Status of Health

June 2011

Presentation Overview

- Demographics
- Maternal and Child Health Stats
- Vital Statistics
- Cancer Registry
- Hospital Data
- 2010 YBRF Survey Findings
- 2010 Maryland Jurisdictional Comparison Report – Univ. of Wisconsin/RWJ

Status of Health Data

- State Generated Data - Vital Statistics
- Local Data
- U.S. Census Data
- Community Surveys and Focus Groups
- Behavioral Risk Factor Survey
- Youth Behavioral Risk Survey
- Maryland Adolescent Survey
- MHCC
- Maryland Youth Tobacco Survey
- Cancer Registry

Garrett County Demographics

Total Population –	2000	29,846
	2009	29,555

Males	14,601	(49.4%)
Females	14,954	(50.6%)

White	28,961	(98.0%)
Black or African American	296	(1.0%)
American Indian & Alaska Native	24	(.1%)
Asian & Other Pacific Islander	86	(.3%)
Hispanics	190	(.6%)

Source: Maryland Vital Statistics Administration

Demographics (cont.)

People of All Ages in Poverty	(12.6%)
• Persons under 18 years of age	(18.5%)
• Persons 65 years old and over	(14.2%)
Median Household Income 2009	$42,320
Median Household Income 2009 (MD)	$69,193

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

Population in Poverty

- The percentage of persons living below poverty in the county increased from 13.3% in 2000 to 15% in 2008, with nearly 40% of the population having an income less than 185% of the federal poverty level (50% for children).
  - 185% of poverty = $40,792 (family of 4)
  - 133% of poverty = $14,404 (individual)
  - 100% of poverty = $22,050 (family of 4)
- Children under age 19 are eligible for Medicaid whose countable income is at or below 200% FPL – with premium 250% FPL
- Pregnant women of any age, whose countable income is at or below 250% FPL are eligible for Medicaid

U. S. Census Bureau, Last Revised: Friday, 20-Jan-2010: http://quickfacts.census.gov/qfd/states/24/24023.html

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, 2009.

Comparison of County Birth Rates* with the Maryland State Average, 2004.

*Rates are shown on Table 11g.

Number of Garrett County Births

Average Number of Births

1990 – 1999 = 382

2000 – 2009 = 313

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009			
Maryland	25.8	24.7	23.2	21.0	20.0	18.3	18.1	17.1	18.0	18.1	17.3	16.3			
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			

Percentage of Births to Women Receiving Late or No Prenatal Care

Comparison of Percentages of Low Birth Weight Birth* with the Maryland State Average, 2009.

Comparison of Percentages of Low Birth Weight Births*
with the Maryland State Average, 2004.

*Percentages are shown on Table 21a.

Comparison of Percentages of Births to Unmarried Women* with the Maryland State Average, 2009.

Percentage of Births Delivered by C-Section

Infant Mortality Rate

Per 1,000 Live Births

Mortality In Garrett County and Maryland

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

Comparison of County Age-adjusted Death Rates* for All Causes with the Maryland State Average, 2002-2004.

Comparison of County Age-adjusted Death Rate for All Causes for MD, 2007-2009

Causes of Death, 2009
Garrett County

Age-adjusted Death Rates Per 100,000 Population
Diseases of the Heart –2007-2009

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

Comparison of County Age-adjusted Death Rates* for Heart Disease with the Maryland State Average, 2002-2004.

*Rates are shown on Table 50.

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 Cerebrovascular Diseases with the Maryland State Average, 2002-2004.

*Rates are shown on Table 50.

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 Malignant Neoplasms with the Maryland State Average, 2002-2004.

*Rates are shown on Table 50.

Age-adjusted Death Rates Per 100,000 Population Malignant Neoplasms, 2007-2009

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

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. all cancer sites incidence rate, 2003-2007: 461.6/100,000

Maryland all cancer sites incidence rate, 2003-2007: 458.9/100,000

Source: MD incidence rates from Maryland Cancer Registry, 2003-2007
U.S. (SEER 17) rate from SEER*Stat Software

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

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. lung cancer incidence rate, 2003-2007: 62.5/100,000

Maryland lung cancer incidence rate, 2003-2007: 66.6/100,000

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, 2003-2007

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: 47.9/100,000

Maryland colorectal cancer incidence rate, 2003-2007: 46.4/100,000

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

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. female breast cancer incidence rate, 2003-2007: 122.9/100,000

Maryland female breast cancer incidence rate, 2003-2007: 122.4/100,000

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, 2003-2007

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. melanoma incidence rate, 2003-2007: 20.1/100,000

Maryland melanoma incidence rate, 2003-2007: 20.1/100,000

Source: MD incidence rates from Maryland Cancer Registry, 2003-2007
U.S. (SEER 17) rate from SEER*Stat Software

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

Comparison of County Age-adjusted Death Rates* for Accidents with the Maryland State Average, 2002-2004.

*Rates are shown on Table 50.

Injury-related ED Visits
Garrett County, 2008-2010

Source: Garrett County Memorial Hospital

2010 YRBS SURVEY DATA

What is the YRBS?

The Youth Risk Behavior Survey (YRBS) was developed by the Centers for Disease Control (CDC) as part of the national Youth Risk Behavior Surveillance System (YRBSS). The YRBSS was designed to:

1. Determine the prevalence of health risk behaviors
2. Assess whether health risk behaviors increase, decrease, or stay the same over time
3. Examine the co-occurrence of health risk behaviors
4. Provide comparable national, state, territorial, tribal, and local data
5. Provide comparable data among subpopulations of youth
6. Monitor progress toward achieving the Healthy People 2010 objectives and other program indicators

2010 Garrett County YRBS - Rationale

- The **Garrett County Drug Free Communities Coalition** (DFCC) is the recipient of a 5-year Federal grant designed to implement county-wide strategies to address youth substance abuse in Garrett County, MD.
- Data for **FOUR CORE MEASURES** of youth substance abuse is **REQUIRED** for continued funding.
- 2007 was the last year for the Maryland Adolescent Survey (MAS), which contained jurisdictional-level data for grades 6, 8, 10 and 12. *(ALL Garrett students in these grades were surveyed.)*
- The Maryland Youth Risk Behavior Surveys (YRBS) administered in 2005, 2007 and 2009 do not report out on jurisdictional-level data. *(1,644 MD students were surveyed in 2009.)*
- Members of the DFCC received permission from the GC Board of Education to administer the local YRBS to both Middle and High School students. *(ALL Garrett County students in Grades 6-12 were surveyed in March 2010)*

Local Administration of the YRBS

Acting on behalf of the Drug Free Communities Coalition, the Garrett County Health Department facilitated the administration of the YRBS to all Middle and High School youth in Garrett County in March 2010.

The purpose of the YRBS is to monitor the following health-risk behaviors among youth:

1. Unintentional injuries and violence;
2. Tobacco use;
3. Alcohol and other drug use;
4. ***Sexual behaviors that contribute to unintended pregnancies and sexually transmitted diseases;***
5. ***Unhealthy dietary behaviors; and***
6. ***Physical inactivity.***

Unintentional Injuries

2010 YRBS

Garrett County

- Among the 65.6% of youth who had ridden a bicycle during the 12 months before the survey, **78.7%** had rarely or never worn a bicycle helmet. (Q#8)
  - *US 2009: 84.7%*
  - *MD 2009: 83.8%*
- **14.1%** of high school and **9.4%** of middle school youth had rarely or never wore a seat belt when **riding** in a car driven by someone else. (Q#9) *Difference by gender: 8.2% females vs. 20.0% males*
  - *US 2009: 9.7%*
  - *MD 2009: 8.2%*

Cigarette Use

DFCC CORE MEASURES

Garrett County

MEASURE	8th Grade			10th Grade			12th Grade		
	2004 MAS	2007 MAS	2010 YRBS	2004 MAS	2007 MAS	2010 YRBS	2004 MAS	2007 MAS	2010 YRBS
Past 30-Day Use (%)	10.4	12.7	7.1	22.0	19.0	31.2	23.8	30.4	30.3
Average Age of Onset (yrs.)	11.4	11.5	10.8	12.0	12.6	11.5	13.2	14.4	13.7
Perception of Risk (%)	82.4	78.1	89.1	65.8	69.0	71.4	66.0	62.0	68.0
Perception of Parental Disapproval (%)	98.5	93.4	93.6	86.3	93.0	82.7	82.7	86.6	88.2

Other Tobacco Use

2010 High School YRBS

Garrett County

- **19.6%** of youth had used smokeless tobacco (e.g., chewing tobacco, snuff, or dip) on at least 1 day during the past 30 days. (Q#33)
  - *US 2009: 8.9%*
  - *MD 2009: 5.4%*

Difference by gender: 7.7% females vs. 31.5% males

Smokeless Tobacco - Past 30-Day Use				
	9th Grade	**10th Grade**	**11th Grade**	**12th Grade**
Female	12.7%	7.4%	3.5%	7.4%
Male	27.6%	35.1%	28.9%	38.5%

Alcohol Use

DFCC CORE MEASURES

Garrett County

MEASURE	8th Grade			10th Grade			12th Grade		
	2004 MAS	2007 MAS	2010 YRBS	2004 MAS	2007 MAS	2010 YRBS	2004 MAS	2007 MAS	2010 YRBS
Past 30-Day Use (%)	20.0	24.5	15.9	45.4	38.0	45.6	51.5	53.9	50.3
Average Age of Onset (yrs.)	11.8	11.9	11.1	12.9	13.0	12.0	14.1	14.4	12.9
Perception of Risk (%)	65.4	60.0	58.0	47.4	43.6	39.8	47.6	44.4	37.2
Perception of Parental Disapproval (%)	88.0	80.3	84.2	70.1	74.4	73.2	66.6	69.9	64.8

Marijuana Use

DFCC CORE MEASURES

Garrett County

MEASURE	8th Grade			10th Grade			12th Grade		
	2004 MAS	2007 MAS	2010 YRBS	2004 MAS	2007 MAS	2010 YRBS	2004 MAS	2007 MAS	2010 YRBS
Past 30-Day Use (%)	7.4	6.4	--	17.6	15.0	27.8	20.4	20.6	22.5
Average Age of Onset (yrs.)	11.7	12.1	11.4	13.3	13.5	12.9	14.5	15.3	13.6
Perception of Risk (%)	91.7	92.8	86.7	78.0	77.3	54.8	72.6	74.3	52.3
Perception of Parental Disapproval (%)	98.7	97.2	94.7	92.6	97.1	87.5	92.0	95.8	89.5

High School 30 Day Use

Dietary Behaviors

2010 High School YRBS

Garrett County

- **13.7%** **did not eat fruit** in the past **7** days. (Q#81).
  - *US 2009: 11.4%*
  - *MD 2009: 15%*
- **30.5%** of youth **did not eat** a green **salad** in the past **7** days.(Q#82)
  - *US 2009: 36.6%*
  - *MD 2009: 38.2*
- **32.6%** of youth **drank a soda** or pop at least one time per day (not including diet soda or pop) in the past 7 days. (Q86)
  - *US 2009: 29.2%*
  - *MD 2009: 21.3%*

Physical Activity

2010 High School YRBS

Garrett County

- **50%** of youth reported they were **physically active at least 60 minutes less than five days per week**. (Q#88)
  - *US 2009: 63%*
  - *MD 2009: 61.2%*
- **17%** of youth reported they were **not physically active at least 60 minutes any day** in the past week.(Q#88)
  - *US 2009: 23.1%*
  - *MD 2009: 18.5%*

Md. Jurisdictional Comparisons – University of Wisconsin and RWJ

http://www.countyhealthrankings.org/maryland

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.