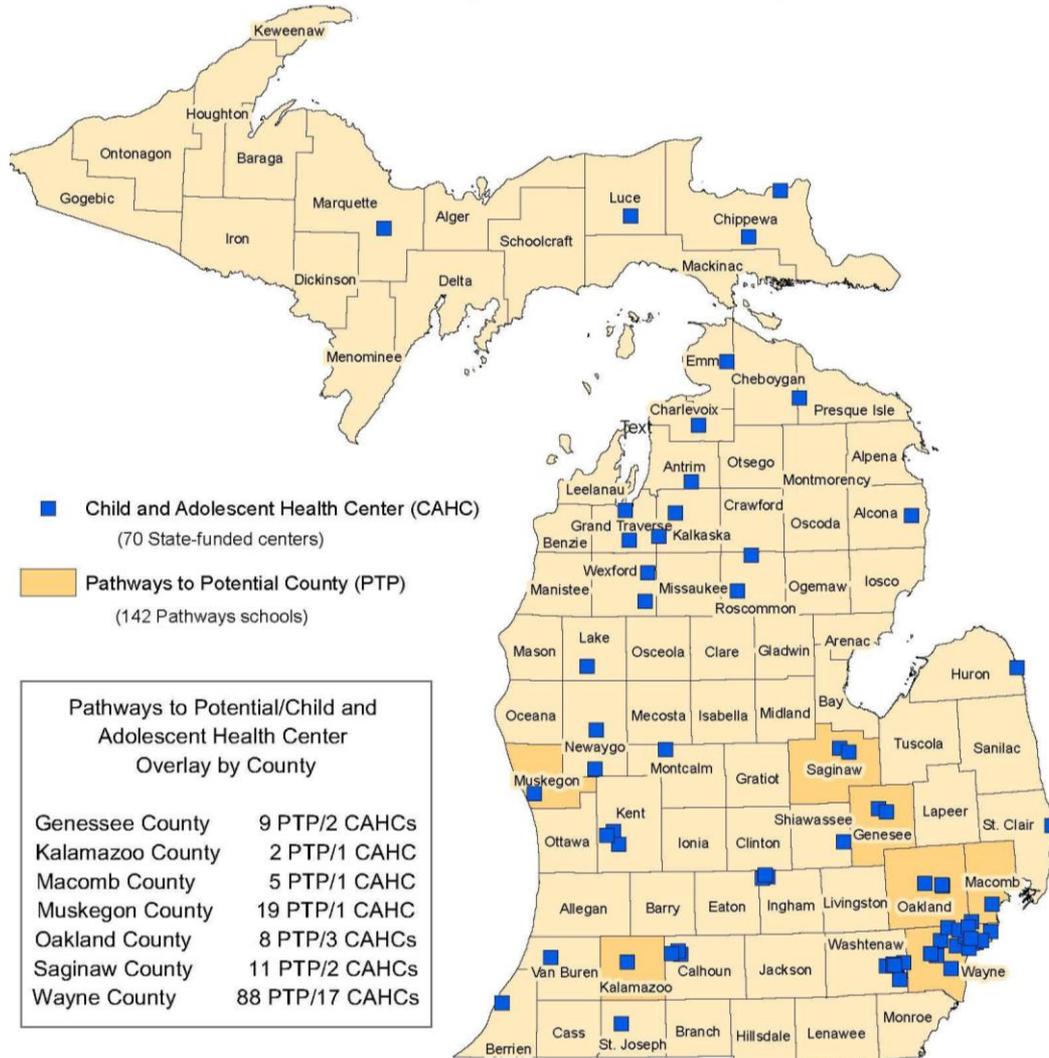
FY 2015 Public Health Initiatives

Support for Youth & Families

- ✓ Expand rural home visiting programs in the U.P. and Northern lower peninsula
 - Home visitation using evidence based models has:
 - Improved maternal and newborn health
 - Reduced child injuries, child abuse, neglect and maltreatment and reduction of emergency department visits
 - Improved school readiness and achievements
 - Reduced crime or domestic violence
 - Improved family economic self-sufficiency
 - improved coordination and referrals for other community resources and supports

- ✓ Child and Adolescent Health Center hub and satellite pilot
 - Pilot a new model for school health clinic hubs with satellites
 - Care focused on physical and behavioral health
 - Better access to high quality, coordinated services
 - Ability to reach more students with satellite services
 - In collaboration with DHS Pathways to Potential

Child and Adolescent Health Center Program and Pathways to Potential Map



January 29, 2014

MDCH Contact Info and Useful Links

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

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

Useful Links:

Executive Budget: <http://www.michigan.gov/mibudget2015>

MI Healthier Tomorrow: www.michigan.gov/mihealthiertomorrow

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

Michigan Vital Records: www.michigan.gov/vitalrecords

Michigan Infant Mortality: <http://www.michigan.gov/infantmortality>

Healthy Michigan Plan: www.michigan.gov/healthymichiganplan