2017 State Health Assessment Process & Update

Natalie Nguyen Durham
Director, Office of Data Management and Outcomes Assessment

Antonia Blinn
Director, Performance Management and Quality Improvement

September 13, 2017
Who Accredits Public Health Departments?

- PHAB is a non-profit, voluntary public health accreditation organization founded in 2007 whose goal is to advance public health performance by providing a national framework of standards for tribal, state, local, and territorial health departments.

- PHAB is the national organization charged with administering the public health accreditation program.
MDPH Accreditation Journey

Pre-application
September 8, 2014

Application
November 3, 2014

Document Selection and Submission
May 19, 2016

Accreditation Feedback
March 2017

Update State Health Assessment
October 2017

Annual Reports

Site Visit
December 12-13, 2016

Reaccreditation
Every 5 years
What is a State Health Assessment? (SHA)

A report on the results from a collaborative, systematic process to:

- Collect, analyze, and interpret a prioritized subset of available state level data
- Provide context for health in Massachusetts
- Describe assets/resources to support health
- Update regularly (i.e. every 3-4 years)
MDPH House

VISION
Optimal health and well-being for all people in Massachusetts, supported by a strong public health infrastructure and healthcare delivery.

MISSION
Prevent illness, injury, and premature death; to ensure access to high quality public health and health care services; and to promote wellness and health equity for all people in the Commonwealth.

DATA
We provide relevant, timely access to data for DPH, researchers, press and the general public in an effective manner in order to target disparities and impact outcomes.

DETERMINANTS
We focus on the social determinants of health - the conditions in which people are born, grow, live, work and age, which contribute to health inequities.

DISPARITIES
We consistently recognize and strive to eliminate health disparities amongst populations in Massachusetts, wherever they may exist.

EVERYDAY EXCELLENCE
PASSION AND INNOVATION
INCLUSIVENESS AND COLLABORATION
Community Health & Health Needs Assessment Scan

- 42 Community Health Assessments & Community Health Needs Assessment documents collected and analyzed
  - 339 municipalities
  - ~ 6.47 million people covered
  - ~ 99% of the population
  - Includes roughly 698 Key Informant Interviews, 199 focus groups & 10,000 survey responses
### Prominent Health Issues

<table>
<thead>
<tr>
<th>Health Issue</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mental health</td>
<td>41</td>
</tr>
<tr>
<td>Alcohol and substance use</td>
<td>39</td>
</tr>
<tr>
<td>Chronic disease</td>
<td>38</td>
</tr>
<tr>
<td>Cancer</td>
<td>28</td>
</tr>
<tr>
<td>Lack of physical activity</td>
<td>24</td>
</tr>
<tr>
<td>Poor nutrition</td>
<td>23</td>
</tr>
<tr>
<td>Tobacco use</td>
<td>21</td>
</tr>
<tr>
<td>Reproductive health</td>
<td>16</td>
</tr>
<tr>
<td>Sexual health</td>
<td>16</td>
</tr>
<tr>
<td>Public safety</td>
<td>16</td>
</tr>
<tr>
<td>Homelessness</td>
<td>13</td>
</tr>
<tr>
<td>Housing conditions</td>
<td>13</td>
</tr>
<tr>
<td>Infectious disease</td>
<td>13</td>
</tr>
<tr>
<td>Domestic violence</td>
<td>12</td>
</tr>
<tr>
<td>Poverty</td>
<td>11</td>
</tr>
<tr>
<td>Suicide</td>
<td>9</td>
</tr>
<tr>
<td>Youth development</td>
<td>9</td>
</tr>
<tr>
<td>Elder health</td>
<td>8</td>
</tr>
<tr>
<td>Environmental conditions</td>
<td>7</td>
</tr>
<tr>
<td>Social isolation</td>
<td>7</td>
</tr>
<tr>
<td>Stroke</td>
<td>7</td>
</tr>
<tr>
<td>Injuries</td>
<td>6</td>
</tr>
<tr>
<td>Oral health</td>
<td>5</td>
</tr>
<tr>
<td>Emergency preparedness</td>
<td>1</td>
</tr>
</tbody>
</table>
State Health Assessment  Chapters Draft

- Preface
- Introduction
- Chapter 1: Population Characteristics
- Chapter 2: Maternal, Infant and Child Health
- Chapter 3: Environmental Health
- Chapter 4: Infectious Disease Prevention and Control
- Chapter 5: Injury and Violence Prevention
- Chapter 6: Addiction
- Chapter 7: Health Systems & Health Access
- Chapter 8: Wellness & Chronic Disease
## Population Characteristics
### Growing Diversity in MA


<table>
<thead>
<tr>
<th></th>
<th>US</th>
<th>MA</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Nativity</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Native Born</td>
<td>87%</td>
<td>85%</td>
</tr>
<tr>
<td>Foreign Born</td>
<td>13%</td>
<td>15%</td>
</tr>
<tr>
<td><strong>Language Preference</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>79%</td>
<td>78%</td>
</tr>
<tr>
<td>Other</td>
<td>21%</td>
<td>23%</td>
</tr>
<tr>
<td><strong>Refugee Arrivals</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Africa</td>
<td>32%</td>
<td>31%</td>
</tr>
<tr>
<td>Latin America &amp; Caribbean</td>
<td>3%</td>
<td>20%</td>
</tr>
<tr>
<td>East &amp; Southeast Asia</td>
<td>2%</td>
<td>1%</td>
</tr>
<tr>
<td>Near East &amp; South Asia</td>
<td>35%</td>
<td>39%</td>
</tr>
<tr>
<td>Europe &amp; Central Asia</td>
<td>28%</td>
<td>8%</td>
</tr>
</tbody>
</table>
Maternal, Infant & Child Health
Infant Mortality

Infant Mortality Rate by Race/Ethnicity, Massachusetts, 2005-2014

- White non-Hispanic
- Black non-Hispanic
- Hispanic
- Asian

Graph showing infant mortality rates for different racial/ethnic groups from 2005 to 2014.
Prevalence of Confirmed Blood Lead Levels ≥ 5 µg/dL by Community, among Children aged 9-47 months, 2016
Infectious Disease
Hepatitis C virus (HCV) Infections

Number of Confirmed and Probable HCV Cases among Persons Aged 15-29 Years
Massachusetts, 2007-2015

![Graph showing the number of confirmed and probable HCV cases among persons aged 15-29 years in Massachusetts from 2007 to 2015. The graph displays a steady increase in cases over the years, with a total of 19,612 cases reported.](image-url)
Homicide Rates by Race/Ethnicity and Sex, Ages 15-24, MA 2010-2014

<table>
<thead>
<tr>
<th>Race/Ethnicity</th>
<th>Rate per 100,000 persons</th>
</tr>
</thead>
<tbody>
<tr>
<td>White, Non-Hispanic</td>
<td>1.9</td>
</tr>
<tr>
<td>Black, Non-Hispanic</td>
<td>57.7</td>
</tr>
<tr>
<td>Hispanic</td>
<td>25.1</td>
</tr>
<tr>
<td>Total</td>
<td>10.8</td>
</tr>
</tbody>
</table>

* Rates for females were not calculated due to small numbers
Languages Spoken among English Speaking Community Health Workers, Massachusetts, 2016

- English only: 51%
- Any Spanish (1 or more languages including Spanish): 33%
- Any non-Spanish (1 or more languages not including Spanish): 16%

Top Populations Served by Massachusetts CHWs in 2016

- Homeless individuals: 44%
- Seniors (ages 65 and up): 38%
- Foreign nationals/immigrants/refugees: 38%
- Individuals without a PCP: 37%
- History of frequent hospitalization: 36%
- Children/adolescents: 32%
- Uninsured individuals: 29%
- History of frequent ED use: 25%
- Sexual minorities (i.e., LGBTQ): 25%
- Pregnant women and infants: 10%
- Isolated rural residents: 3%
- Farm workers: 3%
- Other special populations: 21%
- None of the above: 3%
Wellness and Chronic Disease

Obesity

Percent of Adults Meeting Criteria for Obesity, Massachusetts, 2015

- **Race**:
  - White non-Hispanic: 23.5%
  - Black non-Hispanic: 37.5%
  - Hispanic: 33.4%
  - Asian non-Hispanic: 7.3%

- **Disability**:
  - No disability: 20%
  - Disability: 34.4%

- **Education**:
  - College 4+ yrs: 17.3%
  - College 1–3 yrs: 26.5%
  - High School: 27.5%
  - Less than H. S.: 34.8%
Next Steps: Public Comment Period

Draft version available for public comment:
mass.gov/dph/healthofmassachusetts
Questions?