

# Greater Baltimore Area, Maryland

## 2013 Community Health Needs Assessment: Secondary Data Profile

GBMC

▪ *Sheppard Pratt*  
*A not-for-profit behavioral health system*



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## **I. Background**

Greater Baltimore Medical Center, Sheppard Pratt Health System, and University of Maryland St. Joseph Medical Center partnered to conduct a Community Health Needs Assessment to evaluate the health needs of individuals living in the hospital service areas within Baltimore County, Maryland. The purpose of the assessment was to gather information about local health needs and health behaviors.

The following report is a compilation of existing health data, also known as “secondary data.” Data was gathered and integrated into a report by Holleran, an independent research firm.

A conclusions section is included at the end of the report to highlight strengths, opportunities, and differences. Greater Baltimore Medical Center, Sheppard Pratt Health System, University of Maryland St. Joseph Medical Center, and their community partners will use the data from the Secondary Data Profile in conjunction with data from key informant interviews to understand community health needs and prioritize public health endeavors.

## **Reading the Results**

Demographic and health indicator statistics have been collated to portray the current health status of the Greater Baltimore service area. For all of the statistics provided, the most recently published data at the service area level was utilized. For example, if 2011 data was available at the national level, but only 2010 data was available at the service area level, 2010 data was utilized at all levels unless otherwise indicated. Comparisons to Maryland, the Nation, and Health People 2020 goals were included when available.

All demographic and health indicator statistics are presented as an aggregate of the total service area, which includes the following zip codes within Baltimore County, Maryland:

<b>Zip Code</b>	<b>County</b>	<b>Town(s)</b>
21030	Baltimore	Cockeysville
21093	Baltimore	Lutherville, Timonium
21204	Baltimore	Pikesville, Towson
21207	Baltimore	Pikesville
21286	Baltimore	Towson
21117	Baltimore	Owings Mills
21222	Baltimore/Baltimore City	Dundalk
21234	Baltimore/Baltimore City	Parkville
21236	Baltimore/Baltimore City	Nottingham

Due to the availability of zip code-level data, estimated demographic data is based on the 5-year (2006 – 2010) American Community Survey. In addition, all health indicator rates are crude, not age-adjusted.

Behavioral Risk Factor Surveillance System data was aggregated and provided by the Maryland Department of Health & Mental Hygiene. All reported percentages are weighted according to the standards set by the Centers for Disease Control and Prevention.

## **Definitions**

**Age-Adjusted Rate** - Assumes equal age distributions between populations to account for the effect of age on disease and death rates.

**Crude Rate** - Generally defined as the total number of cases or deaths divided by the total population at risk. Crude rate is generally presented as per populations of 1,000, 10,000 or 100,000. It is based on raw data and does not account for characteristics such as age, race, and gender.

**Family**- Defined as more than one person living together, either as relations or as a married couple.

**Frequency**- Often denoted by the symbol “n,” frequency is the number of occurrences of an event.

**Household**- Defined as one or more people sharing a residence. Examples include college students sharing an apartment or a single male living alone.

**Incidence Rate** - Indicates the number of new disease cases in a specified amount of time. Time is determined by the number of years candidates for the disease are observed before they are diagnosed.

**Infant Mortality Rate** - Defined as the number of infant deaths per 1,000 live births per year. Infant is defined as being less than one year of age.

**Neonatal Mortality Rate** - Defined as the number of infant deaths in the first 27 days after birth per 1,000 live births per year.

**Post-Neonatal Mortality Rate** - Defined as the number of infant deaths occurring from 28 days to 12 months per 1,000 live births per year.

## II. Demographic Statistics

### A. Population Statistics

Table A1. Overall Population (2010)

	U.S.		Maryland		GB Service Area	
Population	308,745,538		5,773,552		298,273	
Population Change (00' - 10')	9.7%		9.0%		7.3%	
Gender	n	%	n	%	n	%
Male	151,781,326	49.2	2,791,762	48.4	139,822	46.9
Female	156,964,212	50.8	2,981,790	51.6	158,451	53.1

Source: U.S. Census Bureau, 2010

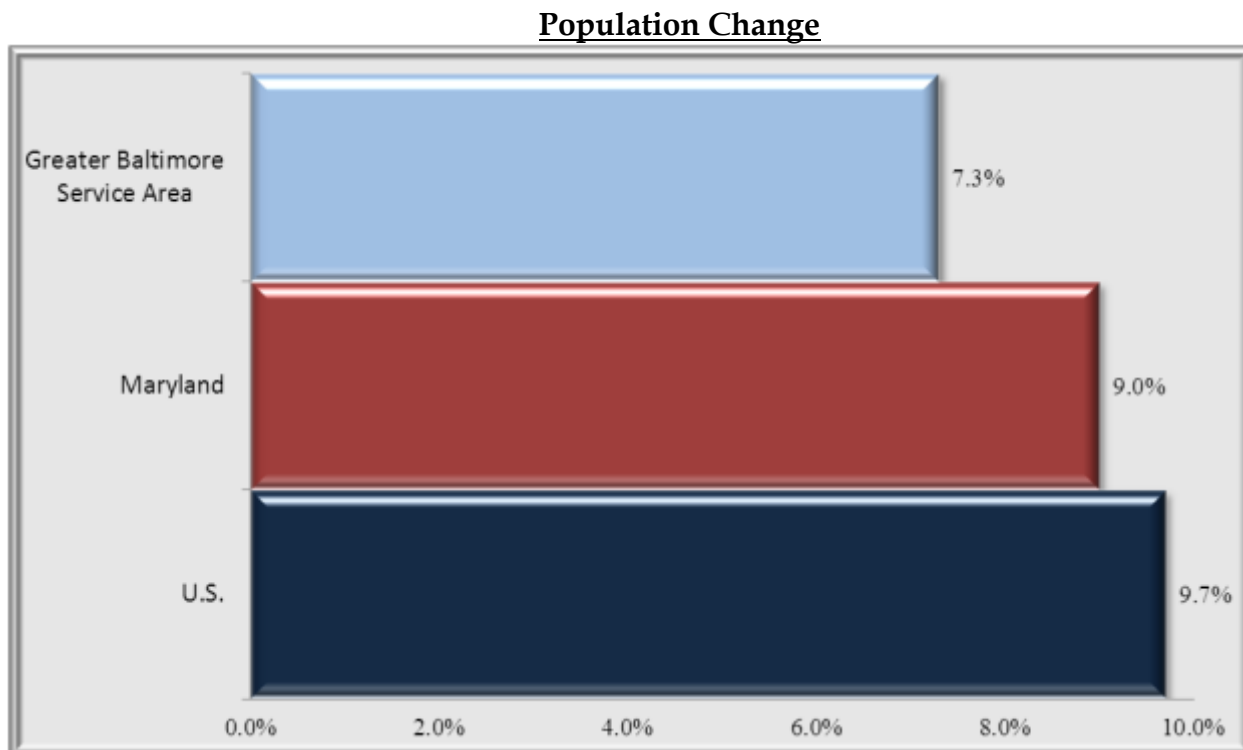


Figure A1. Percent population change, Greater Baltimore service area compared to Maryland and the U.S. (2000 - 2010).

Table A2. Population by Age (2010)

	U.S.		Maryland		GB Service Area	
	n	%	n	%	n	%
Under 5	20,201,362	6.5	364,488	6.3	17,835	6.0
5 - 9	20,348,657	6.6	366,868	6.4	16,848	5.6
10 - 14	20,677,194	6.7	379,029	6.6	16,971	5.7
15 - 19	22,040,343	7.1	406,241	7.0	21,419	7.2
20 - 24	21,585,999	7.0	393,698	6.8	24,909	8.4
25 - 29	21,101,849	6.8	393,548	6.8	21,707	7.3
30 - 34	19,962,099	6.5	368,494	6.4	19,547	6.6
35 - 39	20,179,642	6.5	377,409	6.5	18,683	6.3
40 - 44	20,890,964	6.8	418,163	7.2	19,255	6.5
45 - 49	22,708,591	7.4	461,585	8.0	20,530	6.9
50 - 54	22,298,125	7.2	440,619	7.6	20,938	7.0
55 - 59	19,664,805	6.4	377,989	6.5	18,664	6.3
60 - 64	16,817,924	5.4	317,779	5.5	16,210	5.4
65 - 69	12,435,263	4.0	226,596	3.9	11,442	3.8
70 - 74	9,278,166	3.0	159,761	2.8	8,811	3.0
75 - 79	7,317,795	2.4	124,579	2.2	8,175	2.7
80 - 84	5,743,327	1.9	98,580	1.7	7,810	2.6
85 and over	5,493,433	1.8	98,126	1.7	8,519	2.9
<b>Median Age</b>	<b>37.2</b>		<b>38.0</b>		<b>37.9</b>	
<b>% 18 years and over</b>	<b>76.0%</b>		<b>76.6%</b>		<b>79.0%</b>	
<b>% 65 years and over</b>	<b>13.0%</b>		<b>12.3%</b>		<b>15.0%</b>	

Source: U.S. Census Bureau, 2010

Table A3. Racial Breakdown (2010) <sup>a</sup>

	U.S.		Maryland		GB Service Area	
	n	%	n	%	n	%
White	223,553,265	72.4	3,359,284	58.2	194,333	65.2
Black/African American	38,929,319	12.6	1,700,298	29.4	72,716	24.4
American Indian/ Alaska Native	2,932,248	0.9	20,420	0.4	1,124	0.4
Asian	14,674,252	4.8	318,853	5.5	16,722	5.6
Native Hawaiian or Other Pacific Islander	540,013	0.2	3,157	0.1	124	0.0
Two or more races	9,009,073	2.9	164,708	2.9	7,776	2.6
Hispanic or Latino ( <i>of any race</i> ) <sup>b</sup>	50,477,594	16.3	470,632	8.2	13,894	4.7

Source: U.S. Census Bureau, 2010

<sup>a</sup> Percentages may equal more than 100% as individuals may report more than one race

<sup>b</sup> Hispanic/Latino residents can be of any race, for example, White Hispanic or Black/African-American Hispanic

Table A4. Language Spoken at Home, 5 Years Old and Older (2006 - 2010)

	U.S.	Maryland	GB Service Area
Population 5 years old and over	283,833,852	5,331,330	276,722
English only	79.9%	84.1%	86.4%
Language other than English	20.1%	15.9%	13.6%
Speak English less than "very well"	8.7%	6.3%	5.4%
Spanish	12.5%	6.5%	3.8%
Speak English less than "very well"	5.8%	3.1%	1.6%
Other Indo-European languages	3.7%	4.3%	5.4%
Speak English less than "very well"	1.2%	1.2%	2.2%
Asian and Pacific Islander languages	3.1%	3.5%	3.1%
Speak English less than "very well"	1.5%	1.5%	1.4%

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

## B. Household Statistics

Table B1. Households by Occupancy (2010)

	U.S.		Maryland		GB Service Area	
	n	%	n	%	n	%
Total housing units	131,704,730	100.0	2,378,814	100.0	127,696	100.0
Occupied units	116,716,292	88.6	2,156,411	90.7	119,630	93.7
Owner-occupied	75,986,074	65.1	1,455,775	67.5	74,529	62.3
Renter-occupied	40,730,218	34.9	700,636	32.5	45,101	37.7
Vacant units	14,988,438	11.4	222,403	9.3	8,066	6.3

Source: U.S. Census Bureau, 2010

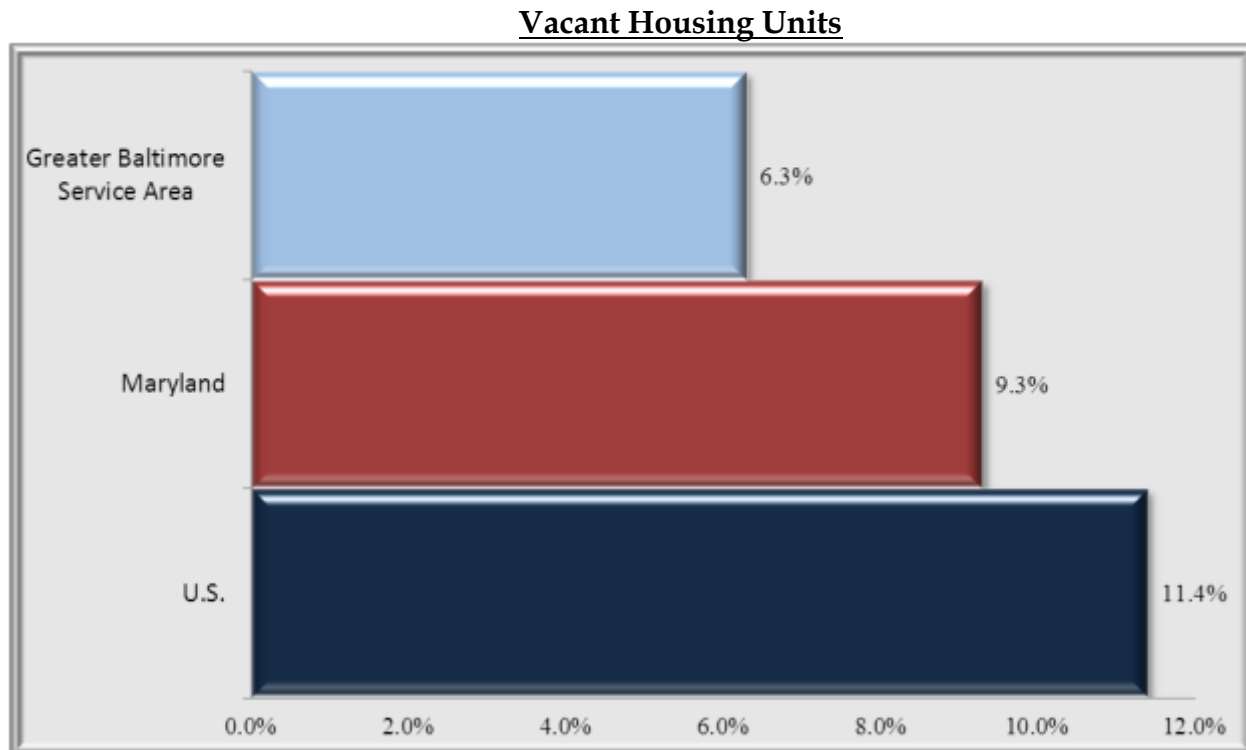


Figure B1. Percentage of vacant housing units, Greater Baltimore service area compared to Maryland and the U.S. (2010).



Table B2. Households by Value for Owner-Occupied Units (2006 - 2010)

	U.S.		Maryland		GB Service Area	
	n	%	n	%	n	%
Less than \$50,000	6,203,294	8.2	36,410	2.5	1,152	1.5
\$50,000 to \$99,999	11,301,615	14.9	54,695	3.7	2,862	3.8
\$100,000 to \$149,999	11,794,496	15.5	81,298	5.6	6,953	9.3
\$150,000 to \$199,999	10,874,859	14.3	128,253	8.8	13,251	17.7
\$200,000 to \$299,999	13,534,240	17.8	339,854	23.2	23,817	31.9
\$300,000 to \$499,999	12,883,834	16.9	501,117	34.2	19,375	26.0
\$500,000 to 999,999	7,679,537	10.1	275,424	18.8	6,239	8.4
\$1,000,000 or more	1,817,775	2.4	47,111	3.2	1,008	1.4
<b>Median value</b>	<b>\$188,400</b>		<b>\$329,400</b>		<b>\$260,706</b>	

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

**Median Value for Owner-Occupied Units**

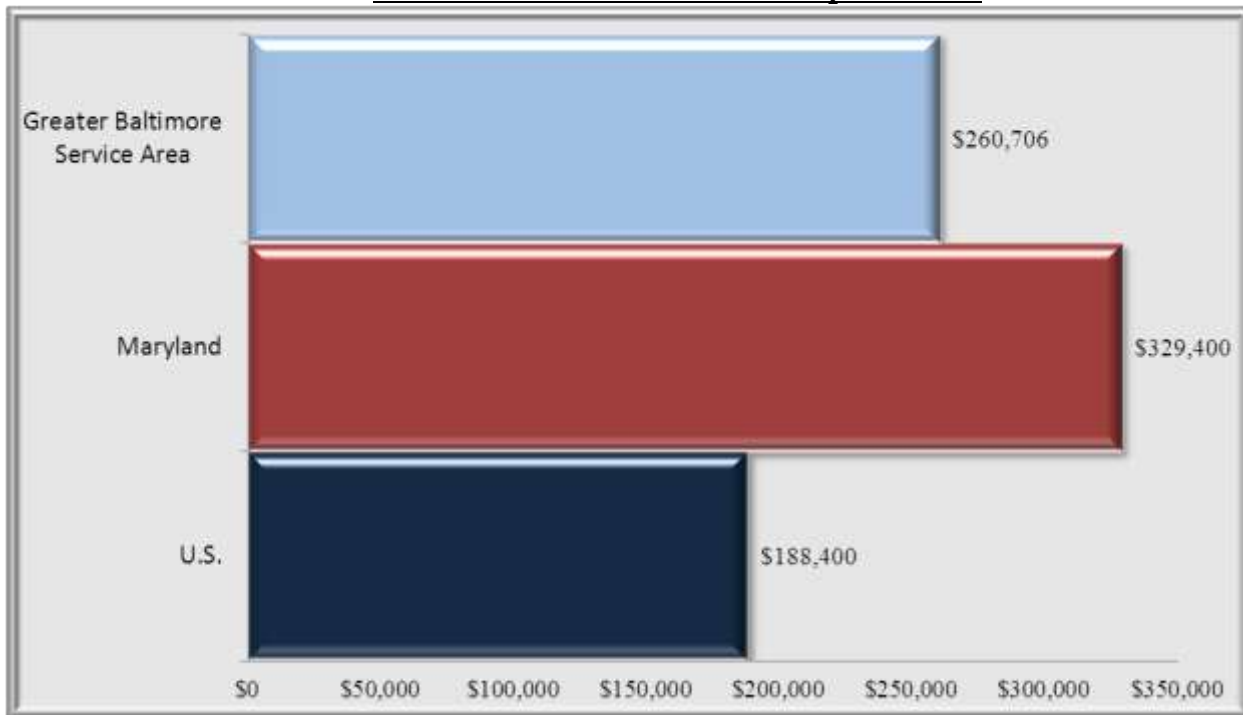


Figure B2. Median value for owner-occupied unit, Greater Baltimore service area compared to Maryland and the U.S. (2006 - 2010).

Table B3. Households by Type (2010)

	U.S.		Maryland		GB Service Area	
	n	%	n	%	n	%
<b>Total households</b>	116,716,292	100.0	2,156,411	100.0	119,630	100.0
Average household size	2.6	--	2.6	--	2.4	--
Average family size	3.1	--	3.2	--	3.0	--
<b>Family households</b>	77,538,296	66.4	1,447,002	67.1	72,537	41.6
Male householder, no wife	5,777,570	5.0	104,375	4.8	5,623	4.7
With own children under 18 yrs.	2,789,424	2.4	47,191	2.2	2,497	2.1
Female householder, no husband	15,250,349	13.1	315,888	14.6	17,118	14.3
With own children under 18 yrs.	8,365,912	7.2	164,366	7.6	8,699	7.3
Husband-wife families	56,510,377	48.4	1,026,739	47.6	49,796	41.6
<b>Nonfamily households</b>	39,177,996	33.6	709,409	32.9	47,093	39.4

Source: U.S. Census Bureau, 2010

**Family Households**

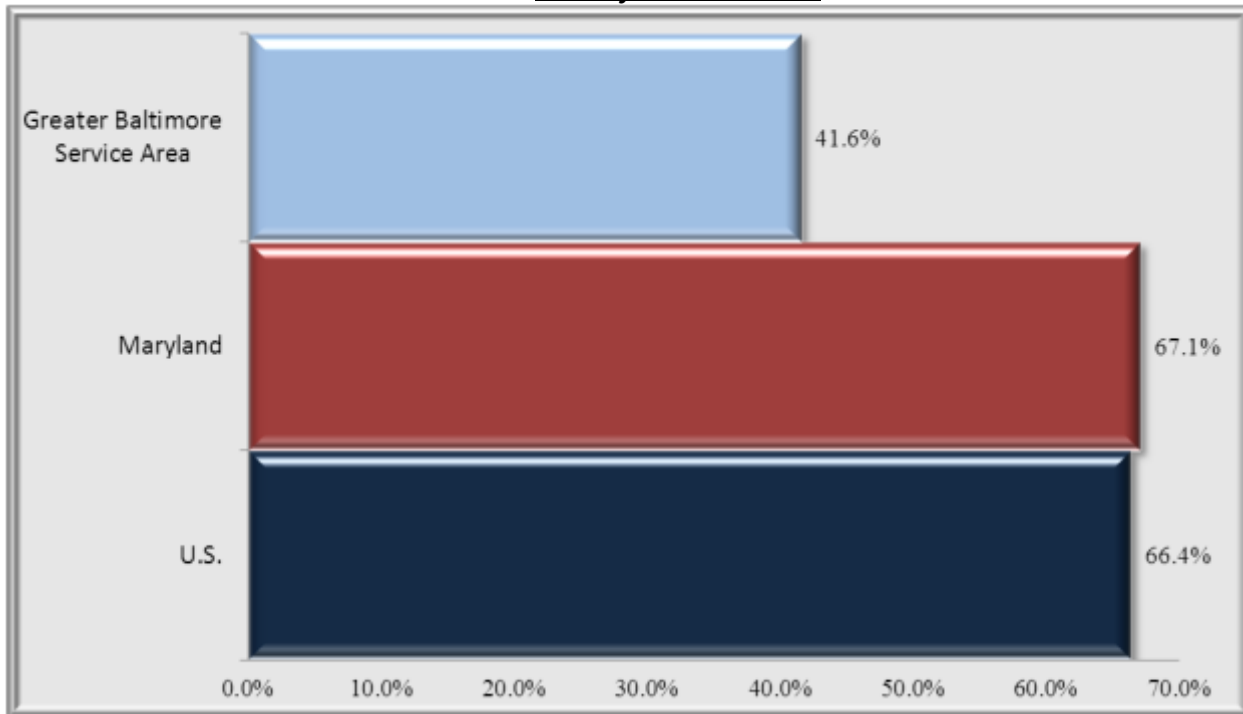


Figure B3. Percentage of family households, Greater Baltimore service area compared to Maryland and the U.S. (2010).

Table B4. Households by Selected Characteristics (2006 - 2010)

	U.S.	Maryland	GB Service Area
Lacking complete plumbing facilities	0.5%	0.4%	0.2%
Lacking complete kitchen facilities	0.8%	0.5%	0.4%
No telephone service available <sup>a</sup>	3.7%	2.9%	3.2%

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

<sup>a</sup> Telephone service includes both landline and cell phone service

Table B5. Marital Status, 15 Years and Over (2006 - 2010)

	U.S.	Maryland	GB Service Area
Never married	31.0%	33.3%	34.9%
Now married, except separated	50.2%	48.6%	45.1%
Separated	2.2%	2.7%	2.5%
Widowed	6.1%	6.0%	7.6%
Divorced	10.5%	9.4%	9.9%

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

### Marital Status

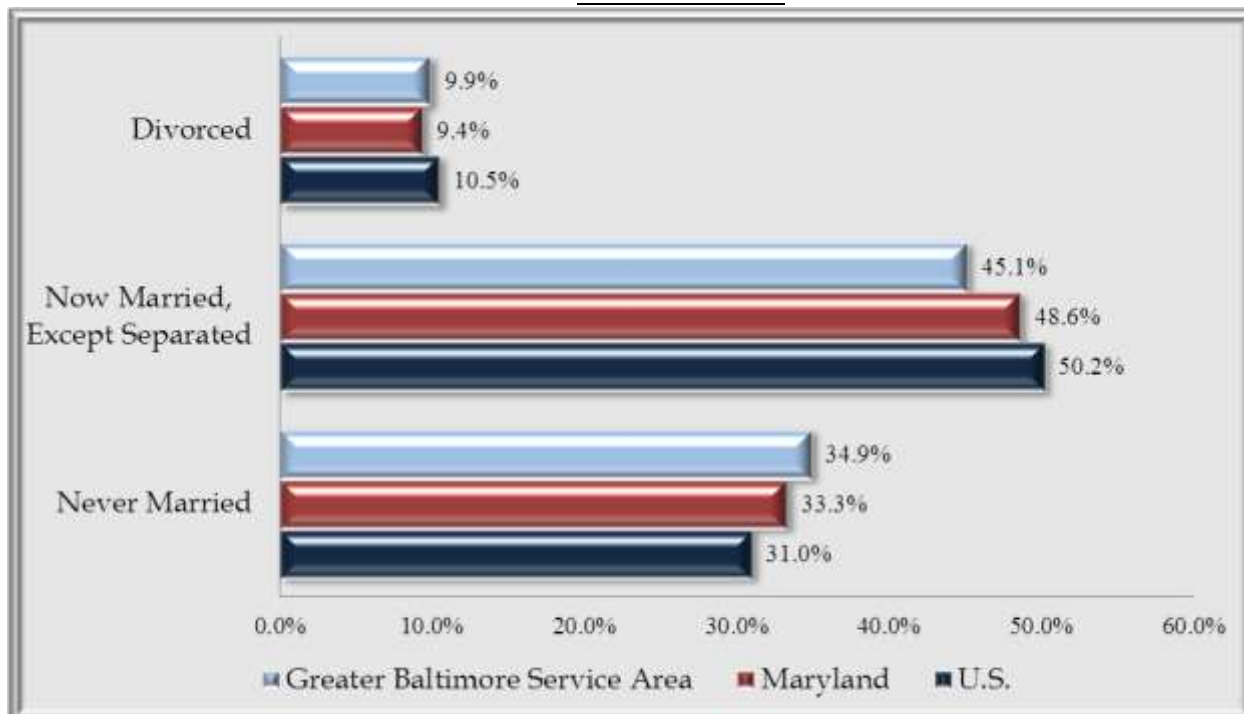


Figure B4. Marital status, Greater Baltimore service area compared to Maryland and the U.S. (2006 - 2010).

## C. Income Statistics

Table C1. Household and Family Income in 2010 Inflation-Adjusted Dollars (2006 – 2010)

Household Income	U.S.		Maryland		GB Service Area	
	n	%	n	%	n	%
Total households	114,235,996		2,121,047		120,559	
Less than \$10,000	8,274,388	7.2	105,359	5.0	6,342	5.3
\$10,000 to \$14,999	6,294,748	5.5	70,756	3.3	5,364	4.4
\$15,000 to \$24,999	12,340,738	10.8	145,954	6.9	9,917	8.2
\$25,000 to \$34,999	10,043,840	10.5	164,080	7.7	11,440	9.5
\$35,000 to \$49,999	16,132,902	14.1	249,521	11.8	16,903	14.0
\$50,000 to \$74,999	21,201,711	18.6	386,304	18.2	24,132	20.0
\$75,000 to \$99,999	14,097,295	12.3	299,813	14.1	17,169	14.2
\$100,000 to \$149,999	14,065,756	12.3	375,928	17.7	17,515	14.5
\$150,000 to \$199,999	4,993,775	4.4	167,757	7.9	6,317	5.2
\$200,000 or more	4,790,843	4.2	155,575	7.3	5,460	4.5
<b>Median income</b>	<b>\$51,914</b>		<b>\$70,647</b>		<b>\$61,351</b>	
Family Income	U.S.		Maryland		GB Service Area	
	76,254,318		1,423,399		72,295	
<b>Median income</b>	<b>\$62,982</b>		<b>\$85,098</b>		<b>\$78,627</b>	

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

### Median Household Income

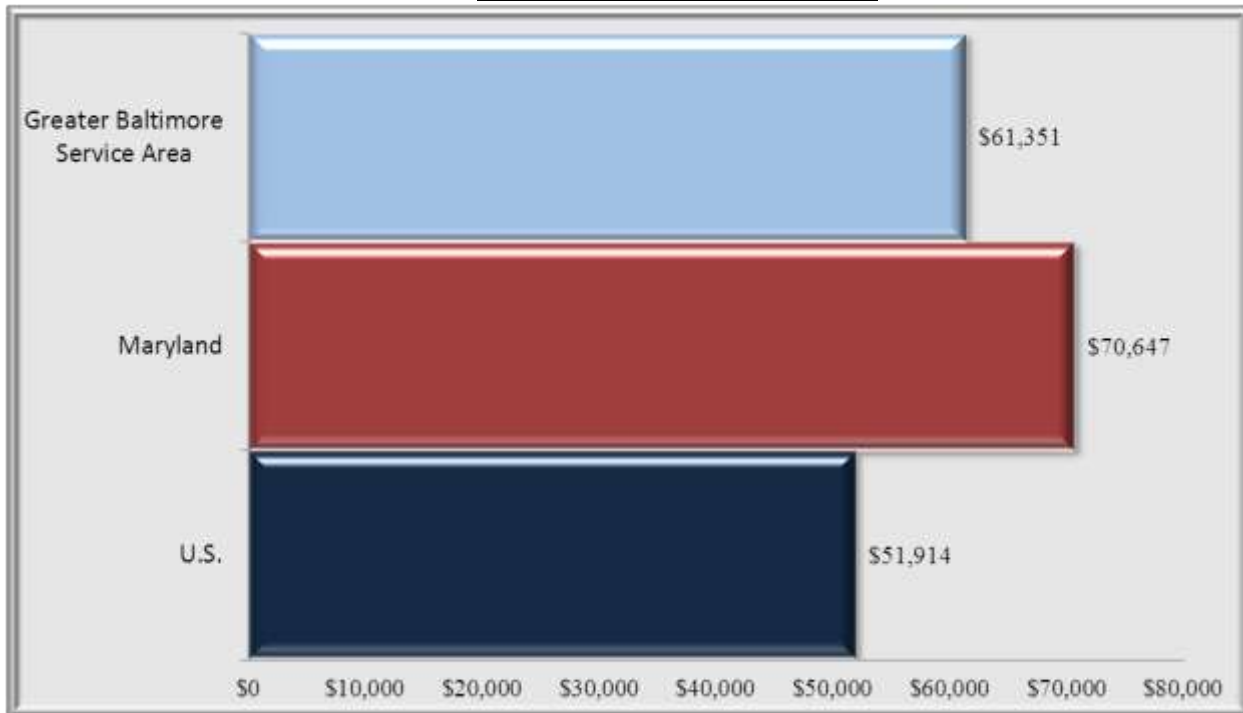


Figure C1. Median household income, Greater Baltimore service area compared to Maryland and the U.S. (2006 - 2010).

### Median Family Income



Figure C2. Median family income, Greater Baltimore service area compared to Maryland and the U.S. (2006 - 2010).

Table C2. Poverty Status of Families and People in the Past 12 Months (2006 – 2010)

	U.S.	Maryland	GB Service Area
<b>Families</b>	10.1%	5.7%	5.5%
With related children under 18 years	15.7%	8.7%	8.1%
With related children under 5 years	17.1%	9.2%	4.5%
<b>Married couple families</b>	4.9%	2.2%	2.9%
With related children under 18 years	7.0%	2.6%	3.8%
With related children under 5 years	6.4%	2.8%	2.3%
<b>Families with female householder, no husband present</b>	28.9%	17.1%	13.1%
With related children under 18 years	37.4%	22.7%	17.9%
With related children under 5 years	45.8%	27.8%	7.1%
<b>All people</b>	13.8%	8.6%	9.5%
Under 18 years	19.2%	10.9%	10.6%
18 years and over	12.1%	7.9%	9.2%
65 years and over	9.5%	7.9%	8.6%
Unrelated individuals 15 years and over	24.8%	19.2%	20.3%

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

Table C3. 2012 Health and Human Services Poverty Guidelines

Size of Family Unit	48 Contiguous States and D.C.	Alaska	Hawaii
1	\$11,170	\$13,970	\$12,860
2	\$15,130	\$18,920	\$17,410
3	\$19,090	\$23,870	\$21,960
4	\$23,050	\$28,820	\$26,510
5	\$27,010	\$33,770	\$31,060
6	\$30,970	\$38,720	\$35,610
7	\$34,930	\$43,670	\$40,160
8	\$38,890	\$48,620	\$44,710
For each additional person, add:	\$3,960	\$4,950	\$4,550

**Poverty Guidelines:** A version of the federal poverty measure. They are issued each year in the *Federal Register* by the Department of Health and Human Services. The guidelines are a simplification of the poverty thresholds for use for administrative purposes (Determining eligibility for certain federal programs).

Source: U.S. Department of Health and Human Services, 2012

## D. Employment Statistics

Table D1. Employment Status (2006 – 2010)

	U.S.		Maryland		GB Service Area	
Population 16 years and over	238,733,844		4,503,062		239,744	
	n	%	n	%	n	%
In labor force	155,163,977	65.0	3,135,769	69.6	160,267	66.8
Civilian labor force	154,037,474	64.5	3,107,928	69.0	159,845	66.7
Employed	141,833,331	59.4	2,903,595	64.5	150,265	62.7
Unemployed	12,204,143	5.1	204,333	4.5	9,580	4.0
Armed Forces	1,126,503	0.5	27,841	0.6	422	0.2
Not in labor force	83,569,867	35.0	1,367,293	30.4	79,477	33.2
<b>Unemployed civilian labor force</b>	<b>7.9%</b>		<b>6.6%</b>		<b>6.0%</b>	

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

Table D2. Commuting To Work Status, Workers 16 Years and Over (2006 – 2010)

	U.S.		Maryland		GB Service Area	
	n	%	n	%	n	%
Car, truck, or van -- drove alone	105,840,717	76.0	2,089,717	73.2	114,057	77.4
Car, truck, or van -- carpooled	14,418,306	10.4	303,049	10.6	15,449	10.5
Public transportation (excluding taxicab)	6,872,730	4.9	248,485	8.7	6,762	4.6
Walked	3,962,070	2.8	71,275	2.5	4,394	3.0
Other means	2,401,488	1.7	32,998	1.2	2,265	1.5
Worked at home	5,759,724	4.1	110,412	3.9	4,388	3.0
<b>Mean travel time to work (minutes)</b>	<b>25.2</b>		<b>31.3</b>		<b>26.5</b>	

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

Table D3. Estimated Major Occupational Groups, Civilian Employed Population 16 Years and Over (2006 – 2010)

	U.S.		Maryland		GB Service Area	
	n	%	n	%	n	%
Management, business, science, and arts	50,034,578	35.3	1,257,549	43.3	65,319	43.5
Service	24,281,015	17.1	462,199	15.9	22,219	14.8
Sales and office	36,000,118	25.4	700,815	24.1	39,850	26.5
Natural resources, construction, and maintenance	13,940,273	9.8	252,428	8.7	10,014	6.7
Production, transportation, and material moving	17,577,347	12.4	230,604	7.9	12,863	8.6

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

Table D4. Class of Worker, Civilian Employed Population 16 Years and Over (2006 – 2010)

	U.S.		Maryland		GB Service Area	
	n	%	n	%	n	%
Private wage and salary workers	111,303,933	78.5	2,107,477	72.6	117,964	78.5
Government workers	21,024,265	14.8	643,957	22.2	25,948	17.3
Self-employed workers in own not incorporated business	9,250,789	6.5	148,318	5.1	6,142	4.1
Unpaid family workers	254,344	0.2	3,843	0.1	211	0.1

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



Table D5. Estimated Major Industrial Group Percentages, Civilian Employed Population 16 Years and Over (2006 – 2010)

	U.S.		Maryland		GB Service Area	
	n	%	n	%	n	%
Agriculture, forestry, fishing and hunting, and mining	2,634,188	1.9	14,783	0.5	238	0.2
Construction	10,115,885	7.1	217,804	7.5	8,036	5.3
Manufacturing	15,581,149	11.0	152,988	5.3	9,727	6.5
Wholesale trade	4,344,743	3.1	65,641	2.3	3,953	2.6
Retail trade	16,293,522	11.5	283,706	9.8	15,534	10.3
Transportation and warehousing, and utilities	7,183,907	5.1	129,818	4.5	6,502	4.3
Information	3,368,676	2.4	77,699	2.7	3,973	2.6
Finance, insurance, real estate and rental and leasing	9,931,900	7.0	197,722	6.8	13,122	8.7
Professional, scientific, management, administrative and waste management services	14,772,322	10.4	422,979	14.6	19,429	12.9
Educational services, and health care and social assistance	31,277,542	22.1	647,365	22.3	39,841	26.5
Arts, entertainment, recreation, accommodation, and food services	12,566,228	8.9	218,477	7.5	11,747	7.8
Other services, except public administration	6,899,223	4.9	155,921	5.4	6,396	4.3
Public administration	6,864,046	4.8	318,692	11.0	11,767	7.8

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

## E. Education Statistics

Table E1: Educational Attainment, Population 25 Years and Over (2006 – 2010)

	U.S.	Maryland	GB Service Area
Less than 9th grade	6.2%	4.4%	3.9%
9th to 12th grade, no diploma	8.7%	7.8%	7.4%
High school graduate (includes equivalency)	29.0%	26.4%	26.2%
Some college, no degree	20.6%	19.3%	19.5%
Associate's degree	7.5%	6.3%	5.7%
Bachelor's degree	17.6%	19.8%	20.6%
Graduate or professional degree	10.3%	16.0%	16.7%
<b>Percent high school graduate or higher</b>	<b>85.0%</b>	<b>87.8%</b>	<b>88.7%</b>
<b>Percent bachelor's degree or higher</b>	<b>27.9%</b>	<b>35.7%</b>	<b>37.2%</b>

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

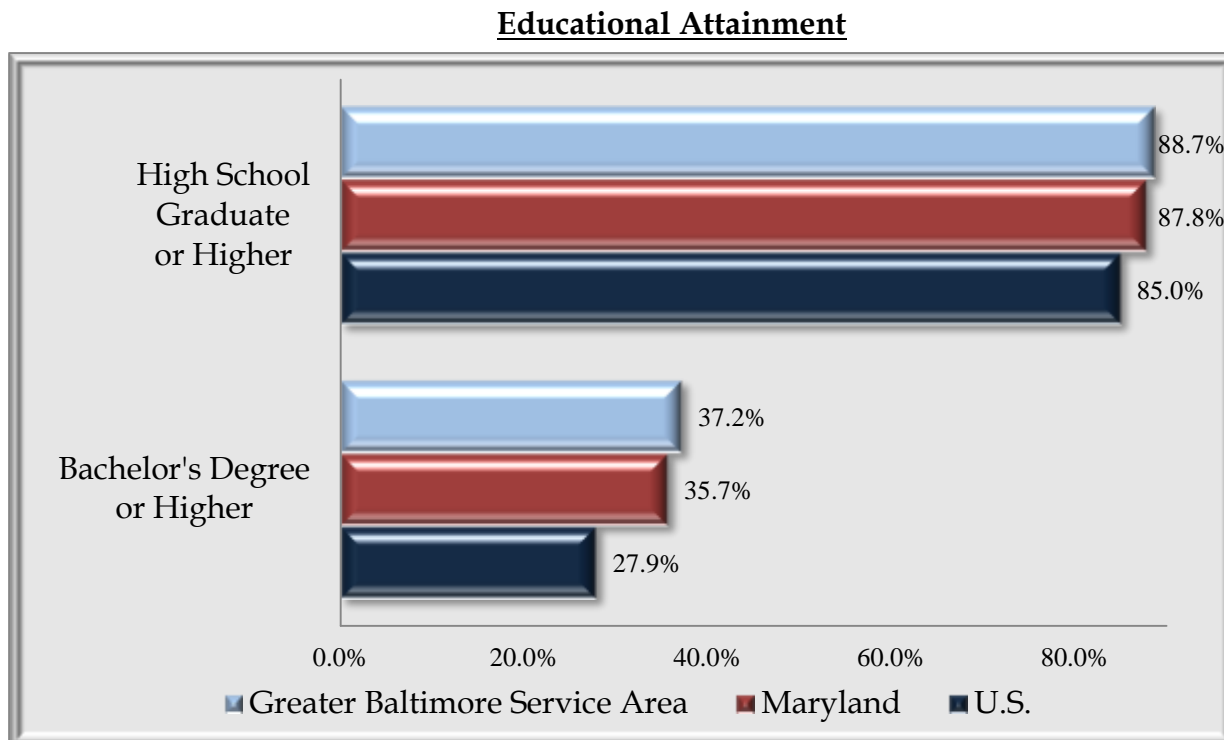


Figure E1. Educational Attainment, Greater Baltimore service area compared to Maryland and the U.S. (2006 - 2010).

### III. Health Status Indicators

#### F. Mortality Statistics

Table F1. Mortality for All Ages per 100,000 Population (2011)

	U.S.	Maryland	GB Service Area
Total deaths	2,513,171	43,650	3,654
Crude rate	806.6	748.9	997.8 <sup>a</sup>

Sources: Center for Disease Control and Prevention, 2012

Maryland Department of Health and Mental Hygiene, 2012

<sup>a</sup>Rate calculated per 2010 population

Table F2. Leading Causes of Death for All Ages per 100,000 Population (2011)

	U.S.	Maryland	GB Service Area <sup>a</sup>
The following are the top 5 leading causes of death in ranking order of the United States.			
Diseases of heart	191.4	182.9	243.6
Malignant neoplasms (Cancer)	184.6	177.1	213.5 <sup>b</sup>
Chronic lower respiratory diseases	46.0	35.7	53.6
Cerebrovascular diseases (Stroke)	41.4	40.1	63.4
Accidents (Unintentional injuries)	39.4	26.7	42.5 <sup>c</sup>

Sources: Center for Disease Control and Prevention, 2012

Maryland Department of Health and Mental Hygiene, 2012

<sup>a</sup>Rates calculated per 2010 population

<sup>b</sup>Due to data availability, rate does not include zip codes 21207 or 21236

<sup>c</sup>Due to data availability, rate does not include zip codes 21117, 21222, or 21286

Table F3. Percentage of All Deaths for Leading Causes by Zip Code (2011)

Zip Code: 21030		Zip Code: 21093	
Top 5 Leading Causes of Death	% of Deaths	Top 5 Leading Causes of Death	% of Deaths
Malignant neoplasms (Cancer)	23.1	Malignant neoplasms (Cancer)	22.3
Diseases of the heart	17.1	Diseases of the heart	21.1
Cerebrovascular diseases (Stroke)	6.5	Cerebrovascular diseases (Stroke)	7.7
Chronic lower respiratory diseases	6.0	Chronic lower respiratory diseases	5.5
Accidents (Unintentional injuries)	3.5	Accidents (Unintentional injuries)	3.2
Zip Code: 21117		Zip Code: 21204	
Top 5 Leading Causes of Death	% of Deaths	Top 5 Leading Causes of Death	% of Deaths
Malignant neoplasms (Cancer)	23.0	Diseases of the heart	27.5
Diseases of the heart	23.0	Malignant neoplasms (Cancer)	16.3
Cerebrovascular diseases (Stroke)	6.7	Cerebrovascular diseases (Stroke)	8.4
Chronic lower respiratory diseases	4.9	Accidents (Unintentional injuries)	5.2
Intentional self-harm (Suicide)	2.8	Chronic lower respiratory diseases	4.4
Zip Code: 21207		Zip Code: 21222	
Top 5 Leading Causes of Death	% of Deaths	Top 5 Leading Causes of Death	% of Deaths
Diseases of the heart	25.7	Diseases of the heart	26.0
Malignant neoplasms (Cancer)	20.4	Malignant neoplasms (Cancer)	22.4
Cerebrovascular diseases (Stroke)	7.9	Cerebrovascular diseases (Stroke)	5.4
Diabetes mellitus	4.8	Chronic lower respiratory diseases	5.2
Accidents (Unintentional injuries)	4.2	Influenza and pneumonia	3.8
Zip Code: 21234		Zip Code: 21236	
Top 5 Leading Causes of Death	% of Deaths	Top 5 Leading Causes of Death	% of Deaths
Diseases of the heart	26.5	Malignant neoplasms (Cancer)	27.9
Malignant neoplasms (Cancer)	19.3	Diseases of the heart	24.6
Cerebrovascular diseases (Stroke)	5.4	Accidents (Unintentional injuries)	5.0
Chronic lower respiratory diseases	4.9	Cerebrovascular diseases (Stroke)	4.0
Accidents (Unintentional injuries)	4.0	Influenza and pneumonia	3.7
Zip Code: 21286			
Top 5 Leading Causes of Death	% of Deaths		
Diseases of the heart	22.0		
Malignant neoplasms (Cancer)	19.7		
Chronic lower respiratory diseases	6.7		
Cerebrovascular diseases (Stroke)	6.3		
Influenza and pneumonia	3.5		
Alzheimer's disease	3.5		

Source: Maryland Department of Health and Mental Hygiene, 2012

Table F4. Infant Mortality per 1,000 Live Births (2007 - 2011)

	Healthy People 2020	U.S.		Maryland		GB Service Area	
	Rate	n	Rate	n	Rate	n	Rate
Infant	6.0	132,105	6.4	2,769	7.3	147	8.3
Neonatal	4.1	86,666	4.2	2,012	5.3	112	6.3
Postneonatal	2.0	45,459	2.2	757	2.0	35	2.0

Sources: Center for Disease Control and Prevention, 2008 - 2012

Healthy People 2020, 2010

Maryland Department of Health and Mental Hygiene, 2008 - 2012

**Infant Mortality Rate**

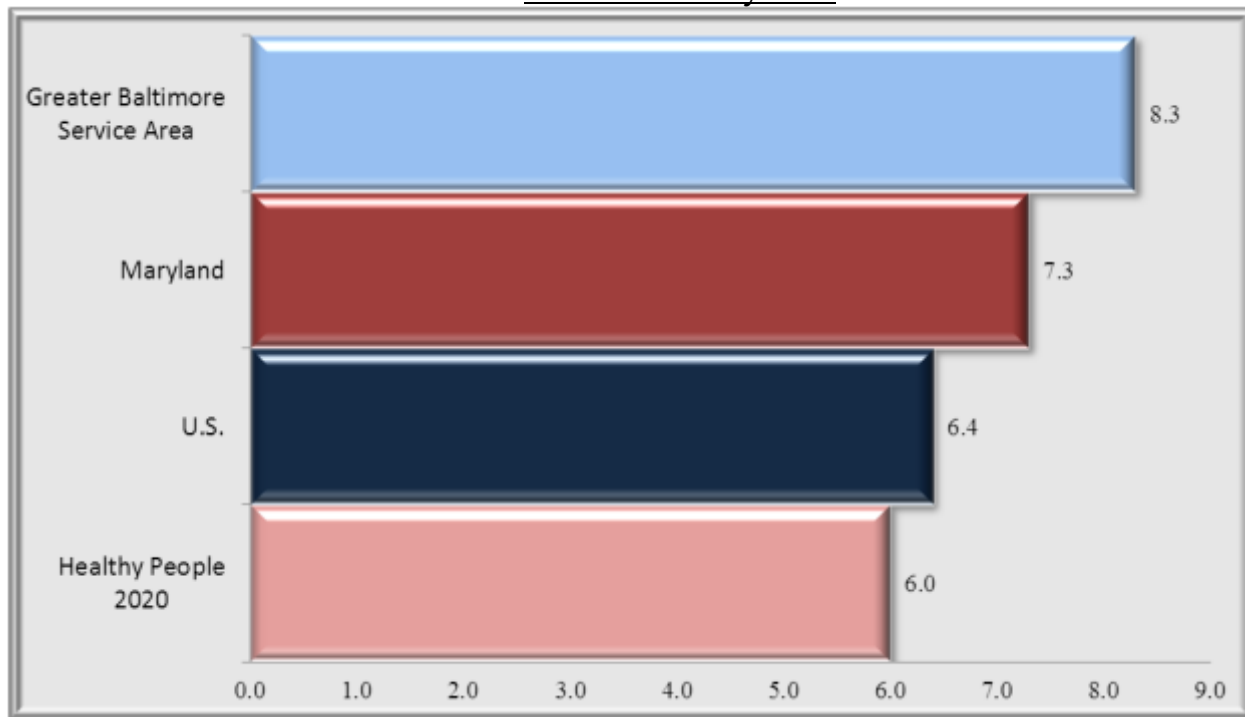


Figure F1. Infant mortality rate per 1,000 live births, Greater Baltimore service area compared to Maryland, the U.S, and Healthy People 2020. (2007 - 2011).

## G. Birth & Maternal Health Statistics

Table G1. Live Births per 1,000 Population (2011)

	U.S.	Maryland	GB Service Area
Live births	3,953,593	73,051	4,418
Birth rate	12.7	12.5	12.1

Sources: Center for Disease Control and Prevention, 2012  
 Maryland Department of Health and Mental Hygiene, 2012

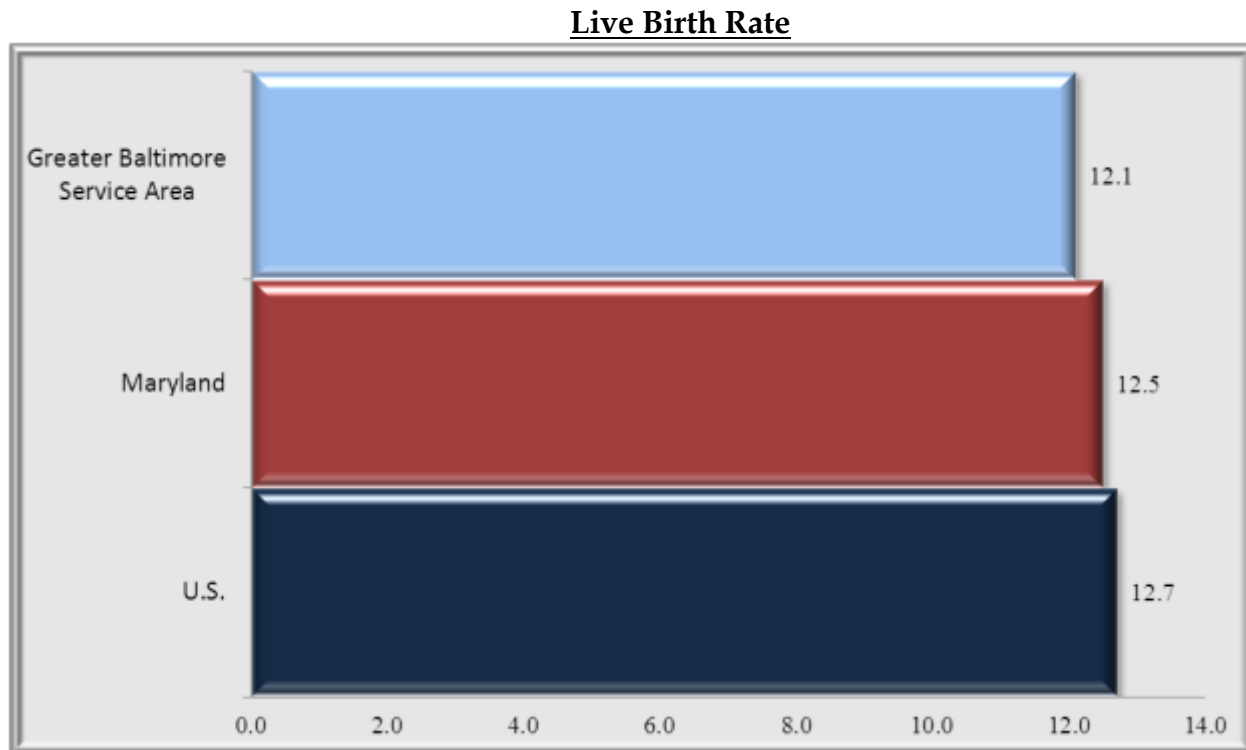


Figure G1. Live birth rate per 1,000 population, Greater Baltimore service area compared to Maryland and the U.S. (2011).

**Low Birth Weight:**  
A weight less than 5 pounds 3 ounces (2,500 grams).

**Very Low Birth Weight:** A weight less than 3 pounds 5 ounces (1,500 grams)

Table G2. Birth Weight as a Percentage of All Births (2011)

	Healthy People 2020	U.S.		Maryland <sup>a</sup>		GB Service Area	
	%	n	%	n	%	n	%
Low birth weight	7.8	N/A	8.1	6,470	8.9	393	8.9
Very low birth weight	1.4	N/A	1.4	1,295	1.8	97	2.2

Sources: Center for Disease Control and Prevention, 2012

Healthy People 2020, 2010

Maryland Department of Health and Mental Hygiene, 2011 - 2012

<sup>a</sup> Due to data availability, very low birth weight statistics based on 2010 data

**Low Birth Weight**

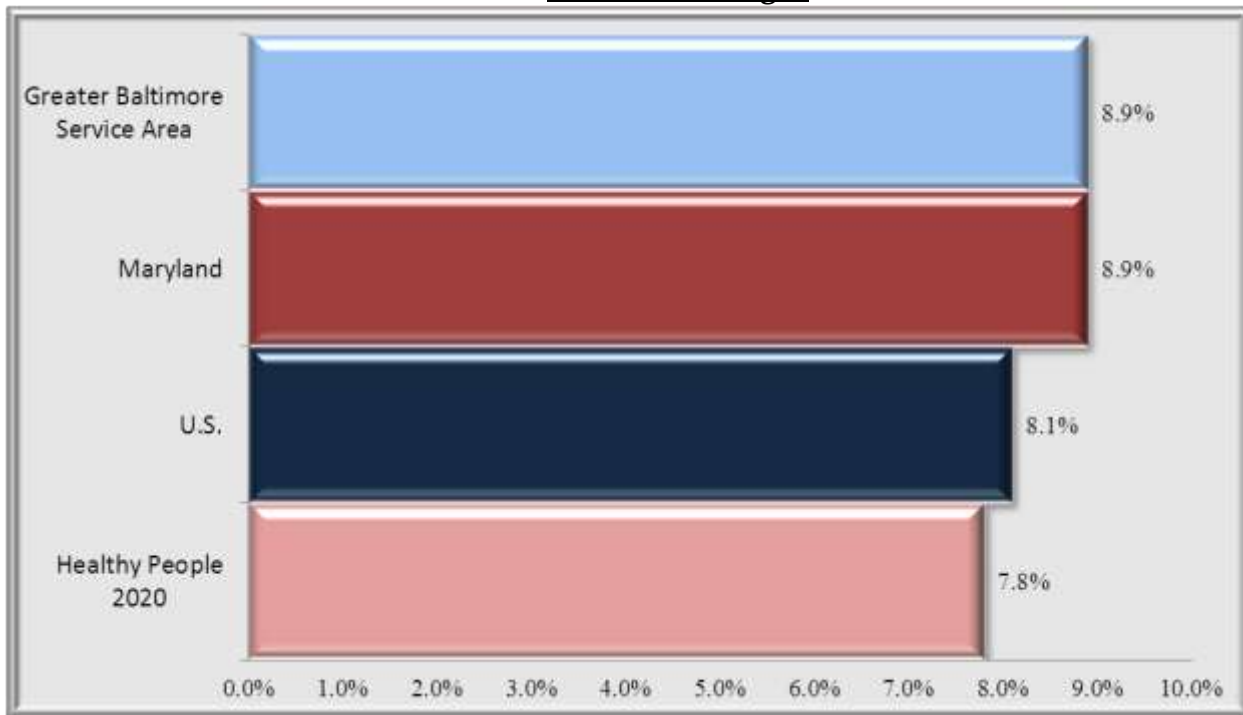


Figure G2. Percentage of infants born with low birth weight, Greater Baltimore service area compared to Maryland, the U.S, and Healthy People 2020. (2011).

Table G3. Births by Mother's Age as a Percentage of All Births (2011)

	U.S		Maryland		GB Service Area	
	n	%	n	%	n	%
<15 years	3,974	0.1	75	0.1	1	0.0
15 - 17 years	95,554	2.4	1,395	1.9	69	1.6
18 - 19 years	234,242	5.9	3,396	4.6	190	4.3
20 - 24 years	925,213	23.4	14,116	19.3	821	18.6
25 - 29 years	1,127,592	28.5	20,116	27.5	1,315	29.8
30 - 34 years	986,661	25.0	20,456	28.0	1,252	28.3
35 - 39 years	463,815	11.7	10,627	14.5	624	14.1
>39 years	116,542	2.9	2,863	3.9	144	3.3

Sources: Center for Disease Control and Prevention, 2012  
 Maryland Department of Health and Mental Hygiene, 2012

**Births to Teenage Mothers**

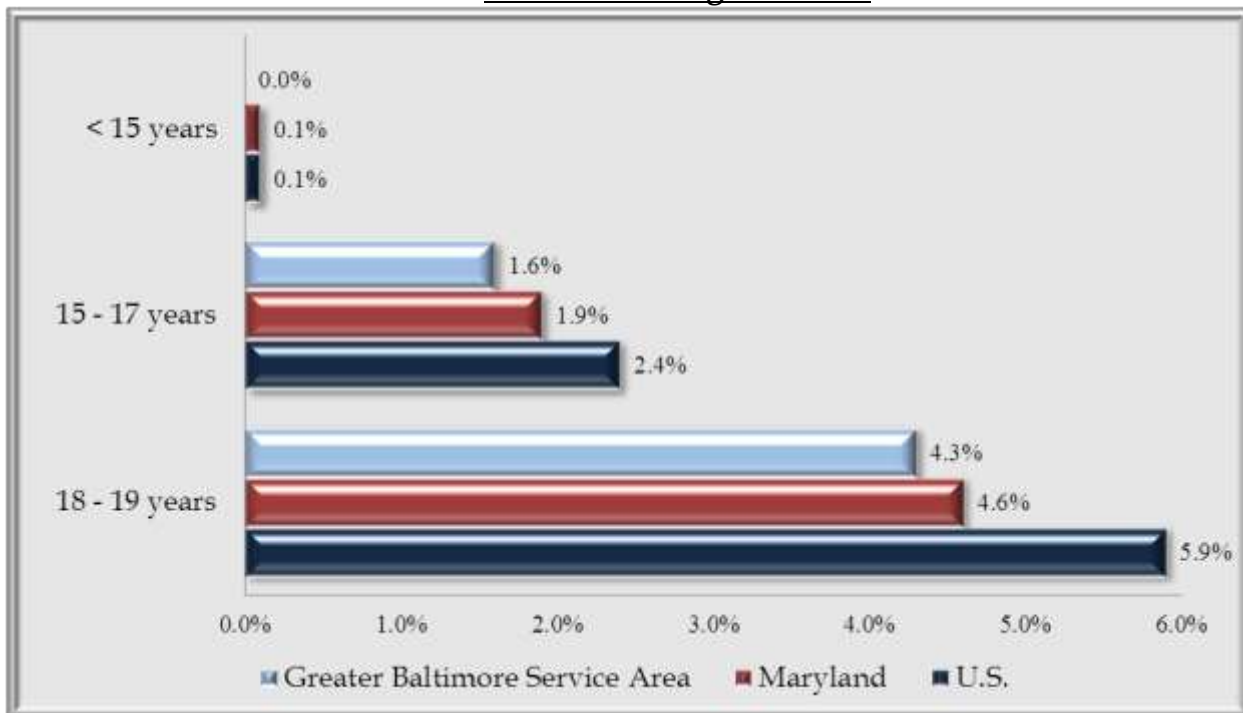


Figure G3. Percent of reported pregnancies by mother's age, Greater Baltimore Medical Center service area compared to Maryland and the U.S. (2011).



Table G4. Onset of Prenatal Care as a Percentage of All Births (2011)

	Healthy People 2020	Maryland	GB Service Area
First Trimester	77.9%	62.4%	65.4%
Second Trimester	N/A	22.0%	22.0%
Third Trimester	N/A	5.6%	5.3%
No Care	N/A	2.2%	1.7%

Sources: Healthy People 2020, 2010  
 Maryland Department of Health and Mental Hygiene, 2012

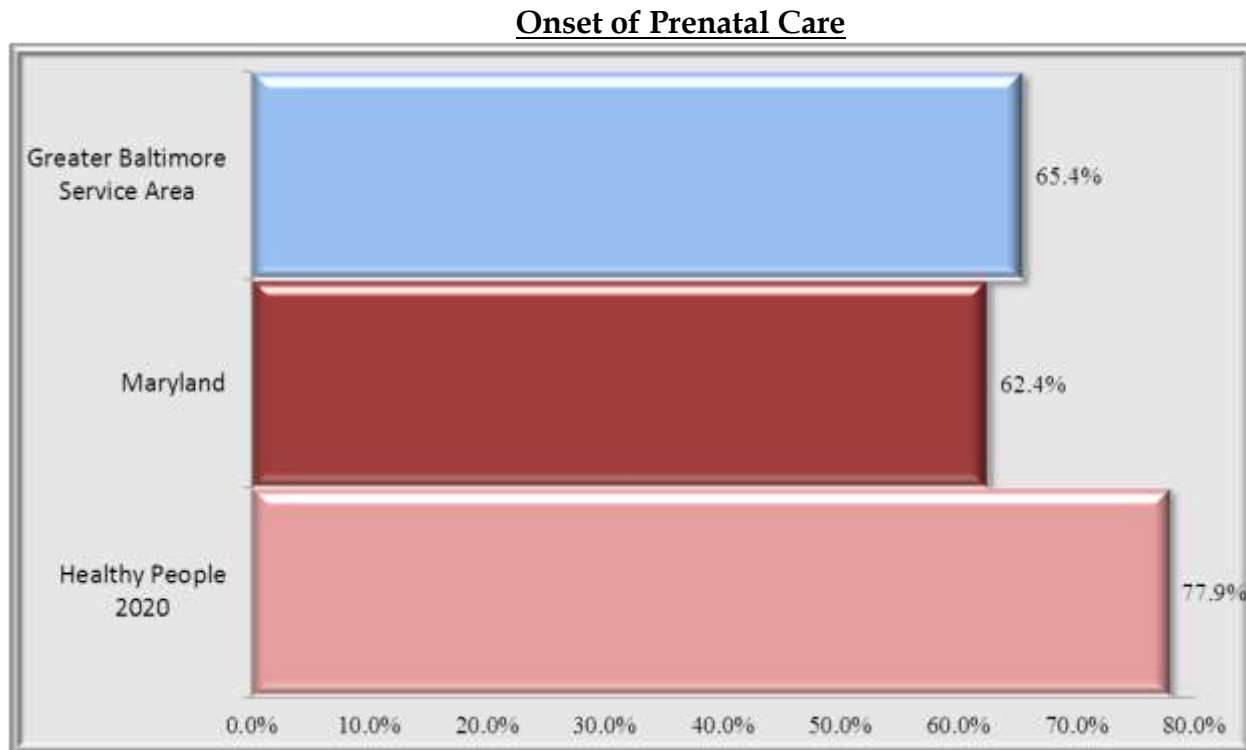


Figure G4. Percent of mothers starting prenatal care in the first trimester, Greater Baltimore service area compared to Maryland and Healthy People 2020. (2011).

## IV. Behavioral Risk Factor Surveillance System Results

### H. Access to Health Care

Table H1. Health Insurance Coverage (2011)

Do you have any kind of health insurance coverage?	U.S		Maryland		GB Service Area	
	n	%	n	%	n	%
Yes	444,969	81.7	9,320	87.0	428	88.1
No	57,787	18.3	777	13.0	33	11.9

Source: Maryland Behavioral Risk Factor Surveillance System, 2012

Table H2. Affordable Care (2011)

Was there a time in the past 12 months when you could not afford to see a doctor?	U.S		Maryland		GB Service Area	
	n	%	n	%	n	%
Yes	63,828	17.0	935	13.1	50	15.3
No	439,274	83.0	9,161	86.9	411	84.7

Source: Maryland Behavioral Risk Factor Surveillance System, 2012

Table H3. Routine Checkup (2011)

How long has it been since you last visited a doctor for a routine checkup?	U.S		Maryland		GB Service Area	
	n	%	n	%	n	%
Never	5,032	1.4	52	0.8	2	0.3
< 1 year	360,620	66.9	8,078	75.8	394	82.7
1 to <2 years	60,075	13.9	1,031	12.6	39	9.4
2 to < 5 years	36,083	9.1	446	6.1	11	3.3
≥ 5 years	36,007	8.8	411	4.7	13	4.2

Source: Maryland Behavioral Risk Factor Surveillance System, 2012

## I. Cancer

Table I1. Cancer Diagnosis (2011)

Have you ever been told by a doctor, nurse, or other health professional that you had cancer?	Maryland		GB Service Area	
	n	%	n	%
Yes	738	11.5	34	13.9
No	3,674	88.5	166	86.1

Source: Maryland Behavioral Risk Factor Surveillance System, 2012

## J. Cardiovascular Health

Table J1. Heart Attack (2011)

Has a doctor ever told you that you had a heart attack (myocardial infarction)?	U.S		Maryland		GB Service Area	
	n	%	n	%	n	%
Yes	29,983	4.3	518	4.2	24	5.6
No	472,004	95.7	9,562	95.8	437	94.4

Source: Maryland Behavioral Risk Factor Surveillance System, 2012

Table J2. Angina/Coronary Heart Disease (2011)

Has a doctor ever told you that you had angina or coronary disease?	U.S		Maryland		GB Service Area	
	n	%	n	%	n	%
Yes	30,171	4.3	567	4.0	20	3.4
No	469,638	95.7	9,490	96.0	441	96.6

Source: Maryland Behavioral Risk Factor Surveillance System, 2012

Table J3. Stroke (2011)

Has a doctor ever told you that you had a stroke?	U.S		Maryland		GB Service Area	
	n	%	n	%	n	%
Yes	20,421	2.9	357	2.6	13	2.2
No	482,610	97.1	9,742	97.4	447	97.8

Source: Maryland Behavioral Risk Factor Surveillance System, 2012

Table J4. High Blood Cholesterol (2011)

Were you ever told by a doctor or health professional that your blood cholesterol is high?	U.S		Maryland		GB Service Area	
	n	%	n	%	n	%
Yes	187,455	38.5	3,737	35.4	159	37.7
No	243,003	61.5	5,294	64.6	253	62.3

Source: Maryland Behavioral Risk Factor Surveillance System, 2012

Table J5. Blood Cholesterol Checked (2011)

Have you ever had your blood cholesterol checked?	U.S		Maryland		GB Service Area	
	n	%	n	%	n	%
Yes	434,329	79.4	9,108	84.5	418	86.2
No	60,490	20.6	871	15.5	39	13.8

Source: Maryland Behavioral Risk Factor Surveillance System, 2012

Table J6. Most Recent Blood Cholesterol Check (2011)

How long has it been since you last had your blood cholesterol checked?	U.S		Maryland		GB Service Area	
	n	%	n	%	n	%
< 1 year	329,984	74.0	7,263	77.4	342	83.5
1 to < 2 years	50,912	13.2	990	13.0	51	11.2
2 to < 5 years	31,172	8.5	481	6.3	11	3.1
≥ 5 years	16,552	4.3	258	3.2	10	2.2

Source: Maryland Behavioral Risk Factor Surveillance System, 2012

## K. Childhood Immunizations

Table K1. Flu Vaccination (2011)

During the last 12 months, has your child had a seasonal flu shot?	U.S		Maryland		GB Service Area	
	n	%	n	%	n	%
Yes	3,276	48.2	1,311	57.6	64	68.4
No	3,715	51.8	1,048	42.4	34	31.6

Source: Maryland Behavioral Risk Factor Surveillance System, 2012

## L. Environmental Health

Table L1. Asthma Diagnosis (2011)

Have you ever been told by a doctor or other health professional that you had asthma?	U.S		Maryland		GB Service Area	
	n	%	n	%	n	%
Yes	64,873	13.5	1,174	13.8	55	12.7
No	437,957	86.5	8,920	86.2	406	87.3

Source: Maryland Behavioral Risk Factor Surveillance System, 2012

Table L2. Current Asthma Diagnosis (2011)

Do you still have asthma?	U.S		Maryland		GB Service Area	
	n	%	n	%	n	%
Yes	45,087	66.9	803	61.9	40	75.5
No	18,075	33.1	350	38.1	15	24.5

Source: Maryland Behavioral Risk Factor Surveillance System, 2012

## M. Mental Health

Table M1. Anxiety and Depression (2011)

Has a doctor ever told you that you have a depressive disorder?	U.S		Maryland		GB Service Area	
	n	%	n	%	n	%
Yes	90,890	16.5	1,401	13.6	69	16.3
No	410,090	83.2	8,682	86.4	392	83.7

Source: Maryland Behavioral Risk Factor Surveillance System, 2012

## N. Oral Health

Table N1. Dental Visit (2011)

How long has it been since you last visited a dentist for any reason?	Maryland		GB Service Area	
	n	%	n	%
Never	16	0.5	1	0.6
< 1 year	3,318	73.6	161	76.1
1 to < 2 years	369	10.2	15	9.6
2 to < 5 years	278	7.5	13	6.8
≥ 5 years	366	8.3	16	7.0

Source: Maryland Behavioral Risk Factor Surveillance System, 2012

Table N2. Tooth Decay and Gum Disease (2011)

How many of your permanent teeth have been removed because of tooth decay or gum disease?	Maryland		GB Service Area	
	n	%	n	%
None	2,127	58.5	86	45.4
1 to 5	1,311	26.5	70	33.4
6 or more, but not all	542	9.8	32	16.3
All	301	5.2	15	4.9

Source: Maryland Behavioral Risk Factor Surveillance System, 2012

Table N3. Dental Cleaning (2011)

How long has it been since you had your teeth cleaned by a dentist or dental hygienist?	Maryland		GB Service Area	
	n	%	n	%
Never	25	0.8	2	0.9
< 1 year	3,165	74.5	152	72.5
1 to < 2 years	376	11.3	16	11.3
2 to < 5 years	211	5.9	10	5.4
≥ 5 years	266	7.5	11	9.9

Source: Maryland Behavioral Risk Factor Surveillance System, 2012

## O. Tobacco & Alcohol Use

Table O1. Smoking Status (2011)

What is your smoking status?	U.S		Maryland		GB Service Area	
	n	%	n	%	n	%
Current smoker (Every day)	61,653	14.3	1,076	13.7	49	17.1
Current smoker (Some days)	22,561	5.8	401	5.4	17	3.7
Former smoker	147,542	24.7	2,980	22.6	127	20.9
Never smoked	270,120	55.2	5,604	58.3	265	58.3

Source: Maryland Behavioral Risk Factor Surveillance System, 2012

Table O2. Smokeless Tobacco (2011)

Do you currently use chewing tobacco, snuff, or snus every day, some days, or not at all?	U.S		Maryland		GB Service Area	
	n	%	n	%	n	%
Every day	8,614	1.9	79	0.9	1	0.2
Some days	6,667	1.8	106	1.3	6	1.5
Not at all	488,697	96.3	9,926	97.9	454	98.3

Source: Maryland Behavioral Risk Factor Surveillance System, 2012

Table O3. Binge Drinking (2011)

During the past 30 days did you have four (women)/five (men) or more drinks on an occasion?	U.S		Maryland		GB Service Area	
	n	%	n	%	n	%
Yes	407,304	18.3	1,163	18.0	51	16.6
No	60,454	81.7	8,211	82.0	381	83.4

Source: Maryland Behavioral Risk Factor Surveillance System, 2012

Table O4. Chronic Drinking (2011)

Do you consume more than 2 (men) / 1 (women) drinks per day?	U.S		Maryland		GB Service Area	
	n	%	n	%	n	%
Yes	440,792	6.6	501	6.2	31	7.4
No	26,728	93.4	8,878	93.8	400	92.6

Source: Maryland Behavioral Risk Factor Surveillance System, 2012

## P. Weight Management

Table P1. Weight Classification Based on BMI (2011)

Calculated BMI	U.S		Maryland		GB Service Area	
	n	%	n	%	n	%
Not overweight/obese (BMI ≤24.9)	171,140	36.8	3,277	35.6	161	34.7
Overweight (BMI 25.0 - 29.9)	173,047	35.8	3,527	36.1	162	34.6
Obese (BMI ≥ 30.0)	132,688	27.4	2,646	28.3	113	30.7

Source: Maryland Behavioral Risk Factor Surveillance System, 2012

Table P2. Physical Activity (2011)

Meet 150 minutes or 75 minutes vigorous aerobics and strengthening guidelines per week	U.S		Maryland		GB Service Area	
	n	%	n	%	n	%
Met both guidelines	85,830	20.4	1,765	19.8	80	17.6
Met aerobics only	153,238	30.9	2,899	28.8	128	25.2
Met strengthening only	33,964	8.7	793	10.2	49	15.7
Did not meet either	186,985	40.0	3,782	41.2	173	41.5

Source: Maryland Behavioral Risk Factor Surveillance System, 2012



## V. Conclusions

The following conclusions are drawn from comparisons of secondary data statistics for the Greater Baltimore area to Maryland and United States. They are categorized as either Areas of Strength, Areas of Opportunity, or Areas of Difference. Areas of Strength highlight factors in which the service area has a more favorable outcome than Maryland and/or the Nation. In contrast, Areas of Opportunity highlight factors in which the service area can improve upon in comparison to Maryland and/or the Nation. Areas in which the service area differs notably from Maryland and/or the Nation, but cannot be considered strengths or opportunities, are considered Areas of Difference. For example, if the service area has a notably larger male population versus female population, it is not a strength nor an opportunity, but it is an Area of Difference.

In general, the secondary data for the Greater Baltimore service area reveals higher socioeconomic groups with more favorable income, education levels, and housing. The majority of Greater Baltimore residents have health insurance coverage and appear to be more likely to seek preventive care such as blood cholesterol screenings and flu vaccinations.

Conversely, overall mortality rates and mortality rates for certain chronic conditions (heart disease, cancer, and chronic lower respiratory disease) are higher in the Greater Baltimore service area compared to Maryland and the U.S. as a whole. Risk factors for these chronic diseases (obesity, tobacco use, and alcohol use) are also higher in the Greater Baltimore service area compared to the rest of the state and nation.

## Areas of Strength

### ❖ Housing

- 6.3% of Greater Baltimore service area housing units are vacant compared to Maryland (9.3%) and the Nation (11.4%).

### ❖ Income

- In general, the proportion of families and people living in poverty in Greater Baltimore is less compared to the Nation and comparable to Maryland. A noteworthy indicator is the proportion of female household families living in poverty with children under 5 years (7.1%) which is lower than Maryland (27.8%) and the Nation (45.8%).

### ❖ Employment

- 6.0% of Greater Baltimore service area residents are unemployed. This is in comparison to Maryland (6.6%) and the Nation (7.9%).

### ❖ Education

- 88.7% of residents in the Greater Baltimore service area have earned a high school diploma or higher and 37.2% have earned a bachelor's degree or higher. This is in comparison to Maryland (87.8%; 35.7%) and the Nation (85.0%; 27.9%).

### ❖ Birth & Maternal Health

- The percentage of teenage mothers is less overall in the Greater Baltimore service area than in Maryland and the Nation.

### ❖ Access to Health Care

- The percentage of Greater Baltimore service area residents who have health insurance coverage (88.1%) is higher compared to Maryland (87.0%) and the Nation (81.7%).
- The percentage of Greater Baltimore service area residents who have visited a doctor for a routine checkup within the past year (82.7%) is higher compared to Maryland (75.8%) and the Nation (66.9%).

### ❖ Cardiovascular Health

- The percentage of Greater Baltimore service area residents who have ever had their blood cholesterol checked (86.2%) is higher compared to Maryland (84.5%) and the Nation (79.4%). In addition, the percentage of residents who have had it checked within the past year (83.5%) is higher compared to Maryland (77.4%) and the Nation (74.0%).

### ❖ Childhood Immunizations

- The percentage of Greater Baltimore service area residents who have a child who received a seasonal flu shot in the last 12 months (68.4%) is higher compared to Maryland (57.6%) and the Nation (48.2%).

## Areas of Opportunity

### ❖ Mortality

- The crude mortality rate for the Greater Baltimore service area (997.8) is notably higher compared to Maryland (748.9) and the Nation (806.6).
- The Greater Baltimore service area has a higher crude death rate due to heart disease, cancer, chronic lower respiratory disease, stroke, and accidents than Maryland and the Nation.
- The infant mortality rate (8.3) and neonatal mortality rate (6.3) are higher for the Greater Baltimore service area than for Maryland (7.3; 5.3), the Nation (6.4; 4.2), and Healthy People 2020 (6.0; 4.1).

### ❖ Birth & Maternal Health

- The percentage of infants born with very low birth weight is higher for the Greater Baltimore service area (2.2%) than for Maryland (1.8%), the Nation (1.4%), and Healthy People 2020 (1.4%). The percentage of infants born with low birth weight is also higher for the Greater Baltimore service area (8.9%) than the nation (8.1%).
- The percentage of mothers beginning prenatal care in the first trimester is higher for the Greater Baltimore service area (65.4%) than for Maryland (62.4%). However, it is notably less than the Healthy People 2020 goal of 77.9%.

### ❖ Environmental Health

- The percentage of Greater Baltimore service area residents who have ever been told that they have asthma is less compared to Maryland and the Nation. However, the percentage of residents who still have asthma (75.5%) is notably higher compared to Maryland (61.9%) and the Nation (66.9%).

### ❖ Oral Health

- The percentage of residents who have had their teeth cleaned within the past year (72.5%) is less compared to Maryland (74.5%).

### ❖ Tobacco & Alcohol Use

- The percentage of Greater Baltimore service area residents who are currently smokers (17.1%) is higher compared to Maryland (13.7%) and the Nation (14.3%).
- Although the percentage of Greater Baltimore service area residents who are binge drinkers is favorable compared to Maryland and the Nation, the percentage of chronic drinkers (7.4%) is higher in comparison (6.2% and 6.6% respectively).

### ❖ Weight Management

- The percentage of Greater Baltimore service area residents who are obese (30.7%) is higher compared to Maryland (28.3%) and the Nation (27.4%).
- The percentage of Greater Baltimore service area residents who met both guidelines for aerobics and strengthening is lower (17.6%) compared to Maryland (19.8%) and the Nation (20.4%).

## *Areas of Difference*

### ❖ **Population Statistics**

- The Greater Baltimore service area experienced a 7.3% population change between the years 2000 and 2010. This is in comparison to Maryland and the Nation, which experienced a population change of 9.0% and 9.7% respectively.
- The Greater Baltimore service area has a slightly older population with 15.0% being 65 years and over. In comparison, 12.3% of the Maryland population and 13.0% of the National population is 65 years and over.
- The White and Black/African American population proportions of the Greater Baltimore service area fall between those of Maryland and the Nation. However, the Hispanic/Latino population proportion (4.7%) is notably less compared to Maryland (8.2%) and the Nation (16.3%).
- 86.4% of Greater Baltimore service area residents speak English only. This is in comparison to Maryland (84.1%) and the Nation (79.9%).

### ❖ **Household Statistics**

- 41.6% of households in the Greater Baltimore service area are family households. This is in comparison to Maryland (67.1%) and the Nation (66.4%).
- The proportion of individuals 15 years and over who are married is slightly less in the Greater Baltimore service area (45.1%) compared to Maryland (48.6%) and the Nation (50.2%).

## VI. References

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