

# Community Health Needs Assessment Findings & Selection of Health Priorities January 21, 2016

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# Community Health Needs Assessment- Purpose:

- Examination of the health status of Cecil County residents to identify key health issues and assets available to address health issues.
- Provides the basis for the development of a Community Health Improvement Plan
  - This 3- year plan includes health priorities for the County and strategies to address health priorities.

# Community Health Needs Assessment- Methods:

- Community Health Survey
  - Online survey open to all Cecil County adult residents
  - Questions related to Demographics, Community Health, Quality of Life, and Access to Care
- Focus Groups
  - Elderly
  - Homeless
  - Spanish-speaking
- Review of Secondary Data
  - U.S. Census, MD SHIP, MD BRFSS, County Health Rankings, etc.

# Community Health Needs Assessment- Selection of Health Priorities:

- Community Health Survey participants were asked to select the 3 most important health issues in Cecil County
- Identified health issues are grouped into broader categories (Slide 7).
- Following the presentation of data, CHAC members will vote on the top 3 categories.
- Members will then break into smaller groups based on area of expertise and interest to select 2-3 topics under each category to address.

# Community Health Needs Assessment- Selection of Health Priorities:

- Members should vote on health priorities based on:
  - **Size:** How many people are affected
  - **Seriousness:** Does the health problem lead to death, disability, and reduced quality of life.
  - **Trends:** Has the health problem gotten better or worse over time
  - **Equity:** Are there specific groups that are more affected by the health problem
  - **Intervention:** Are there existing strategies available to address the health problem

# Community Health Needs Assessment- Selection of Health Priorities:

- Members should vote on health priorities based on:
  - **Feasibility:** Can we reasonably combat the health problem
  - **Value:** How does the community rate the importance of the health problem (see survey results)
  - **Consequences of Inaction:** What is the risk to the population resulting from inaction
  - **Social Determinant/ Root Cause:** Does the health problem impact other health issues

# Health Priority- Categories:

## Access to Care

Access to Healthcare (16.02%)  
Dental Health (10.27%)

## Behavioral Health

Illicit Drug Use/Problem Alcohol Use (80.90%)  
Mental Health (30.60%)  
Problem Gambling (0.62%)

## Chronic Disease

Cancer (13.76%)  
Diabetes (5.54%)  
Heart Disease and Stroke (5.75%)  
High Blood Pressure (3.49%)  
Obesity (18.69%)  
Respiratory/Lung Diseases (3.08%)  
Tobacco Use (8.21%)

## Communicable Disease

Infectious Diseases (1.44%)  
Vaccination (1.03%)

## Determinants of Health

Affordable Housing (10.68%)  
Educational Attainment (6.57%)  
Homelessness (34.50%)  
Poverty (18.69%)

## Environmental Health

Environmental Health (2.05%)

## Injury

Fall-related Injuries (0.41%)  
Firearm-related injuries (1.23%)  
Motor Vehicle/Pedestrian Injuries (1.64%)

## Reproductive Health

Maternal/ Infant health (3.70%)  
Sexually Transmitted Diseases (STDs) (2.67%)  
Teenage Pregnancy (6.37%)

## Violence

Child Abuse and Neglect (12.94%)  
Domestic Violence (4.72%)  
Homicide (3.49%)  
Rape/Sexual Assault (1.85%)  
Suicide (1.85%)

(%)= Percentage of Community Health Survey respondents that chose the topic as one of the top 3 most important health issues in Cecil County

# Access to Care- Access to Healthcare:

## Percentage of Population With No Health Insurance Coverage

|                 | 2012 | 2013 | 2014 |
|-----------------|------|------|------|
| <b>Cecil</b>    | 9.8  | 9.3  | 8.6  |
| <b>Maryland</b> | 10.7 | 10.5 | 9.9  |

HP 2020 Target: 100%

Source: U. S. Census Bureau, 2010-2014 American Community Survey, 5-Year Estimates.

## SHIP Measure: Uninsured Emergency Department Visits

### Percentage of persons without health insurance

|                 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|-----------------|------|------|------|------|------|------|
| <b>Cecil</b>    | 20.1 | 15.8 | 12.9 | 12.2 | 11.7 | 6.5  |
| <b>Maryland</b> | 19.6 | 17.1 | 15.8 | 15.7 | 15.2 | 11.0 |

MD 2017 Goal: 14.7

Source: Maryland Health Services Cost Review Commission (HSCRC), Research Level Statewide Outpatient Data Files

# Access to Care- Access to Healthcare:

## Ratio of Population to Primary Care Physicians

|                 | 2010    | 2011    | 2012    |
|-----------------|---------|---------|---------|
| <b>Cecil</b>    | 2,811:1 | 2,991:1 | 2,825:1 |
| <b>Maryland</b> | 1,153:1 | 1,134:1 | 1,045:1 |

Source: University of Wisconsin Population Health Institute. County Health Rankings. Accessible at [www.countyhealthrankings.org](http://www.countyhealthrankings.org).

## SHIP Measure: Persons with Usual Primary Care Provider

### Percentage of people who reported that they had a personal doctor or health care provider

|                 | 2011 | 2012 | 2013 |
|-----------------|------|------|------|
| <b>Cecil</b>    | 89.1 | 80.5 | 90.9 |
| <b>Maryland</b> | 83.0 | 83.4 | 79.4 |

MD 2017 Goal: 83.9

Source: Maryland DHMH Behavioral Risk Factor Surveillance System (BRFSS)

([www.marylandbrfss.org](http://www.marylandbrfss.org))

# Access to Care- Access to Healthcare:

## Percentage of Adults Who Visited a Doctor for a Routine Checkup During the Past Year

|                 | 2012 | 2013 | 2014 |
|-----------------|------|------|------|
| <b>Cecil</b>    | 73.0 | 77.2 | 78.2 |
| <b>Maryland</b> | 76.1 | 75.0 | 74.7 |

Source: Maryland Behavioral Risk Factor Surveillance System (BRFSS)

## SHIP Measure: Adolescents Who Received a Wellness Checkup in the Last Year

### Percentage of adolescents (ages 13-20 years old) enrolled in Medicaid (320+ days) who received a wellness visit during the past year

|                 | 2010 | 2011 | 2012 | 2013 |
|-----------------|------|------|------|------|
| <b>Cecil</b>    | 47.6 | 47.2 | 47.0 | 49.8 |
| <b>Maryland</b> | 51.5 | 53.4 | 52.6 | 54.7 |

MD 2017 Goal 57.4

Source: Maryland Medicaid Service Utilization

# Access to Care- Dental Health:

## SHIP Measure: Children Receiving Dental Care in the Last Year

Percentage of children (aged 0-20 years) enrolled in Medicaid (320+ days) who had a dental visit during the past year

|                 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-----------------|------|------|------|------|------|
| <b>Cecil</b>    | 46.9 | 51.2 | 53.5 | 57.2 | 53.1 |
| <b>Maryland</b> | 52.8 | 57.1 | 60.2 | 62.2 | 63.3 |

MD 2017 Goal: 64.6

Source: Maryland Medicaid Service Utilization

## SHIP Measure: Emergency Department Visit Rate for Dental Care

Emergency department visit rate related to dental problems  
(per 100,000 population)

|                 | 2010   | 2011   | 2012   | 2013   | 2014   |
|-----------------|--------|--------|--------|--------|--------|
| <b>Cecil</b>    | 1728.5 | 1690.1 | 1683.2 | 1690.1 | 1525.3 |
| <b>Maryland</b> | 767.5  | 789.6  | 816.7  | 809.0  | 779.7  |

MD 2017 Goal: 792.8

Source: Maryland Health Services Cost Review Commission (HSCRC), Research Level Statewide Outpatient Data Files

# Access to Care- Dental Health:

| Ratio of Population to Dentists |         |         |         |
|---------------------------------|---------|---------|---------|
|                                 | 2010    | 2012    | 2013    |
| <b>Cecil</b>                    | 3,374:1 | 2,676:1 | 2,754:1 |
| <b>Maryland</b>                 | 1,549:1 | 1,438:1 | 1,392:1 |

Source: University of Wisconsin Population Health Institute. County Health Rankings. Accessible at [www.countyhealthrankings.org](http://www.countyhealthrankings.org).

# Behavioral Health- Illicit Drug Use/Problem Alcohol Use:

## Percentage of Adults Reporting Excessive Drinking 2006-2012

|                 |     |
|-----------------|-----|
| <b>Cecil</b>    | 18% |
| <b>Maryland</b> | 15% |

Source: County Health Rankings

## SHIP Measure: Emergency Department Visits for Addictions-Related Conditions

### Rate of emergency department visits related to substance abuse disorders\* (per 100,000 population)

|                 | 2010   | 2011   | 2012   | 2013   | 2014   |
|-----------------|--------|--------|--------|--------|--------|
| <b>Cecil</b>    | 1538.6 | 2121.9 | 2234.8 | 2057.6 | 2165.7 |
| <b>Maryland</b> | 1122.4 | 1237.5 | 1398.2 | 1474.6 | 1591.3 |

\*Diagnoses include alcohol-related disorders and drug related disorders

MD 2017 Goal: 1400.9

Source: Maryland Health Services Cost Review Commission (HSCRC), Research Level Statewide Outpatient Data Files

# Behavioral Health- Illicit Drug Use/Problem Alcohol Use:

## Substance Use among Cecil County and Maryland High School Students, 2013

|  | <b>Cecil</b> | <b>Maryland</b> |
|--|--------------|-----------------|
| Percentage of students who had at least one drink of alcohol on one or more of the past 30 days  | 37.5%        | 31.2%           |
| Percentage of students who had five or more drinks of alcohol in a row, that is, within a couple of hours, on one or more of the past 30 days  | 23.0%        | 17.0%           |
| Percentage of students who used marijuana one or more times during their life  | 41.9%        | 35.9%           |
| Percentage of students who used marijuana one or more times during the past 30 days  | 23.9%        | 19.8%           |
| Percentage of students who used any form of cocaine, including powder, crack, or freebase one or more times during their life  | 6.5%         | 6.5%            |
| Percentage of students who used heroin one or more times during their life   | 4.5%         | 4.9%            |
| Percentage of students who have taken a prescription drug (such as OxyContin, Percocet, Vicodin, codeine, Adderall, Ritalin, or Xanax) without a doctor's prescription one or more times during their life | 15.7%        | 15.2%           |

Source: Maryland Youth Risk Behavior Survey (YRBS), 2013.

# Behavioral Health- Illicit Drug Use/Problem Alcohol Use:

## SHIP Measure: Drug-Induced Death Rate

### Drug-induced death rate per 100,000 population

|                 | 2007-2009 | 2008-2010 | 2009-2011 | 2010-2012 | 2011-2013 |
|-----------------|-----------|-----------|-----------|-----------|-----------|
| <b>Cecil</b>    | 21.6      | 21.2      | 27.4      | 29.5      | 26.5      |
| <b>Maryland</b> | 12.9      | 12.1      | 11.9      | 12.3      | 13.3      |

HP 2020 Target: 11.3      MD 2017 Goal: 12.6

Source: Maryland DHMH Vital Statistics Administration (VSA)

# Behavioral Health- Mental Health:

## SHIP Measure: Emergency Department Visits Related to Mental Health Conditions

| Rate of emergency department visits related to mental health disorders*<br>(per 100,000 population) |        |        |         |        |        |
|---|--------|--------|---------|--------|--------|
|   | 2010   | 2011   | 2012    | 2013   | 2014   |
| <b>Cecil</b>  | 7085.5 | 9974.8 | 10570.8 | 8901.6 | 5501.6 |
| <b>Maryland</b>   | 2780.8 | 3211.2 | 3500.6  | 3318.5 | 3442.6 |

\* Diagnoses include adjustment disorders, anxiety disorders, attention deficit disorders, disruptive behavior disorders, mood disorders, personality disorders, schizophrenia and other psychotic disorders, suicide and intentional self-inflicted injury and miscellaneous mental disorders.

MD 2017 Goal: 3152.6

Source: Maryland Health Services Cost Review Commission (HSCRC), Research Level Statewide Outpatient Data Files

## SHIP Measure: Hospitalization Rate Related to Alzheimer's and Other Dementias

| Rate of hospitalizations related to Alzheimer's or other dementias<br>(per 100,000 population) |       |       |       |       |       |
|--|-------|-------|-------|-------|-------|
|  | 2010  | 2011  | 2012  | 2013  | 2014  |
| <b>Cecil</b>   | 314.1 | 264.5 | 204.2 | 199.3 | 136.5 |
| <b>Maryland</b>  | 291.1 | 267.8 | 247.6 | 221.6 | 194.1 |

MD 2017 Goal: 199.4

Source: Maryland Health Services Cost Review Commission (HSCRC), Research Level Statewide Inpatient Data Files

# Behavioral Health- Mental Health:

## Average number of reported mentally unhealthy days per month among adults 18 years and over

2006- 2012

**Cecil**

3.9

**Maryland**

3.2

Source: Maryland Behavioral Risk Factor Surveillance System (BRFSS)

## Depression and Thoughts of Suicide Among High School Students

### Health Risk Behavior

**Cecil**

**Maryland**

Percentage of students who felt so sad or hopeless almost every day for two weeks or more in a row that they stopped doing some usual activities during the past 12 months

27.5%

27.0%

Percentage of students who seriously considered attempting suicide during the past 12 months

15.5%

16.0%

Source: Maryland Youth Risk Behavior Study (YRBS), 2013

# Behavioral Health- Problem Gambling:

- According to a 2010 UMBC survey:
  - 90% of the Maryland population has gambled in their lifetime.
  - 21.9% gamble monthly
  - 15.3% gamble weekly
  - 3.4% are considered to be pathological or problem gamblers
- Source: UMBC Maryland Institute for Policy Analysis and Research. Gambling Prevalence in Maryland: A Baseline Analysis. May 2011.

# Chronic Disease: Cancer

- In 2013, there were 217 total deaths due to cancer in Cecil County.
- Number of deaths from select cancers, 2013:
  - Trachea, Bronchus and Lung: 73
  - Colon, Rectum and Anus: 12
  - Pancreas: 12
  - Breast: 9
  - Prostate: 7
- Source: Maryland DHMH Vital Statistics Administration

## SHIP Measure: Age-Adjusted Mortality Rate from Cancer

Age-adjusted mortality rate from cancer (per 100,000 population)

|                 | 2007-2009 | 2008-2010 | 2009-2011 | 2010-2012 | 2011-2013 |
|-----------------|-----------|-----------|-----------|-----------|-----------|
| <b>Cecil</b>    | 220.2     | 206.0     | 196.7     | 188.4     | 189.4     |
| <b>Maryland</b> | 179.3     | 176.8     | 171.4     | 166.8     | 163.8     |

HP 2020 Target: 160.6      MD 2017 Goal: 147.4

Source: Maryland DHMH Vital Statistics Administration (VSA)

# Chronic Disease: Diabetes

- Age-adjusted death rate due to Diabetes, 2011-2013
  - Cecil County: 19.4 per 100,000 population
  - Maryland: 19.6 per 100,000 population
    - Source: Maryland DHMH Vital Statistics Administration

## SHIP Measure: Emergency Department Visit Rate Due to Diabetes

| Emergency department visit rate due to diabetes<br>(per 100,000 population) |       |       |       |       |       |
|---|-------|-------|-------|-------|-------|
|   | 2010  | 2011  | 2012  | 2013  | 2014  |
| <b>Cecil</b>  | 185.4 | 214.4 | 212.0 | 215.8 | 250.2 |
| <b>Maryland</b>   | 177.3 | 180.9 | 194.8 | 192.1 | 204.0 |

MD 2017 Goal: 186.3

Source: Maryland Health Services Cost Review Commission (HSCRC), Research Level Statewide Outpatient Data Files

# Chronic Disease: Heart Disease and Stroke

## SHIP Measure: Age-Adjusted Mortality Rate from Heart Disease

| Age-adjusted mortality rate from heart disease<br>(per 100,000 population) |           |           |           |           |           |
|--|-----------|-----------|-----------|-----------|-----------|
|  | 2007-2009 | 2008-2010 | 2009-2011 | 2010-2012 | 2011-2013 |
| <b>Cecil</b>   | 224.5     | 210.9     | 199.7     | 191.8     | 193.8     |
| <b>Maryland</b>  | 196.8     | 193.0     | 181.5     | 174.9     | 171.7     |

HP 2020 Target: 152.7      MD 2017 Goal: 166.3

Source: Maryland DHMH Vital Statistics Administration (VSA)

- Age- adjusted death rate due to Stroke, 2011-2013
  - Cecil County: 43.6 per 100,000 population
  - Maryland: 36.5 per 100,000 population
    - Source: Maryland DHMH Vital Statistics Administration

# Chronic Disease: High Blood Pressure

## SHIP Measure: Emergency Department Visit Rate Due to Hypertension

| Emergency department visits due to hypertension<br>(per 100,000 population) |       |       |       |       |       |
|---|-------|-------|-------|-------|-------|
|   | 2010  | 2011  | 2012  | 2013  | 2014  |
| <b>Cecil</b>  | 167.1 | 209.3 | 197.7 | 234.7 | 241.2 |
| <b>Maryland</b>   | 205.9 | 226.3 | 244.1 | 246.3 | 252.2 |

MD 2017 Goal: 234.0

Source: Maryland Health Services Cost Review Commission (HSCRC), Research Level Statewide Outpatient Data Files

# Chronic Disease: Obesity

## SHIP Measure: Adults Who Are a Healthy Weight

| Percentage of adults who are at a healthy weight |      |      |      |
|--|------|------|------|
|  | 2011 | 2012 | 2013 |
| <b>Cecil</b>                                     | 25.0 | 29.7 | 31.6 |
| <b>Maryland</b>                                  | 35.6 | 36.2 | 35.8 |

HP 2020 Target: 33.9      MD 2017 Goal: 36.6

Source: Maryland DHMH Behavioral Risk Factor Surveillance System (BRFSS)  
([www.marylandbrfss.org](http://www.marylandbrfss.org))

## SHIP Measure: Children and Adolescents Who Are Obese

| Percentage of children and adolescents who are obese |                    |                    |
|--|--------------------|--------------------|
|  | 2010 (high school) | 2013 (high school) |
| <b>Cecil</b>   | 12.1               | 13.2               |
| <b>Maryland</b>                                      | 11.7               | 11.0               |

HP 2020 Target: 16.1      MD 2017 Goal: 10.7

Source: Maryland Youth Risk Behavior Survey (YRBS)

# Chronic Disease: Obesity

## SHIP Measure: Increase Physical Activity

### Percentage of adults reporting adequate amounts of physical activity

|                 | 2011 | 2012 | 2013 |
|-----------------|------|------|------|
| <b>Cecil</b>    | 55.2 | 49.7 | 39.1 |
| <b>Maryland</b> | 48.7 | 51.8 | 48.0 |

HP 2020 Target: 47.9      MD 2017 Goal: 50.4

Source: Maryland DHMH Behavioral Risk Factor Surveillance System (BRFSS)

([www.marylandbrfss.org](http://www.marylandbrfss.org))

# Chronic Disease: Respiratory/ Lung Diseases

- Cecil County deaths due to select conditions, 2013:
  - Trachea, Bronchus and Lung Cancer: 73
  - Chronic Lower Respiratory Diseases: 66
- Age-adjusted death rate due to Chronic Lower Respiratory Diseases, 2011-2013
  - Cecil County: 68.4 per 100,000 population
  - Maryland: 32.9 per 100,000 population
    - Source: Maryland DHMH Vital Statistics Administration

## SHIP Measure: Emergency Department Visit Rate Due to Asthma

| Rate of emergency department visits due to asthma per 100,000 population |      |      |      |      |      |
|--|------|------|------|------|------|
|  | 2010 | 2011 | 2012 | 2013 | 2014 |
| <b>Cecil</b>   | 42.1 | 44.7 | 42.9 | 43.6 | 47.0 |
| <b>Maryland</b>  | 68.3 | 70.2 | 75.3 | 69.4 | 68.3 |

MD 2017 Goal: 62.5

Source: Maryland Health Services Cost Review Commission (HSCRC), Research Level Statewide Outpatient Data Files

# Chronic Disease: Tobacco Use

## SHIP Measure: Adults Who Currently Smoke

| Percentage of adults who currently smoke |      |      |      |
|--|------|------|------|
|  | 2011 | 2012 | 2013 |
| <b>Cecil</b>                             | 23.9 | 23.0 | 18.0 |
| <b>Maryland</b>                          | 19.1 | 16.2 | 16.4 |

HP 2020 Target: 12.0      MD 2017 Goal: 15.5

Source: Maryland DHMH Behavioral Risk Factor Surveillance System (BRFSS)  
([www.marylandbrfss.org](http://www.marylandbrfss.org))

## SHIP Measure: Adolescents Who Use Tobacco Products

| Percentage of adolescents who used any tobacco product in the last 30 days |      |      |
|--|------|------|
|  | 2010 | 2013 |
| <b>Cecil</b>   | 29.4 | 24.6 |
| <b>Maryland</b>  | 24.8 | 16.9 |

HP 2020 Target: 21.0      MD 2017 Goal: 15.2

Source: Maryland Youth Risk Behavior Survey (YRBS)

# Communicable Disease: Infectious Diseases

- Hepatitis, Acute:
  - Hepatitis A: 7 cases 2005-2014
  - Hepatitis B: 36 cases 2005-2014
  - Hepatitis C: 36 cases 2005-2014
- Measles: 0 cases 2005-2014
- Meningitis:
  - Viral: 53 cases 2005-2014
  - Bacterial: 10 cases 2005-2014
- Mumps: 3 cases 2005-2014
- Rubella: 0 cases 2005-2014
- Pertussis: 8 cases 2005-2014
- Tetanus: 0 case 2005-2014
- Tuberculosis (TB): 11 cases 2005-2014
  - Source: Cecil County Health Department. Communicable Disease Report 2014; Maryland DHMH. Cases of Selected Notifiable Conditions Reported in Maryland .

# Communicable Disease: Vaccination

## SHIP Measure: Children (19- 35 Months Old) Who Receive Recommended Vaccines

| Percentage of children (19-35 months) who received the recommended vaccines |      |      |      |      |      |
|---|------|------|------|------|------|
|   | 2009 | 2010 | 2011 | 2012 | 2013 |
| <b>Maryland</b>   | 78.0 | 65.9 | 78.0 | 67.1 | 75.8 |

Note: There is no county level data available for this measure.

HP 2020 Target: 80.0      MD 2017 Goal: 72.0

Source: Centers for Disease Control National Immunization Survey (NIS)

## SHIP Measure: Annual Seasonal Influenza Vaccinations

| Percentage of adults who are vaccinated annually against seasonal influenza |      |      |      |
|---|------|------|------|
|   | 2011 | 2012 | 2013 |
| <b>Cecil</b>  | 44.9 | 42.4 | 46.4 |
| <b>Maryland</b>   | 41.0 | 41.4 | 44.6 |

HP 2020 Target: 70.0      MD 2017 Goal: 49.1

Source: Maryland DHMH Behavioral Risk Factor Surveillance System (BRFSS)

([www.marylandbrfss.org](http://www.marylandbrfss.org))

# Determinants of Health: Affordable Housing

## SHIP Measure: Affordable Housing

Percentage of housing units sold that are affordable on the median teacher's salary

|                 | 2010 | 2011 | 2012 | 2013 |
|-----------------|------|------|------|------|
| <b>Cecil</b>    | 39.3 | 46.8 | 61.3 | 56.9 |
| <b>Maryland</b> | 40.2 | 48.1 | 52.8 | 53.1 |

MD 2017 Goal: 54.4

Source: Maryland Department of Planning (MDP)

# Determinants of Health: Educational Attainment

## SHIP Measure: Students Entering Kindergarten Ready to Learn

### Percentage of students who enter Kindergarten ready to learn

|                 | 2010-2011 | 2011-2012 | 2012-2013 | 2013-2014 |
|-----------------|-----------|-----------|-----------|-----------|
| <b>Cecil</b>    | 80.0      | 78.0      | 74.0      | 80.0      |
| <b>Maryland</b> | 81.0      | 83.0      | 82.0      | 83.0      |

MD 2017 Goal: 85.5

Source: Maryland State Department of Education (MSDE)

## SHIP Measure: High School Graduation Rate

### Percentage of students who graduate high school in four years

|                 | 2009-2010 | 2010-2011 | 2011-2012 | 2012-2013 | 2013-2014 |
|-----------------|-----------|-----------|-----------|-----------|-----------|
| <b>Cecil</b>    | 80.5      | 83.2      | 84.1      | 86.7      | 88.6      |
| <b>Maryland</b> | 82.0      | 82.8      | 83.6      | 85.0      | 86.4      |

HP 2020 Target: 82.4      MD 2017 Goal: 95.0

Source: Maryland State Department of Education (MSDE)

# Determinants of Health: Educational Attainment

## Educational Attainment, Population Ages 25+, 2010-2014

|                                       | <b>Cecil</b> | <b>Maryland</b> |
|---------------------------------------|--------------|-----------------|
| <b>Less than High School Graduate</b> | 12.6%        | 11.0%           |
| <b>High School Graduate or Higher</b> | 87.4%        | 89.0%           |
| <b>Bachelor's Degree or Higher</b>    | 29.0%        | 37.3%           |

Source: U.S. Census Bureau. 2010-2014 American Community Survey 5-Year Estimates

# Determinants of Health: Homelessness

## 5 Year PIT Comparison

|                    |     |     |
|--------------------|-----|-----|
| 2015 Point in Time | 191 | 19% |
| 2014 Point in Time | 195 | 19% |
| 2013 Point in Time | 234 | 23% |
| 2012 Point in Time | 187 | 18% |
| 2011 Point in Time | 220 | 21% |

## Extent of Homelessness

|                                  |    |     |
|----------------------------------|----|-----|
| First Time Homeless              | 76 | 44% |
| 1-2 times in the past            | 63 | 37% |
| Chronic: 4 times in past 3 years | 32 | 19% |

## Length of Time w/o Permanent Housing

|                        |    |     |
|------------------------|----|-----|
| Less Than 1 Month      | 20 | 12% |
| Between 1 to 12 Months | 86 | 50% |
| Between 1 to 2 Years   | 24 | 14% |
| More Than 2 Years      | 41 | 24% |

# Determinants of Health: Homelessness

## Disability Type

|                             |    |     |
|-----------------------------|----|-----|
| Mental Health Problem       | 57 | 30% |
| Physical                    | 45 | 24% |
| Drug Abuse                  | 26 | 14% |
| Alcohol Abuse               | 5  | 3%  |
| Both Alcohol and Drug Abuse | 3  | 2%  |
| Physical/Medical            | 1  | 1%  |
| HIV/AIDS                    | 1  | 1%  |
| Chronic Health Condition    | 1  | 1%  |

## U.S. Military Veteran

|     |     |     |
|-----|-----|-----|
| Yes | 76  | 40% |
| No  | 115 | 60% |

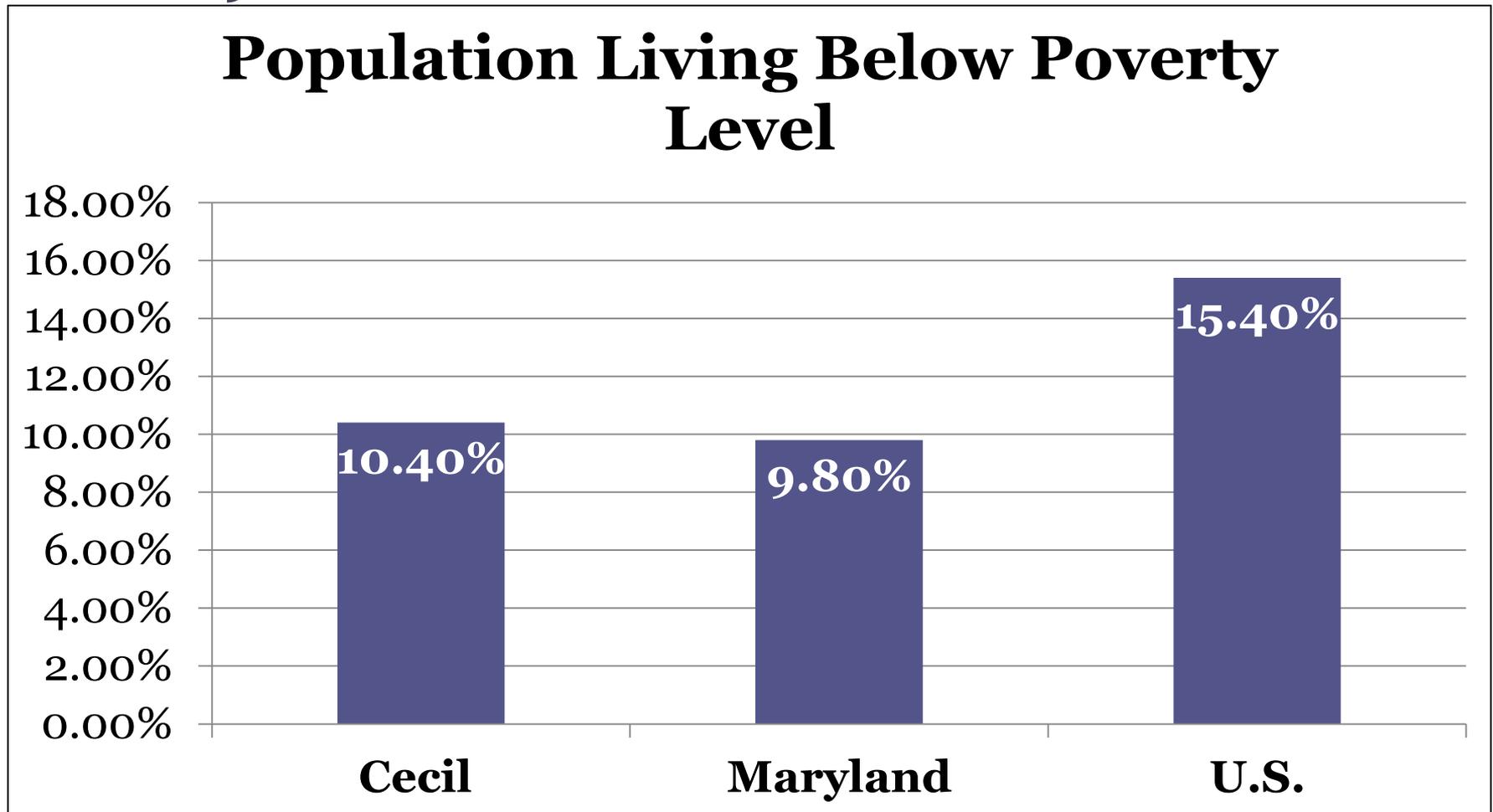
## Domestic Violence Victim

|     |     |     |
|-----|-----|-----|
| Yes | 43  | 23% |
| No  | 148 | 77% |

# Determinants of Health: Homelessness

- 774 students are identified as being homeless in the Cecil County Public Schools (CCPS) system as of Jan. 20, 2016.
  - The McKinney-Vento Act defines homeless children as "individuals who lack a fixed, regular, and adequate nighttime residence".

# Determinants of Health: Poverty

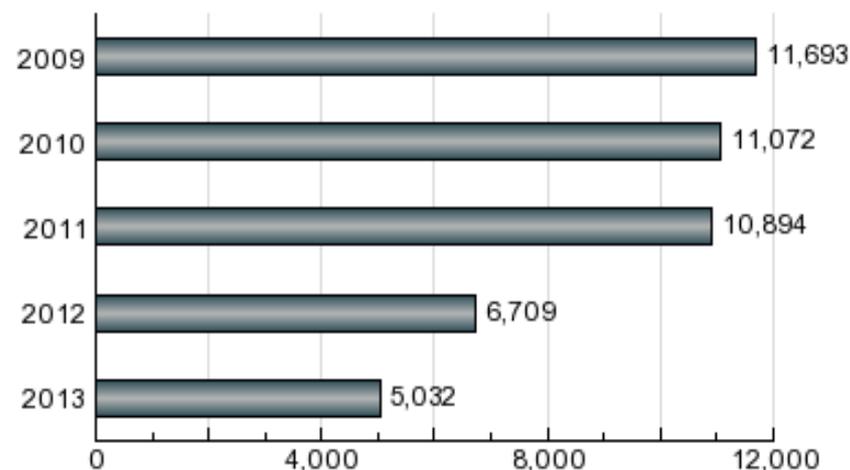


Source: U. S. Census Bureau, American Community Survey, 5-Year Estimates. 2009-2013

# Environmental Health: Air Quality

- Average daily density of fine particulate matter in micrograms per cubic meter (PM<sub>2.5</sub>) in 2011:
  - Cecil County: 12.1    Maryland: 12.5
  - Cecil County received a “B” from the American Lung Association for the number of days that particle pollution exceeded US standards for 2011-2013.

Cecil County Recognized Carcinogens Released into Air



Source: County Health Rankings; Healthy Communities Institute

# Environmental Health: Lead Exposure

## SHIP Measure: Children Receiving Blood Lead Screening

| Percentage of children (aged 12-35 months) enrolled in Medicaid (90+ days) who received a blood lead screening |      |      |      |
|--|------|------|------|
|  | 2011 | 2012 | 2013 |
| <b>Cecil</b>   | 42.0 | 43.7 | 51.9 |
| <b>Maryland</b>  | 65.8 | 65.6 | 66.2 |

MD 2017 Goal 69.5

Source: Maryland Medicaid Service Utilization

## SHIP Measure: Children with Elevated Blood Lead Levels

| Percentage of children (0-72 months old) who were tested who had elevated blood lead levels (>10 µg/dL) |      |      |      |      |      |
|---|------|------|------|------|------|
|   | 2009 | 2010 | 2011 | 2012 | 2013 |
| <b>Cecil</b>  | 0.2  | 0.0  | 0.1  | 0.0  | 0.3  |
| <b>Maryland</b>   | 0.4  | 0.3  | 0.3  | 0.3  | 0.3  |

MD 2017 Goal 0.28

Source: Maryland Department of the Environment (MDE)

# Environmental Health: Water Quality

- Percentage of population potentially exposed to water exceeding a violation limit during the past year FY13-14:
  - Cecil County: 16%      Maryland: 16%
  - Source: County Health Rankings

# Injury: Fall-related Injury

## SHIP Measure: Fall-Related Death Rate

| Rate of fall-related deaths per 100,000 population |           |                 |                 |                 |                 |
|--|-----------|-----------------|-----------------|-----------------|-----------------|
|  | 2007-2009 | 2008-2010       | 2009-2011       | 2010-2012       | 2011-2013       |
| <b>Cecil</b>                                       | 7.3       | 17 (Count Only) | 12 (Count Only) | 10 (Count Only) | 11 (Count Only) |
| <b>Maryland</b>                                    | 7.5       | 7.7             | 7.8             | 8.2             | 8.4             |

HP 2020 Target: 7.0      MD 2017 Goal: 7.7

Source: Maryland DHMH Vital Statistics Administration (VSA)

# Injury:

## Firearm-related Injuries

- In 2013 there were 574 deaths in Maryland caused by firearms.
  - 302 homicides and 256 suicides involved the use of a firearm
    - Source: Maryland Vital Statistics Administration.

# Injury:

## Motor Vehicle/Pedestrian Injuries

- Deaths due to motor vehicle accidents, 2013:
  - Cecil County: 14 Maryland: 511
    - Source: Maryland DHMH Vital Statistics Agency.

### Percentage of Motor Vehicle Crash Deaths with Alcohol Involvement, 2009-2013

|          | # Driving Deaths | # of Alcohol-Impaired Driving Deaths | % Alcohol-Impaired |
|----------|------------------|--------------------------------------|--------------------|
| Cecil    | 85               | 31                                   | 36%                |
| Maryland | 2500             | 851                                  | 34%                |

Source: County Health Rankings, 2015

# Injury: Motor Vehicle/Pedestrian Injuries

## SHIP Measure: Pedestrian Injury Rate on Public Roads

| Rate of pedestrian injuries on public roads per 100,000 population |      |      |      |      |      |
|--|------|------|------|------|------|
|  | 2009 | 2010 | 2011 | 2012 | 2013 |
| <b>Cecil</b>   | 38.7 | 40.6 | 22.6 | 27.5 | 30.4 |
| <b>Maryland</b>  | 41.2 | 40.5 | 37.3 | 41.2 | 39.5 |

HP 2020 Target: 20.3      MD 2017 Goal: 35.6

Source: Maryland State Highway Administration (SHA)

# Reproductive Health: Maternal/ Infant Health

## SHIP Measure: Early Prenatal Care

Percentage of pregnant women who receive prenatal care beginning in the first trimester

|                 | 2010 | 2011 | 2012 | 2013 |
|-----------------|------|------|------|------|
| <b>Cecil</b>    | 75.5 | 79.0 | 79.1 | 76.5 |
| <b>Maryland</b> | 56.9 | 62.4 | 65.7 | 61.9 |

HP 2020 Target: 77.9      MD 2017 Goal: 66.9

Source: Maryland DHMH Vital Statistics Administration

## SHIP Measure: Babies with Low Birth Weight

Percentage of live births that are a low birth weight (2500 grams or less)

|                 | 2010 | 2011 | 2012 | 2013 |
|-----------------|------|------|------|------|
| <b>Cecil</b>    | 7.8  | 8.7  | 7.7  | 6.9  |
| <b>Maryland</b> | 8.8  | 8.9  | 8.8  | 8.5  |

HP 2020 Target: 7.8      MD 2017 Goal: 8.0

Source: Maryland DHMH Vital Statistics Administration

# Reproductive Health: Maternal/ Infant Health

## SHIP Measure: Infant Death Rate

### Infant mortality rate per 1,000 live births

|                 | 2010 | 2011 | 2012           | 2013 |
|-----------------|------|------|----------------|------|
| <b>Cecil</b>    | 5.9  | 8.8  | 4 (Count Only) | 6.3  |
| <b>Maryland</b> | 6.7  | 6.7  | 6.3            | 6.6  |

HP 2020 Target: 6.0 MD 2017 Goal: 6.3

Source: Maryland DHMH Vital Statistics Administration

## SHIP Measure: Sudden Unexpected Infant Death Rate (SUIDs)

### Rate of sudden unexpected infant deaths (SUIDs) per 1,000 live births

|                 | 2005-2009 | 2006-2010 | 2007-2011 | 2008-2012 | 2009-2013 |
|-----------------|-----------|-----------|-----------|-----------|-----------|
| <b>Cecil</b>    | 0.94      | 1.11      | 0.98      | 1.01      | 1.04      |
| <b>Maryland</b> | 0.95      | 0.93      | 0.92      | 0.93      | 0.89      |

HP 2020 Target: 0.84 MD 2017 Goal: 0.86

Source: Maryland DHMH Vital Statistics Administration

# Reproductive Health: Sexually Transmitted Diseases (STDs)

## SHIP Measure: Chlamydia Infection Rate

| Chlamydia infections per 100,000 population |       |       |       |       |       |
|---|-------|-------|-------|-------|-------|
|   | 2010  | 2011  | 2012  | 2013  | 2014  |
| <b>Cecil</b>                                | 182.8 | 264.7 | 227.7 | 249.2 | 276.6 |
| <b>Maryland</b>                             | 458.6 | 475.1 | 460.4 | 464.4 | 475.9 |

MD 2017 Goal: 431.0

Source: Maryland DHMH Infectious Disease and Environmental Health Administration (IDEHA)

| Gonorrhea infections per 100,000 population |       |       |      |       |       |
|---|-------|-------|------|-------|-------|
|   | 2010  | 2011  | 2012 | 2013  | 2014  |
| <b>Cecil</b>                                | 25.7  | 19.7  | 33.2 | 54.9  | 68.4  |
| <b>Maryland</b>                             | 128.4 | 110.8 | 96.6 | 101.0 | 102.2 |

Source: Center for Sexually Transmitted Infection Prevention, DHMH

# Reproductive Health: Sexually Transmitted Diseases (STDs)

## Primary and secondary (P&S) syphilis infections per 100,000 population

|                 | 2010 | 2011 | 2012 | 2013 | 2014 |
|-----------------|------|------|------|------|------|
| <b>Cecil</b>    | 0.0  | 0.0  | 1.0  | 1.0  | 3.9  |
| <b>Maryland</b> | 5.7  | 7.8  | 7.3  | 7.7  | 7.5  |

Source: Center for Sexually Transmitted Infection Prevention, DHMH

## SHIP Measure: HIV Incidence Rate

### Rate of adult/adolescent cases (age 13+) diagnosed with HIV (per 100,000 population)

|                 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-----------------|------|------|------|------|------|
| <b>Cecil</b>    | 6.0  | 6.0  | 7.1  | 5.9  | 9.4  |
| <b>Maryland</b> | 32.0 | 29.8 | 26.9 | 28.7 | 28.1 |

MD 2017 Goal: 26.7

Source: Maryland DHMH Infectious Disease Bureau, Center for HIV Surveillance and Epidemiology

# Reproductive Health: Teenage Pregnancy

## SHIP Measure: Teen Birth Rate

Rate of births to teens ages 15-19 years (per 1,000 population)

|                 | 2010 | 2011 | 2012 | 2013 |
|-----------------|------|------|------|------|
| <b>Cecil</b>    | 32.1 | 32.3 | 28.7 | 22.8 |
| <b>Maryland</b> | 27.2 | 24.7 | 22.1 | 19.3 |

MD 2017 Goal: 17.8

Source: Maryland DHMH Vital Statistics Administration

# Violence: Child Abuse and Neglect

## SHIP Measure: Child Maltreatment Rate

Rate of children who are maltreated per 1,000 population under the age of 18

|                 | <b>2011</b> | <b>2012</b> | <b>2013</b> |
|-----------------|-------------|-------------|-------------|
| <b>Cecil</b>    | 18.4        | 20.1        | 16.5        |
| <b>Maryland</b> | 9.3         | 10.2        | 9.2         |

HP 2020 Target: 8.5      MD 2017 Goal: 8.3

Source: Maryland Department of Human Resources (DHR)

# Violence: Domestic Violence

## SHIP Measure: Domestic Violence

### Rate of domestic violence crimes per 100,000 population

|                 | 2010  | 2011  | 2012  | 2013  |
|-----------------|-------|-------|-------|-------|
| <b>Cecil</b>    | 362.0 | 416.9 | 348.1 | 562.2 |
| <b>Maryland</b> | 310.6 | 312.4 | 299.3 | 468.6 |

Note: In 2013, domestic violence data reporting was expanded to include additional relationships and reflect changes in Maryland law. This change explains the increase in the total number of Domestically Related Crimes reported.

MD 2017 Goal: 445.0

Source: The Maryland Uniform Crime Reporting (UCR) Program

# Violence: Homicide

## Homicide Deaths per 100,000 Population

2007- 2013

**Cecil**

4.3

**Maryland**

8.1

HP 2020 Target: 5.5

Source: National Vital Statistics System-Mortality (NVSS-M)

# Violence:

## Rape/Sexual Assault

- Forcible rapes reported in 2014:
  - Cecil County : 38 (37.1 per 100,000 population)
  - Maryland: 1,144 (19.1 per 100,000 population)
    - Source: Maryland State Police. Crime in Maryland: 2014 Uniform Crime Report.

# Violence: Suicide

## SHIP Measure: Suicide Rate

| Suicide rate per 100,000 population |           |           |           |           |           |
|-------------------------------------|-----------|-----------|-----------|-----------|-----------|
|                                     | 2007-2009 | 2008-2010 | 2009-2011 | 2010-2012 | 2011-2013 |
| <b>Cecil</b>                        | 13.6      | 12.8      | 16.8      | 13.6      | 15.1      |
| <b>Maryland</b>                     | 8.9       | 8.7       | 8.9       | 8.8       | 9.0       |

HP 2020 Target: 10.2      MD 2017 Goal: 9.0

Source: Maryland DHMH Vital Statistics Administration (VSA)

# Cecil County Life Expectancy

## SHIP Measure: Life Expectancy

| Life expectancy from birth, in years |           |           |           |           |
|--------------------------------------|-----------|-----------|-----------|-----------|
|                                      | 2008-2010 | 2009-2011 | 2010-2012 | 2011-2013 |
| <b>Cecil</b>                         | 76.9      | 76.4      | 77.0      | 77.3      |
| <b>Maryland</b>                      | 78.7      | 79.2      | 79.5      | 79.6      |

MD 2017 Goal 79.8

Source: Maryland DHMH Vital Statistics Administration