

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

Daniel Coulter, MPH

Jean-Marie Donahoo, MPH-HP



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
Cecil	9.8	9.3	8.6
Maryland	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
Cecil	20.1	15.8	12.9	12.2	11.7	6.5
Maryland	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
Cecil	2,811:1	2,991:1	2,825:1
Maryland	1,153:1	1,134:1	1,045:1

Source: University of Wisconsin Population Health Institute. County Health Rankings. Accessible at 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
Cecil	89.1	80.5	90.9
Maryland	83.0	83.4	79.4

MD 2017 Goal: 83.9

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

(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
Cecil	73.0	77.2	78.2
Maryland	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
Cecil	47.6	47.2	47.0	49.8
Maryland	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
Cecil	46.9	51.2	53.5	57.2	53.1
Maryland	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
Cecil	1728.5	1690.1	1683.2	1690.1	1525.3
Maryland	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
Cecil	3,374:1	2,676:1	2,754:1
Maryland	1,549:1	1,438:1	1,392:1

Source: University of Wisconsin Population Health Institute. County Health Rankings. Accessible at www.countyhealthrankings.org.

Behavioral Health- Illicit Drug Use/Problem Alcohol Use:

Percentage of Adults Reporting Excessive Drinking 2006-2012

Cecil	18%
Maryland	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
Cecil	1538.6	2121.9	2234.8	2057.6	2165.7
Maryland	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

	Cecil	Maryland
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
Cecil	21.6	21.2	27.4	29.5	26.5
Maryland	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* (per 100,000 population)					
	2010	2011	2012	2013	2014
Cecil	7085.5	9974.8	10570.8	8901.6	5501.6
Maryland	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 (per 100,000 population)					
	2010	2011	2012	2013	2014
Cecil	314.1	264.5	204.2	199.3	136.5
Maryland	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
Cecil	220.2	206.0	196.7	188.4	189.4
Maryland	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 (per 100,000 population)					
	2010	2011	2012	2013	2014
Cecil	185.4	214.4	212.0	215.8	250.2
Maryland	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 (per 100,000 population)					
	2007-2009	2008-2010	2009-2011	2010-2012	2011-2013
Cecil	224.5	210.9	199.7	191.8	193.8
Maryland	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 (per 100,000 population)					
	2010	2011	2012	2013	2014
Cecil	167.1	209.3	197.7	234.7	241.2
Maryland	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
Cecil	25.0	29.7	31.6
Maryland	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)

SHIP Measure: Children and Adolescents Who Are Obese

Percentage of children and adolescents who are obese		
	2010 (high school)	2013 (high school)
Cecil	12.1	13.2
Maryland	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
Cecil	55.2	49.7	39.1
Maryland	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)

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
Cecil	42.1	44.7	42.9	43.6	47.0
Maryland	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
Cecil	23.9	23.0	18.0
Maryland	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)

SHIP Measure: Adolescents Who Use Tobacco Products

Percentage of adolescents who used any tobacco product in the last 30 days		
	2010	2013
Cecil	29.4	24.6
Maryland	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
Maryland	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
Cecil	44.9	42.4	46.4
Maryland	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)

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
Cecil	39.3	46.8	61.3	56.9
Maryland	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
Cecil	80.0	78.0	74.0	80.0
Maryland	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
Cecil	80.5	83.2	84.1	86.7	88.6
Maryland	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

	Cecil	Maryland
Less than High School Graduate	12.6%	11.0%
High School Graduate or Higher	87.4%	89.0%
Bachelor's Degree or Higher	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%

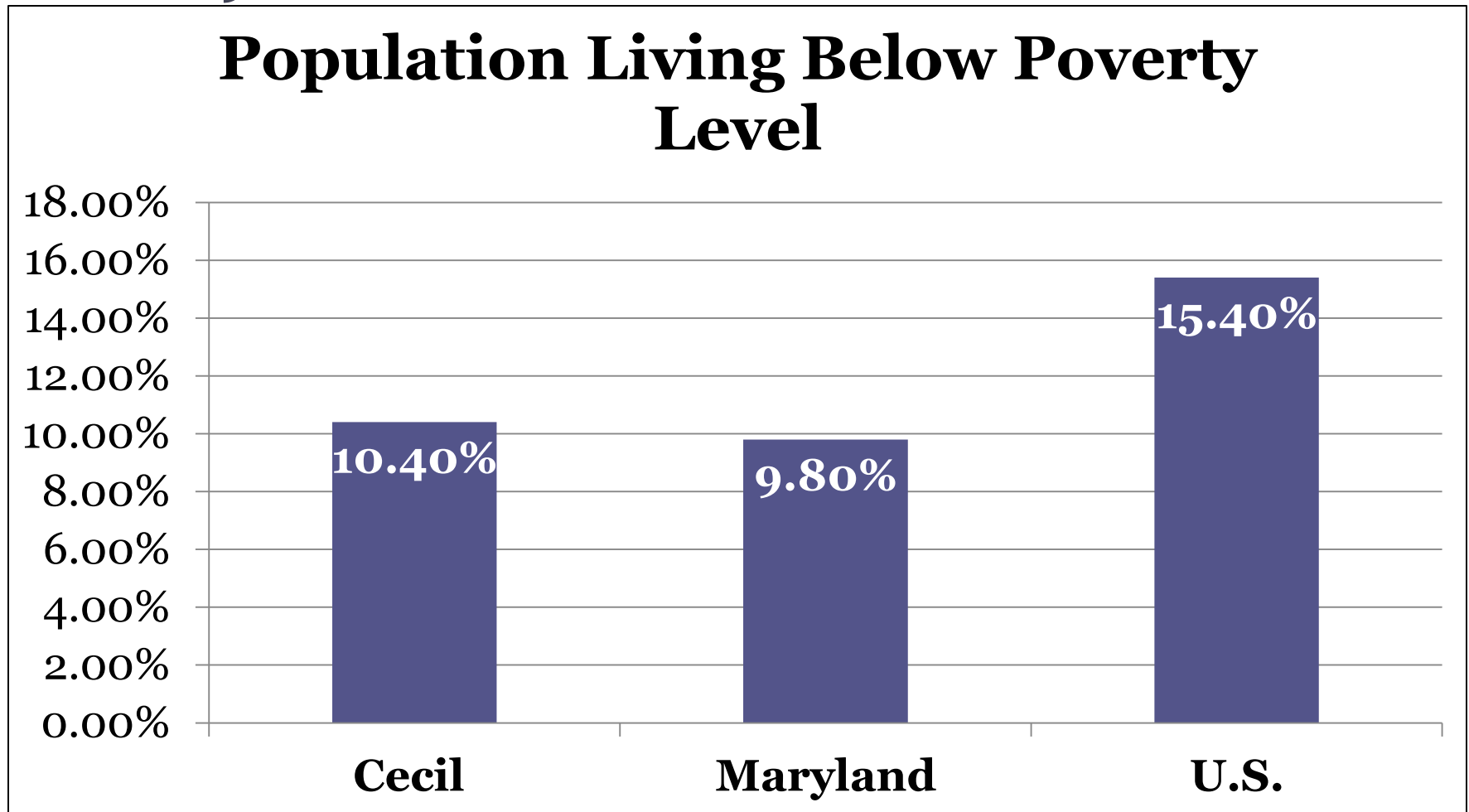
Domestic Violence Victim

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

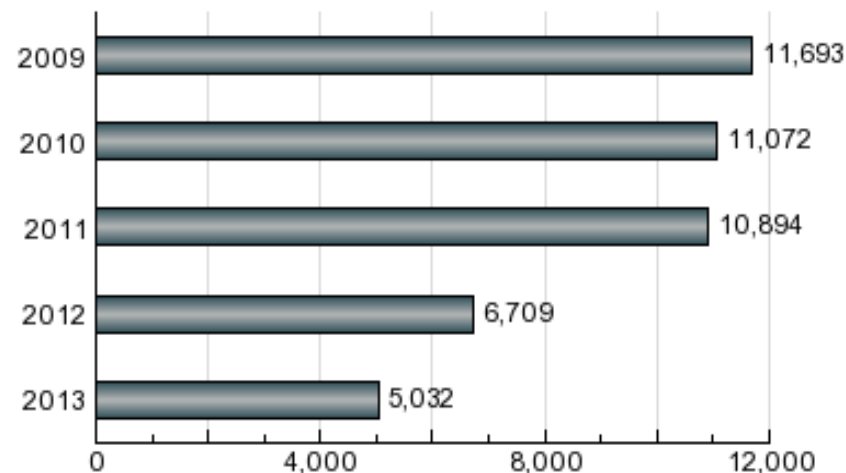


Source: U. S. Census Bureau, American Community Survey, 5-Year Estimates. 2009-2013

Environmental Health: Air Quality

- Average daily density of fine particulate matter in micrograms per cubic meter (PM_{2.5}) 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
Cecil	42.0	43.7	51.9
Maryland	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 $\mu\text{g/dL}$)					
	2009	2010	2011	2012	2013
Cecil	0.2	0.0	0.1	0.0	0.3
Maryland	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
Cecil	7.3	17 (Count Only)	12 (Count Only)	10 (Count Only)	11 (Count Only)
Maryland	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
Cecil	38.7	40.6	22.6	27.5	30.4
Maryland	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
Cecil	75.5	79.0	79.1	76.5
Maryland	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
Cecil	7.8	8.7	7.7	6.9
Maryland	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
Cecil	5.9	8.8	4 (Count Only)	6.3
Maryland	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
Cecil	0.94	1.11	0.98	1.01	1.04
Maryland	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
Cecil	182.8	264.7	227.7	249.2	276.6
Maryland	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
Cecil	25.7	19.7	33.2	54.9	68.4
Maryland	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
Cecil	0.0	0.0	1.0	1.0	3.9
Maryland	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
Cecil	6.0	6.0	7.1	5.9	9.4
Maryland	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
Cecil	32.1	32.3	28.7	22.8
Maryland	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

	2011	2012	2013
Cecil	18.4	20.1	16.5
Maryland	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
Cecil	362.0	416.9	348.1	562.2
Maryland	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
Cecil	13.6	12.8	16.8	13.6	15.1
Maryland	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
Cecil	76.9	76.4	77.0	77.3
Maryland	78.7	79.2	79.5	79.6

MD 2017 Goal 79.8

Source: Maryland DHMH Vital Statistics Administration