Status of Health

May 2014

Overview and Data Sources

- Demographics - US Census Bureau
- Maternal and Child Health Statistics – Maryland Vital Records
- Morbidity and Mortality Data - MVR
- Maryland Cancer Registry
- Hospital Data – Health Services Cost Review Commission - GMH
- BRFSS DATA (Behavioral Risk Factor Surveillance System)
- SHIP DATA – DHMH

DATA SITES:

- Network of Care Site http://garrett.md.networkofcare.org/ph/
- 2013 Maryland Jurisdictional Comparison Report – Univ. of Wisconsin/RWJ
- Garretthealth.org

SHIP Priority Indicators for Garrett County

- Youth Tobacco Use
- Heart Disease Mortality
- Adult Influenza Vaccination Rates
- Adult Tobacco Use
- Child Obesity
- Adults Without Health Insurance
- Adult Obesity
- Life Expectancy

2013 SHIP Update – Additional Areas of Concern

- Teen Birth Rate – County 34.9 / 1000 teenage females vs. State Rate of 24.7 / 1000 teenage females (15-19 yrs. old)
- Adults with Health Insurance – County – 86% vs. State 88%
- Hospitalizations related to Alzheimer's or other Dementia (per 100,000) – County - 266.2 vs. State - 202.9
- Adolescents with Wellness Check Last Year – County – 40.3% vs. State – 52.6%

Garrett County Demographics

Total Population –	2001	29,747
	2012	29,850

• Males	14,806		(49.6%)
Females	15,044		(50.4%)
• White		29,164	(97.7%)
Black or African American		328	(1.1%)
American Indian & Alaska Native		60	(.2%)
Asian & Other Pacific Islander		119	(.4%)
Hispanics		179	(.6%)

Source: *U.S. Census Bureau , Population Estimates Program*

Demographics (cont.)

People of All Ages in Poverty – Garrett County (13.0%)
People of All Ages in Poverty – Maryland (9.4%)

- Persons under 18 years of age (G.C.) (21.1%)
- Persons 65 years old and over (G.C.) (18.6%)

Median Household Income (2008-2012) GC $45,354
Median Household Income (2008-2012) MD $72,999

Source: U.S. Census Bureau , Population Estimates Program

Maternity and Child Health Data For Garrett County and Maryland

Comparison of County Birth Rates* with the Maryland State Average, 2012.

Comparison of County Birth Rates*
with the Maryland State Average, 2011.

*Rates are shown on Table 11g.

Source: *Maryland Vital Statistics Administration*

Number of Garrett County Births

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Births	430	417	394	416	376	361	366	349	358	355	333	327	300	342	316	314	297	315	277	306	278	284	287

Births to Adolescents, All Races
Rates per 1,000 Females, Ages 15-17

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Maryland	25.8	24.7	23.2	21	20	18.3	18.1	17.1	18	18.1	17.3	16.3	13.5	12.1	10.5
Garrett	32.8	24.9	21.6	16.6	13.8	10.9	18.1	11.4	16.4	14.2	6.4	18.4	7.6	12.5	16.6

Source: *Maryland Vital Statistics Administration*

Percentage of Births to Women Receiving Late or No Prenatal Care

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Maryland	3.8	3.9	4.3	4.2	4.7	4.2	4.7	7.7	8.5	8.7
Garrett	1.8	2.2	1.2	3	2.5	1.8	0.98	5	2.1	7.7

***Source**: Maryland Vital Statistics Administration*

Comparison of Percentages of Low Birth Weight Births* with the Maryland State Average, 2012.

Comparison of Percentages of Low Birth Weight Births*
with the Maryland State Average, 2011.

*Percentages are shown on Table 21a.

***Source**: Maryland Vital Statistics Administration*

Comparison of Percentages of Births to Unmarried Women* with the Maryland State Average, 2012.

Comparison of Percentages of Births to Unmarried Women*
with the Maryland State Average, 2011.

*Percentages are shown on Table 15.

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***Source**: Maryland Vital Statistics Administration*

Percentage of Births Delivered by C-Section

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
MD	24.3	25.6	27.7	28.7	30.6	31.6	32.6	33.6	33.6	34	34.2	34.7	40.7
Garrett	15.9	17.7	22.7	20.2	26.9	28.7	21.9	28.6	26.4	23.9	23.7	32.7	33.8

***Source**: Maryland Vital Statistics Administration*

Infant Mortality Rate

Per 1,000 Live Births

***Source**: Maryland Vital Statistics Administration*

RANK	JURISDICTION	% ADULT FEMALE SMOKING DURING PREGNANCY
1	**Allegany**	**26.6%**
2	**Garrett**	**22.2%**
3	**Caroline**	**20.7%**
4	**Kent**	**20.7%**
5	**Cecil**	**20.6**
6	**Washington**	**20.0%**
7	**Dorchester**	**19.7%**
8	**Somerset**	**14.0%**
9	**Wicomico**	**13.7%**
10	**Worcester**	**13.3%**
11	Calvert	12.4%
12	Talbot	12.4%
13	St. Mary's	12.2%
14	Queen Anne's	11.9%
15	Carroll	11.8%
16	Baltimore City	10.7%
17	Harford	10.2%
18	Frederick	9.5%
19	Charles	8.9%
20	Baltimore Co.	8.3%
21	Anne Arundel	8.2%
22	Prince George's	2.5%
23	Howard	2.2%
24	Montgomery	1.6%

SMOKING DURING PREGNANCY

Birth Certificates

Source: Unpublished data from 2011 Maryland Birth Certificates, Maryland Vital Statistics Administration

RANK	JURISDICTION	% ADULT FEMALE SMOKING DURING MEDICAID PRENATAL ASSESSMENTS
1	**Allegany**	**37.2%**
2	**Washington**	**32.9%**
3	**Harford**	**32.4%**
4	**Kent**	**30.8%**
5	**Cecil**	**30.3%**
6	**Garrett**	**29.0%**
7	**Caroline**	**27.0%**
8	**Calvert**	**26.6%**
9	**Carroll**	**26.0%**
10	**Frederick**	**25.5%**
11	Queen Anne's	23.6%
12	Anne Arundel	21.7%
13	Somerset	21.3%
14	Talbot	21.0%
15	Worcester	20.3%
16	St. Mary's	19.6%
17	Baltimore Co.	18.6%
18	Baltimore City	17.9%
19	Wicomico	17.6%
20	Dorchester	17.5%
21	Charles	16.0%
22	Howard	8.8%
23	Prince George's	4.3%
24	Montgomery	3.7%

SMOKING DURING PREGNANCY

Medicaid Prenatal Assessments

Source: Unpublished data from prenatal assessments conducted as part of the Maryland Medicaid Program.

Mortality In Garrett County and Maryland

LIFE EXPECTANCY AT BIRTH BY POLITICAL SUBDIVISION

***Source**: Maryland Vital Statistics Administration*

Comparison of County Age-adjusted Death Rates* for All Causes with the Maryland State Average, 2010-2012.

Comparison of County Age-adjusted Death Rates* for All Causes with the Maryland State Average, 2009-2011.

*Rates are shown on Table 50.

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***Source**: Maryland Vital Statistics Administration*

Comparison of County Age-adjusted Death Rate for All Causes for MD, 2010-2012

Garrett County Baseline 2007-2009

Comparison of County Age-adjusted Death Rates* for Heart Disease with the Maryland State Average, 2010-2012.

***Source**: Maryland Vital Statistics Administration*

Age-adjusted Death Rates Per 100,000 Population
Diseases of the Heart –2010-2012

Comparison of County Age-adjusted Death Rates* for Cerebrovascular Diseases with the Maryland State Average, 2010-2012.

Comparison of County Age-adjusted Death Rates* for Cerebrovascular Diseases with the Maryland State Average, 2009-2011.

*Rates are shown on Table 50.

***Source**: Maryland Vital Statistics Administration*

Comparison of County Age-adjusted Death Rates* for Malignant Neoplasms with the Maryland State Average, 2010-2012.

Comparison of County Age-adjusted Death Rates* for Malignant Neoplasms with the Maryland State Average, 2009-2011.

*Rates are shown on Table 50.

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***Source**: Maryland Vital Statistics Administration*

Comparison of County Age-adjusted Death Rates* for Alzheimer's Disease with the Maryland State Average, 2010-2012.

***Source**: Maryland Vital Statistics Administration*

Comparison of County Age-adjusted Death Rates* for Accidents with the Maryland State Average, 2010-2012.

Comparison of County Age-adjusted Death Rates* for Accidents with the Maryland State Average, 2009-2011.

*Rates are shown on Table 50.

***Source**: Maryland Vital Statistics Administration*

Maryland All Cancer Sites Incidence Rates by Geographical Area: Comparison to U.S. Rate, 2006-2010

Rates are age-adjusted to the 2000 U.S. standard population and are per 100,000 population.

Maryland area-specific rates with 95% confidence intervals are presented in Appendix F, Table 1.

U.S. all cancer sites incidence rate, 2006-2010: 463.0/100,000

Maryland all cancer sites incidence rate, 2006-2010: 449.2/100,000

Source: Maryland Cancer Registry
U.S. SEER, SEER*Stat

Maryland All Cancer Sites Mortality Rates by Geographical Area: Comparison to U.S. Rate, 2006-2010

Rates are age-adjusted to the 2000 U.S. standard population and are per 100,000 population.

Maryland area-specific rates with 95% confidence intervals are presented in Appendix F, Table 9.

U.S. all cancer sites mortality rate, 2006-2010: 176.4/100,000

Maryland all cancer sites mortality rate, 2006-2010: 179.0/100,000

Source: MD mortality rates from Maryland Vital Statistics Administration from MATCH, 2006-2010
U.S. rate from SEER, Cancer Statistics Review, 2006-2010

Causes of Death, 2009
Garrett County

Source: MD Vital Statistics

Causes of Death, 2011
Garrett County

Source: MD Vital Statistics

Causes of Death, 2012
Garrett County

Source: MD Vital Statistics

Percentage of Obese Adults in Maryland

Data Source: Maryland 2010

Childhood Obesity

Data Source: Maryland Youth Tobacco Survey (MYTS)

Cancer Incidence and Mortality by Type

Maryland Colorectal Cancer Incidence Rates by Geographical Area: Comparison to U.S. Rate, 2006-2010

Rates are age-adjusted to the 2000 U.S. standard population and are per 100,000 population.

Maryland area-specific rates with 95% confidence intervals are presented in Appendix F, Table 3.

U.S. colorectal cancer incidence rate, 2006-2010: 45.0/100,000

Maryland colorectal cancer incidence rate, 2006-2010: 40.1/100,000

Source: Maryland Cancer Registry
U.S. SEER, SEER*Stat

Maryland Colorectal Cancer Mortality Rates by Geographical Area: Comparison to U.S. Rate, 2006-2010

Rates are age-adjusted to the 2000 U.S. standard population and are per 100,000 population.

Maryland area-specific rates with 95% confidence intervals are presented in Appendix F, Table 11.

U.S. colorectal cancer mortality rate, 2006-2010: 16.4/100,000

Maryland colorectal cancer mortality rate, 2006-2010: 16.8/100,000

Source: MD mortality rates from Maryland Vital Statistics Administration, 2006-2010
U.S. rate from SEER, Cancer Statistics Review, 2006-2010

Maryland Female Breast Cancer Incidence Rates by Geographical Area: Comparison to U.S. Rate, 2006-2010

Rates are age-adjusted to the 2000 U.S. standard population and are per 100,000 women.

Maryland area-specific rates with 95% confidence intervals are presented in Appendix F, Table 4.

U.S. female breast cancer incidence rate, 2006-2010: 123.8/100,000

Maryland female breast cancer incidence rate, 2006-2010: 125.1/100,000

Source: Maryland Cancer Registry
U.S. SEER, SEER*Stat

Maryland Female Breast Cancer Mortality Rates by Geographical Area: Comparison to U.S. Rate, 2006-2010

Rates are age-adjusted to the 2000 U.S. standard population and are per 100,000 women.

Maryland area-specific rates with 95% confidence intervals are presented in Appendix F, Table 12.

U.S. female breast cancer mortality rate, 2006-2010: 22.6/100,000

Maryland female breast cancer mortality rate, 2006-2010: 24.5/100,000

Source: MD mortality rates from Maryland Vital Statistics Administration from MATCH, 2006-2010
U.S. rate from SEER, Cancer Statistics Review, 2006-2010

Note: Regional rates are presented when one or more counties within the region have a suppressed rate.

All Cancer Sites Age-Adjusted Incidence Rates

Per 100,000 population

by Jurisdiction, Maryland, 2006-2010

All Cancer Sites Age-Adjusted Mortality Rates

Per 100,000 population

by Jurisdiction, Maryland, 2006-2010

Garrett County Baseline

Maryland SHIP Target and Garrett County Health Planning Goal 2012-2015

Age-adjusted Death Rates Per 100,000 Population Malignant Neoplasms, 2010-2012

All Cancer Sites Age-Adjusted Mortality Rates

Per 100,000 population

by Jurisdiction, Maryland, 2006-2010

Mortality Rates

95% Confidence Interval

Lung and Bronchus Age-Adjusted Incidence Rates

Per 100,000 population

by Jurisdiction, Maryland, 2006-2010

Lung and Bronchus Age-Adjusted Mortality Rates

Per 100,000 population

by Jurisdiction, Maryland, 2006-2010

Colorectal Cancer Age-Adjusted Incidence Rates

Per 100,000 population

by Jurisdiction, Maryland, 2006-2010

Colorectal Cancer Age-Adjusted Mortality Rates

Per 100,000 population

by Jurisdiction, Maryland, 2006-2010

Female Breast Cancer Age-Adjusted Incidence Rates

Per 100,000 population

by Jurisdiction, Maryland, 2006-2010

Female Breast Cancer Age-Adjusted Mortality Rates

Per 100,000 population

by Jurisdiction, Maryland, 2006-2010

Female Breast Cancer Age-Adjusted Mortality Rates

Per 100,000 population

by Jurisdiction, Maryland, 2006-2010

Mortality Rates

95% Confidence Interval

Prostate Cancer Age-Adjusted Incidence Rates

Per 100,000 population

by Jurisdiction, Maryland, 2006-2010

Melanoma Age-Adjusted Incidence Rates

Per 100,000 population

by Jurisdiction, Maryland, 2006-2010

Hospital Data

Prevention Quality Indicators (PQIs)

- **PQIs** are a set of measures that can be used with hospital inpatient discharge data to identify quality of care for “preventable hospitalizations.“
- **PQIs** are intended to reflect issues of access to, and quality of, primary care in a given geographic area.

List of PQIs

- Diabetes, short-term complications
- Diabetes, long-term complications
- Chronic Obstructive Pulmonary Disease
- Hypertension
- Congestive Heart Failure
- Dehydration
- Bacterial Pneumonia
- Urinary Infections
- Angina without Procedure
- Uncontrolled Diabetes
- Adult Asthma
- Lower Extremity Amputations among Patients with Diabetes

Garrett County trends in preventable hospitalization rates, 2008-2012

State and county trends in preventable hospitalization rates, 2008-2012

Bacterial Pneumonia

Maps for preventable hospitalizations

Garrett County, 2008-2012

Injury-related ED Visits
Garrett County, 2008-2012

Source: Garrett County Memorial Hospital

Substance Abuse

Opioid-Related Admission Rate > Age 14

State Rate FY 2010	13.8/10K
Calvert	61.8
Queen Anne's	39.5
Allegany	39.3
Cecil	32.1
Kent	31.7
St. Mary's	31.6
Worcester	29.5
Garrett	29.4

State Rate FY 2011	15.8/10K
Calvert	73.6
Cecil	58.8
Kent	50.2
Caroline	46.4
Wicomico	42.9
St. Mary's	42.1
Garrett	34.7
Allegany	34.6
Worcester	31.0
Queen Anne's	31.2
Somerset	27.5

What About Treatment in Maryland?

Prescription Opiate-Related Treatment Admissions Fiscal Year 2011

Map prepared for:
DHMH/Alcohol and Drug Abuse Administration
January 24, 2011

Classification Method: Jenks Natural Breaks using five (5) classes.

Data Sources:
Treatment data--State of Maryland Automated Record Tracking (SMART) system, Fiscal Year 2011.

County boundaries--ESRI, 2006.
Light grey basemap--ESRI, 2012.

Outlook & Outcomes - FY 2012 Garrett County Data

TABLE 1: Patient Residence for Admission to State-Supported Alcohol and Drug Abuse Treatment Programs

***Source**: Maryland DMHM Data & Statistics*

Figure 5. Total Number of Drug Intoxication Deaths by Selected Substances[1], Maryland, 2007-2012.

DHMH Vital Statistics Admin, "Drug and Alcohol Intoxication Deaths in Maryland, 2007-2012"

Crude Death Rates for Total Intoxication Deaths by Place of Residence, Maryland, 2007-2012.

TOTAL NUMBER OF DRUG AND ALCOHOL-RELATED INTOXICATION DEATHS BY PLACE OF OCCURRENCE, 2007-2012 AND YTD 2013 THROUGH SEPTEMBER

***Source**: Maryland DHMH Data & Statistics*

Harm Reduction – Naloxone rescue medication to reverse opioid overdose

A script gives patients specific language that they can use with their family to talk about overdose and develop an action plan, similar to a fire evacuation plan.

Prescribetoprevent.org

Next Planning Steps

Continue to Review Data – YRBS, BRFS, Hospital Admission and ER Data, GIS Based Groundwater Report for Garrett County

Review Progress on SHIP Indicators

Review Progress on Local Community Health Plan

Begin Work on Comprehensive Community Need Assessment

Update Plan – 2015 - 2018