Status of Health

May 2013
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)
- 2012 YRBS (Youth Risk Behavioral Survey)
- SHIP DATA
- Network of Care Site http://garrett.md.networkofcare.org/ph/
- 2013 Maryland Jurisdictional Comparison Report – Univ. of Wisconsin/RWJ
- Garretthealth.org
SHIP Dashboard
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
Garrett County Demographics

Total Population –

<table>
<thead>
<tr>
<th>Year</th>
<th>Population</th>
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<tbody>
<tr>
<td>2001</td>
<td>29,747</td>
</tr>
<tr>
<td>2011</td>
<td>30,051</td>
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</tbody>
</table>

- Males: 14,907 (49.6%)
- Females: 15,144 (50.4%)

- White: 29,276 (97.4%)
- Black or African American: 397 (1.3%)
- American Indian & Alaska Native: 45 (0.2%)
- Asian & Other Pacific Islander: 98 (0.3%)
- Hispanics: 242 (0.8%)

Source: Maryland Vital Statistics Administration
Demographics (cont.)

People of All Ages in Poverty (12.7%)
- Persons under 18 years of age (15.6%)
- Persons 65 years old and over (11.2%)

Median Household Income 2011 $45,280
Median Household Income 2011 (MD) $72,214

Sources: U.S. Census Bureau, Population Estimates Program
Garrett County Population Age-group (Projections)
Maternity and Child Health Data For Garrett County and Maryland
Comparison of County Birth Rates*
with the Maryland State Average, 2011.

Comparison of County Birth Rates*
with the Maryland State Average, 2009.
Number of Garrett County Births

Births

1990 – 2000 = 378
2001 – 2011 = 305
Comparison of Percentages of Low Birth Weight Births* with the Maryland State Average, 2011.

Comparison of Percentages of Low Birth Weight Birth* with the Maryland State Average, 2009.
Percentage of Births Delivered by C-Section

<table>
<thead>
<tr>
<th>Year</th>
<th>MD</th>
<th>Garrett</th>
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<tbody>
<tr>
<td>2000</td>
<td>24.3</td>
<td>15.9</td>
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<td>2001</td>
<td>25.6</td>
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<td>2006</td>
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<td>2007</td>
<td>33.6</td>
<td>28.6</td>
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<td>2008</td>
<td>33.6</td>
<td>26.4</td>
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<td>2009</td>
<td>34.0</td>
<td>23.9</td>
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<td>2010</td>
<td>34.2</td>
<td>23.7</td>
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<td>2011</td>
<td>34.7</td>
<td>32.7</td>
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</table>
Mortality In Garrett County and Maryland
Life Expectancy at Birth by Political Subdivision

2006-2008

2009-2011

Maryland
Baltimore City
Somerset
Cecil
Caroline
Wicomico
Dorchester
 Allegany
Garrett
Charles
Washington
Prince George’s
Baltimore County
Calvert
St. Mary’s
Worcester
Harford
Kent
Anne Arundel
Queen Anne’s
Carroll
Talbot
Frederick
Howard
Montgomery
Comparison of County Age-adjusted Death Rates* for All Causes with the Maryland State Average, 2009-2011.

Comparison of County Age-adjusted Death Rates* for All Causes with the Maryland State Average, 2007-2009.
Comparison of County Age-adjusted Death Rate for All Causes for MD, 2007-2009

Source: Maryland Vital Statistics
Comparison of County Age-adjusted Death Rate for All Causes for MD, 2009-2011

Source: Maryland Vital Statistics
Age-adjusted Death Rates Per 100,000 Population
Diseases of the Heart –2009-2011

Source: Maryland Vital Statistics / DHMH
Causes of Death, 2009
Garrett County

Causes

- Heart Disease: 31%
- Malignant Neoplasms: 22%
- Diabetes: 4%
- Alzheimers: 4%
- Cerebro Vascular: 10%
- Chron. Lower Resp. Disease: 8%
- Accidents: 3%
- Suicide: 1%
- Hypertension/Renal: 1%
- Septicemia: 1%
- Flu. -Pneumonia: 1%
- All Others: 4%

Source: MD Vital Statistics
Causes of Death, 2011
Garrett County

Causes

- Heart Disease: 25%
- Malignant Neoplasms: 31%
- Diabetes: 23%
- Alzheimers: 5%
- Cerebro Vascular: 2%
- Chron. Lower Resp. Disease: 8%
- Accidents: 8%
- Homicide: 10%
- Hypertension/Renal: 2%
- Septicemia: 3%
- Flu. -Pneumonia: 1%
- All Others: 2%

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

Comparison of County Age-adjusted Death Rates* for Cerebrovascular Diseases with the Maryland State Average, 2007-2009.
Comparison of County Age-adjusted Death Rates* for Malignant Neoplasms with the Maryland State Average, 2009-2011.

Comparison of County Age-adjusted Death Rates* for Malignant Neoplasms with the Maryland State Average, 2007-2009.
Comparison of County Age-adjusted Death Rates* for Alzheimer's Disease with the Maryland State Average, 2009-2011.

Comparison of County Age-adjusted Death Rates* for Alzheimer's Disease with the Maryland State Average, 2007-2009.
Age-adjusted Death Rates Per 100,000 Population
Malignant Neoplasms, 2009-2011

Source: Maryland Vital Statistics / DHMH
Age-adjusted Death Rates Per 100,000 Population
Malignant Neoplasms, 2007-2009

Source: Maryland Vital Statistics / DHMH
Maryland Lung Cancer Mortality Rates by Geographical Area: Comparison to U.S. Rate, 2005-2009

Legend

Maryland Lung Cancer Incidence Rates by Geographical Area: Comparison to U.S. Rate, 2003-2007

Legend

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 H.


Maryland lung cancer incidence rate, 2003-2007: 86.6/100,000

Source: MD incidence rates from Maryland Cancer Registry, 2003-2007
U.S. (SEER 17) rate from SEER-Stat Software
Maryland Colorectal Cancer Incidence Rates by Geographical Area: Comparison to U.S. Rate, 2005-2009

Legend
- >25% above U.S. rate

Maryland Colorectal Cancer Incidence Rates by Geographical Area: Comparison to U.S. Rate, 2003-2007

Legend
- >25% above U.S. rate
- 10-25% above U.S. rate
- Between 10% below and 10% above U.S. rate
- 10-25% below U.S. rate
- >25% below U.S. rate

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 H.

U.S. colorectal cancer incidence rate, 2003-2007: 47.8/100,000
Maryland colorectal cancer incidence rate, 2003-2007: 45.4/100,000

Source: MD incidence rates from Maryland Cancer Registry, 2003-2007
U.S. (SEER 17) rate from SEER*Stat Software.
Maryland Female Breast Cancer Incidence Rates by Geographical Area: Comparison to U.S. Rate, 2003-2007

Legend
- >25% above U.S. rate
- 10-25% above U.S. rate
- Between 10% below and 10% above U.S. rate
- 10-25% below U.S. rate
- >25% below U.S. rate

Maryland Female Breast Cancer Incidence Rates by Geographical Area: Comparison to U.S. Rate, 2005-2009

Legend
- >25% above U.S. rate
- 10-25% above U.S. rate
- Between 10% below and 10% above U.S. rate
- 10-25% below U.S. rate
- >25% below U.S. rate

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

Maryland age-specific rates with 95% confidence intervals are presented in Appendix H.

U.S. female breast cancer incidence rate, 2003-2007: 122.99/100,000
Maryland female breast cancer incidence rate, 2003-2007: 122.41/100,000

Source: MD incidence rates from Maryland Cancer Registry, 2003-2007
U.S. (SEER 17) rate from SEER-Stat Software
Maryland Melanoma Incidence Rates by Geographical Area: Comparison to U.S. Rate, 2005-2009

Legend
- Dark gray: >25% above U.S. rate
- Medium gray: 10-25% above U.S. rate
- Light gray: Between 10% below and 10% above U.S. rate
- Lightest gray: 10-25% below U.S. rate
- White: >25% below U.S. rate

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 H, Table 7.

U.S. melanoma incidence rate, 2005-2009: 21.9/100,000

Maryland melanoma incidence rate, 2005-2009: 20.8/100,000

Source: Maryland Cancer Registry
U.S. SEER, SEER*Stat
Comparison of County Age-adjusted Death Rates* for Accidents with the Maryland State Average, 2009-2011.

Comparison of County Age-adjusted Death Rates* for Accidents with the Maryland State Average, 2007-2009.

Average age-adjusted death rate per 100,000 population
- Rate significantly lower than Maryland average
- Rate not significantly different from Maryland average
- Rate significantly higher than Maryland average

*Death rates are calculated from deaths which were at least 15 years of age, regardless of cause of death and do not take into account the age distribution of the population.
Injury-related ED Visits
Garrett County, 2008-2012

Source: Garrett County Memorial Hospital
2010 YRBS SURVEY DATA
<table>
<thead>
<tr>
<th>MEASURE</th>
<th>8&lt;sup&gt;th&lt;/sup&gt; Grade</th>
<th></th>
<th>10&lt;sup&gt;th&lt;/sup&gt; Grade</th>
<th></th>
<th>12&lt;sup&gt;th&lt;/sup&gt; Grade</th>
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<tbody>
<tr>
<td>Past 30-Day Use (%)</td>
<td>10.4</td>
<td>12.7</td>
<td>7.1</td>
<td>22.0</td>
<td>19.0</td>
<td>31.2</td>
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<tr>
<td>Average Age of Onset (yrs.)</td>
<td>11.4</td>
<td>11.5</td>
<td>10.8</td>
<td>12.0</td>
<td>12.6</td>
<td>11.5</td>
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<tr>
<td>Perception of Risk (%)</td>
<td>82.4</td>
<td>78.1</td>
<td>89.1</td>
<td>65.8</td>
<td>69.0</td>
<td>71.4</td>
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<tr>
<td>Perception of Parental</td>
<td>98.5</td>
<td>93.4</td>
<td>93.6</td>
<td>86.3</td>
<td>93.0</td>
<td>82.7</td>
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<tr>
<td>Disapproval (%)</td>
<td></td>
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</table>
Tobacco Use

Past 30-day use of spit tobacco (chewing tobacco, snuff or dip) is quite high among Garrett County high school youth (19.5% for GC vs. 7.2% for Maryland and 7.7% for the United States).

GC Males were almost 5 times as likely to report recent use of spit tobacco – when compared to GC Females (30.4% vs. 6.5%)

Past 30-day use of spit tobacco on school property by GC Males is 16.8%.
Tobacco Use by Adults: 2008-2010

**Cigarette**

- **Source:** BRFSS

**Smokeless Tobacco**

- **Source:** BRFSS

<table>
<thead>
<tr>
<th>Year</th>
<th>Cigarette</th>
<th>Smokeless Tobacco</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000</td>
<td>18.5</td>
<td>1.4</td>
</tr>
<tr>
<td>2002</td>
<td>18.5</td>
<td>2.1</td>
</tr>
<tr>
<td>2006</td>
<td>18.5</td>
<td>6</td>
</tr>
<tr>
<td>2008</td>
<td>18.5</td>
<td>6</td>
</tr>
<tr>
<td>2010</td>
<td>18.5</td>
<td>6</td>
</tr>
</tbody>
</table>
Current Cigarette Smoking – Pregnant Women
Proportion (%) of Pregnant Women from Birth Certificates

Source: Vital Statistics
Childhood Obesity

Data Source: Maryland Youth Tobacco Survey (MYTS)
MAPP PRIORITY AREAS

• **Fragile Systems**
  Strengthen and support those components of our public health system that are fragile because of funding, workforce capacity, demographic shifts, etc.

• **Healthy Lifestyles**
  Empower, educate, and motivate Garrett County residents to lead a healthy lifestyle and prevent harmful behaviors such as substance abuse and domestic violence.

• **Vulnerable Populations**
  Achieve and maintain optimal health and independence for vulnerable populations (aging, disabled, economically disadvantaged, mentally ill).

• **Environmental Health**
  Ensure healthy living and working conditions for Garrett county residents by protecting and increase in natural and built resources as our population grows.