Community Health Needs Assessment

2019 | SECONDARY DATA PROFILE

GBMC

SUBMITTED BY

HOLLERAN
COMMUNITY ENGAGEMENT RESEARCH & CONSULTING

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I. Background

Greater Baltimore Medical Center is spearheading a comprehensive assessment of the health needs of individuals living in Baltimore County in Maryland. The aim of the assessment is to reinforce Greater Baltimore Medical Center's commitment to the health of residents and to align its health prevention efforts with the community's greatest needs.

The data contained in this report is a compilation of existing demographic and health data also known as "secondary data." The data was gathered and integrated into the report by Holleran, an independent research firm located in Wrightsville, Pennsylvania. The specific data sources are listed throughout the report. It should be noted that in some cases, local-level data may be limited or dated. This is an inherent limitation with secondary data. The most recent data is used whenever possible. When available, state and national comparisons were also provided as benchmarks for the regional statistics. National comparisons include United States data and Healthy People 2020 (HP 2020) goals when available.

It is also important to note that social determinants such as income and education can significantly impact health status, health behaviors, and health outcomes. Research has shown that lower educational attainment, poverty, and race/ethnicity are risk factors for certain health conditions. For this reason, local demographic information is included in the report for reference.

A conclusions section is included at the end of the report to highlight strengths, opportunities, and differences for Baltimore County. State and national comparative data is generally what determines if an indicator is a strength or opportunity within the community. However, it is still important for readers to interpret the county data and make appropriate conclusions independent of the state and national comparisons.

The secondary data profile is one component to the research. Greater Baltimore Medical Center will use the data from the secondary data profile in conjunction with other research components to understand health needs and prioritize community health endeavors.

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II. Reading the Results

Demographic and health indicator statistics have been collated to portray the current health status of Baltimore County. For all of the statistics provided, the most recently published data at the county level are utilized. For example, if 2012 data are available at the national and state levels, but only 2010 data are available at the county level, 2010 data are utilized at all levels unless otherwise indicated.

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.

Low Birth Weight – Indicates a birth weight less than 5 pounds, 3 ounces (2,500 grams).

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.

Poverty Guidelines - A version of the federal poverty measure issued each year in the _Federal Register_ by the Department of Health & Human Services. The guidelines are a simplification of the poverty thresholds used for administrative purposes (i.e. determining eligibility for certain federal programs).

Very Low Birth Weight - Indicates a birth weight less than 3 pounds, 5 ounces (1,500 grams).

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III. Demographic Statistics

A. Population Statistics

Table A1. Overall Population (2010; 2012 - 2016)

	U.S.	Maryland	Baltimore County
Population (2012 - 2016)	318,558,162	5,959,902	825,666
Population Change from 2010	3.2%	3.2%	2.6%
Male population	49.2%	48.4%	47.4%
Female population	50.8%	51.6%	52.6%

Source: U.S. Census Bureau

Table A2. Population by Age (2012 - 2016)

	U.S.	Maryland	Baltimore County
Under 5 years	6.2%	6.2%	5.9%
5 to 14 years	12.9%	12.6%	12.0%
15 to 24 years	13.8%	13.3%	13.1%
25 to 44 years	26.4%	26.7%	26.0%
45 to 59 years	20.3%	21.6%	20.8%
60 to 74 years	14.2%	13.9%	14.7%
75 to 84 years	4.3%	4.0%	4.8%
85 years and over	1.9%	1.8%	2.6%
Median Age (Years)	**37.7**	**38.3**	**39.1**

Source: U.S. Census Bureau

Figure A1. Median age (2012 – 2016)

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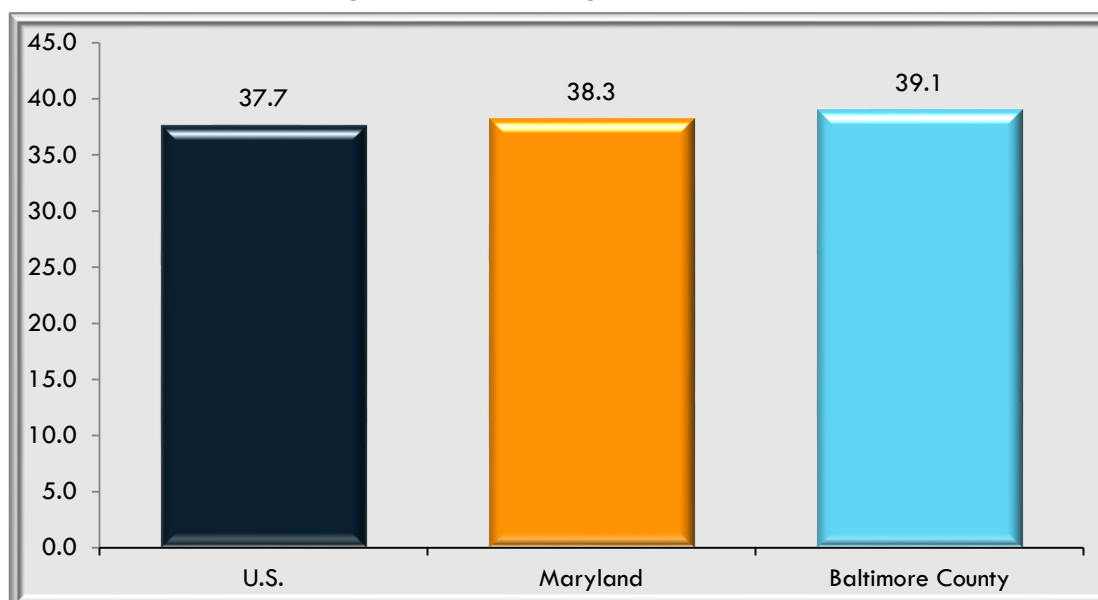
Table A3. Race Alone or in Combination with One or More Other Races (2012 - 2016)

	U.S.	Maryland	Baltimore County
White	76.0%	59.7%	65.0%
Black/African American	13.8%	31.4%	29.0%
American Indian/Alaska Native	1.7%	1.0%	0.9%
Asian or Pacific Islander	6.2%	7.1%	6.6%
Native Hawaiian and Pacific Islander	0.4%	0.2%	0.1%
Some Other Race	5.3%	4.1%	1.2%
Hispanic or Latino *(of any race)*[a]	17.3%	9.2%	4.9%

Source: U.S. Census Bureau

[a] Hispanic/Latino residents can be of any race, for example, White Hispanic or Black/African American Hispanic

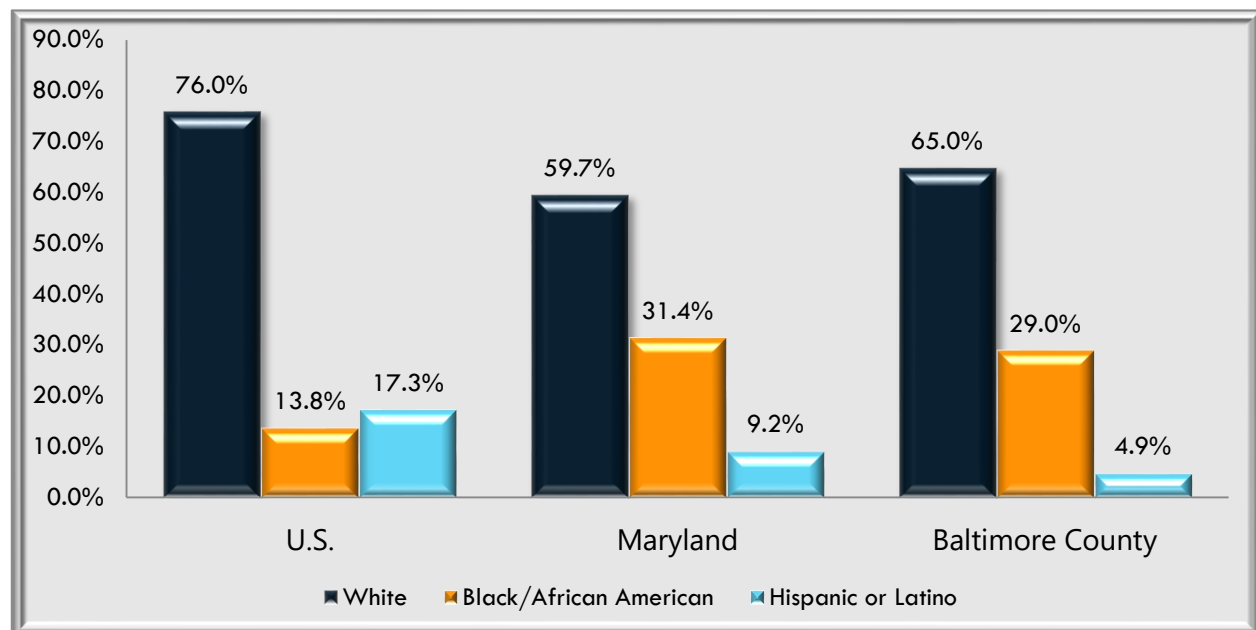Figure A2. Racial breakdown of the three major races (2012 – 2016)

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Table A4. Language Spoken at Home, 5 Years Old and Older (2012 – 2016)

	U.S.	Maryland	Baltimore County
English only	78.9%	82.4%	86.1%
Language other than English	21.1%	17.6%	13.9%
Speak English less than "very well"	8.5%	6.5%	5.1%
Spanish	13.1%	7.5%	4.0%
Speak English less than "very well"	5.4%	3.3%	1.7%
Other Indo-European languages	3.6%	4.4%	4.8%
Speak English less than "very well"	1.1%	1.2%	1.5%
Asian and Pacific Islander languages	3.4%	3.7%	3.0%
Speak English less than "very well"	1.6%	1.5%	1.3%
Other languages	1.0%	2.1%	2.0%
Speak English less than "very well"	0.3%	0.5%	0.5%

Source: U.S. Census Bureau

Figure A3. Percentage of population speaking a language other than English at home (2012 – 2016)
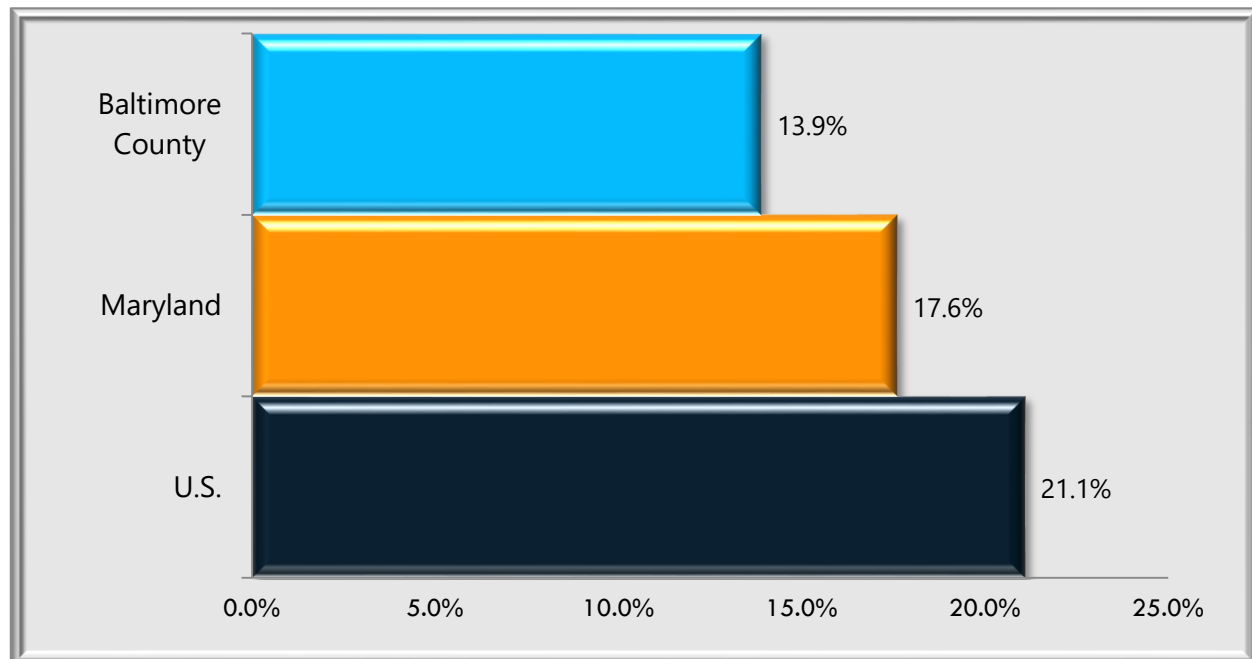
B. Household Statistics

Table B1. Marital Status, 15 Years and Over (2012 – 2016)

	U.S.	Maryland	Baltimore County
Never married	33.0%	35.1%	34.1%
Now married, except separated	48.1%	46.9%	46.2%
Separated	2.1%	2.4%	2.4%
Widowed	5.9%	5.7%	7.1%
Divorced	11.0%	10.0%	10.2%

Source: U.S. Census Bureau

Table B2. Grandparents Responsible for Grandchildren (2012 – 2016)

	U.S.	Maryland	Baltimore County
Number of grandparents living with own grandchildren under 18 years	7,243,142	145,209	19,739
% of grandparents responsible for grandchildren	36.5%	32.3%	38.4%

Source: U.S. Census Bureau

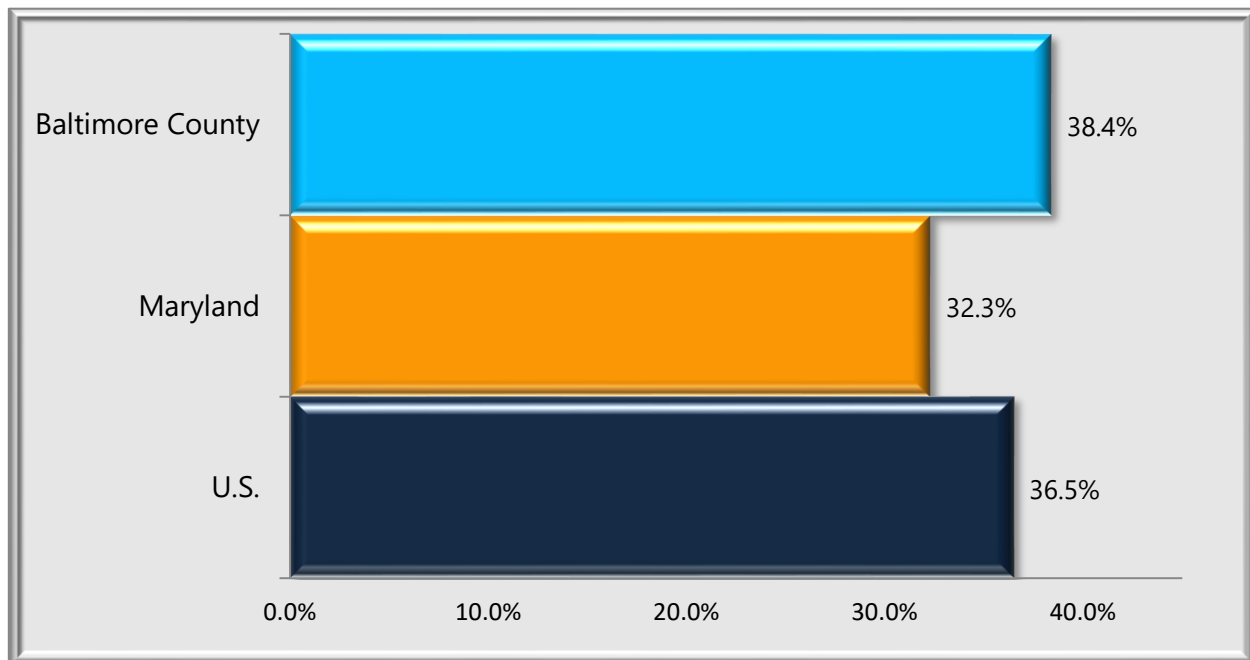Figure B1. Percentage of grandparents responsible for grandchildren (2012 - 2016)

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Table B3. Households by Occupancy (2012 – 2016)

	U.S.	Maryland	Baltimore County
Total housing units	134,054,899	2,421,909	337,031
Occupied housing units	87.8%	89.9%	92.8%
Owner-occupied	63.6%	66.5%	65.8%
Renter-occupied	36.4%	33.5%	34.2%
Vacant units	12.2%	10.1%	7.2%

Source: U.S. Census Bureau

Table B4. Housing Characteristics (2012 – 2016)

	U.S.	Maryland	Baltimore County
Owner-Occupied Housing			
Owner-occupied units	74,881,068	1,447,783	205,922
Housing units with a mortgage	64.1%	74.2%	69.5%
Housing units without a mortgage	35.9%	25.8%	30.5%
Median value	**$184,700**	**$290,400**	**$246,900**
Households spending 30% or more of income on mortgage/Owner costs	**30.8%**	**31.0%**	**29.1%**
Renter-Occupied Housing			
Occupied units paying rent	40,589,851	702,031	102,777
Median dollars	**$949**	**$1,264**	**$1,193**
Households spending 30% or more of income on rent	**51.1%**	**50.5%**	**49.0%**

Source: U.S. Census Bureau

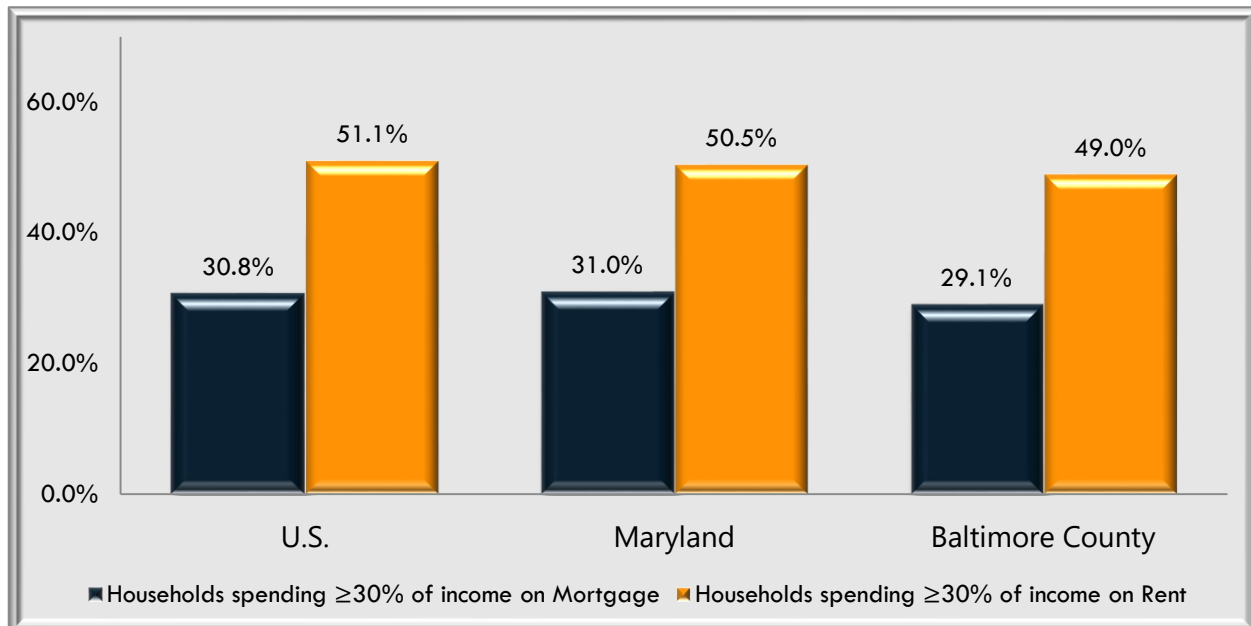Figure B2. Households spending more than 30% of income on housing (2012 – 2016)

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Table B5. Households by Type (2012 – 2016)

	U.S.	Maryland	Baltimore County
Total households	117,716,237	2,177,492	312,826
Average household size	2.64	2.67	2.57
Average family size	3.24	3.26	3.18
Family households	65.9%	66.9%	65.2%
Male householder, no wife	4.8%	4.9%	4.7%
Female householder, no husband	12.9%	14.3%	14.4%
Married-couple families	48.2%	47.7%	46.1%
Nonfamily households	34.1%	33.1%	34.8%
Householder living alone	27.7%	27.0%	28.6%
65 years and over	10.4%	9.8%	11.8%

Source: U.S. Census Bureau

Figure B3. Householder living alone, 65 years and over (2012 – 2016)

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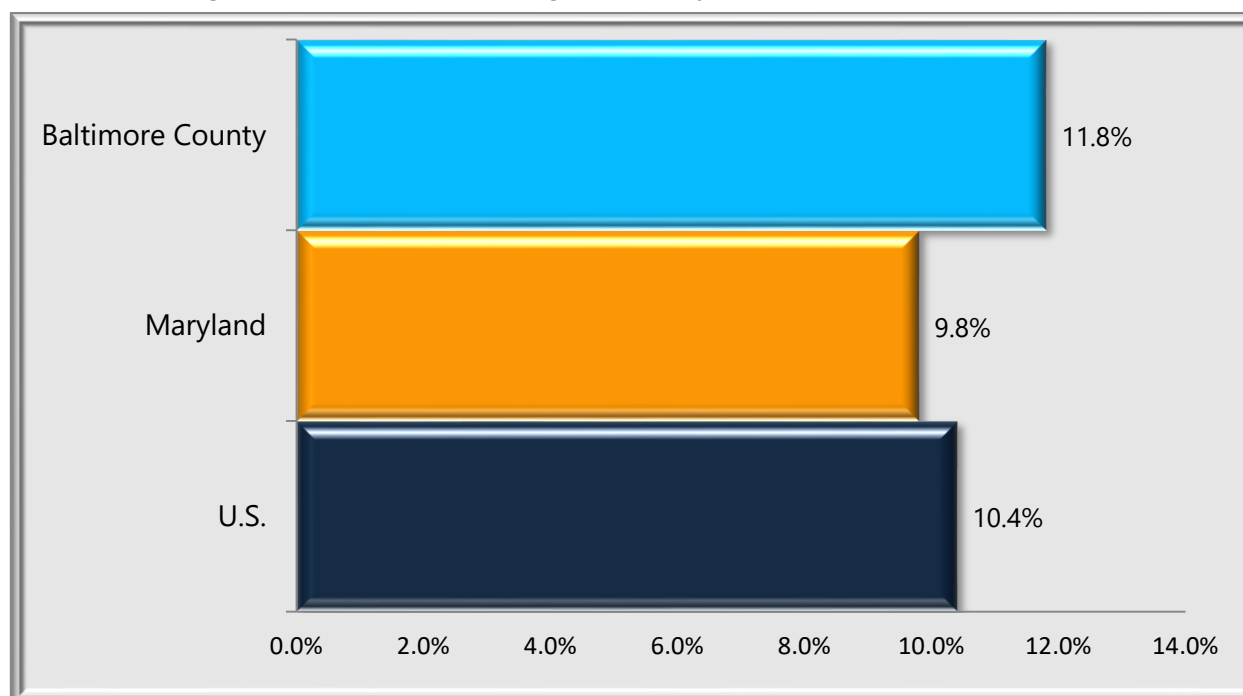
C. Income Statistics

Table C1. Household and Family Income (2012 – 2016)

	U.S.	Maryland	Baltimore County
Household Income			
Less than $15,000	12.1%	8.3%	7.9%
$15,000 to $24,999	10.2%	6.6%	7.1%
$25,000 to $34,999	9.9%	7.1%	8.0%
$35,000 to $49,999	13.2%	10.5%	12.0%
$50,000 to $74,999	17.8%	16.9%	19.1%
$75,000 to $99,999	12.2%	13.3%	13.8%
$100,000 to $ 149,999	13.5%	18.4%	17.6%
$150,000 or more	11.1%	18.9%	14.6%
Median household income	**$55,322**	**$76,067**	**$68,989**
Mean household income	**$77,866**	**$100,071**	**$91,300**
Family Income			
Median family income	$67,871	$92,049	$85,115
Mean family income	$90,960	$116,461	$108,053
Individual Median Earnings			
Median earnings for workers	$31,334	$40,893	$40,562
Male full-time, year-round workers	$50,135	$60,651	$56,727
Female full-time, year-round workers	$39,923	$51,127	$49,025

Source: U.S. Census Bureau
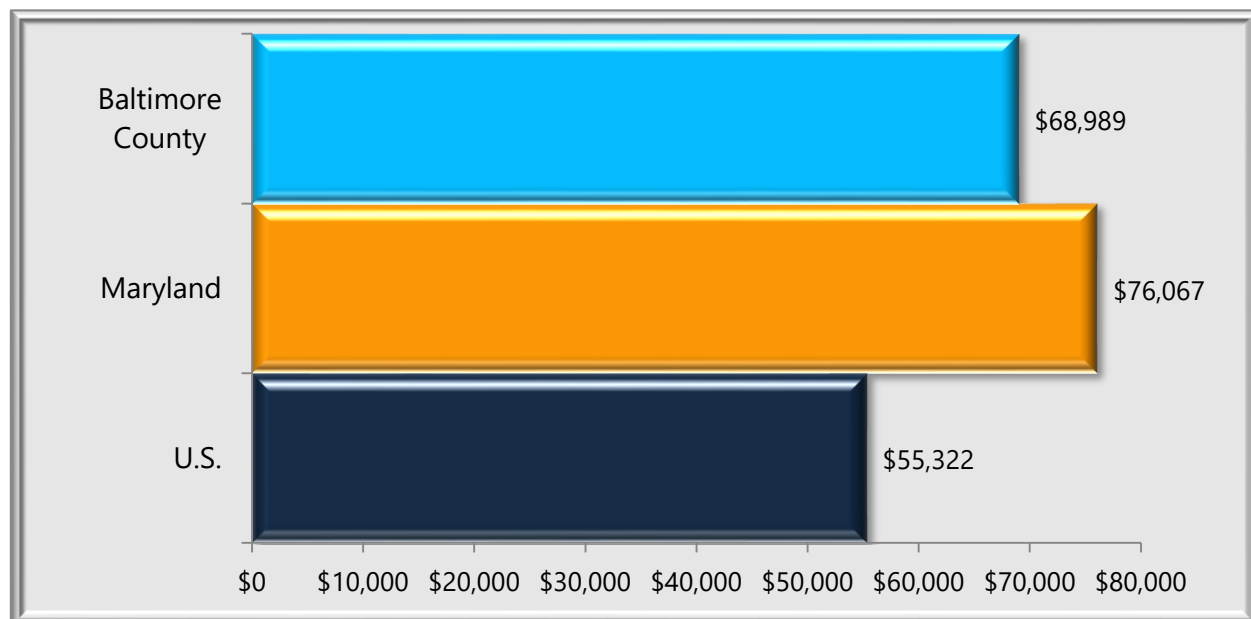
Figure C1. Median household income (2012 – 2016)

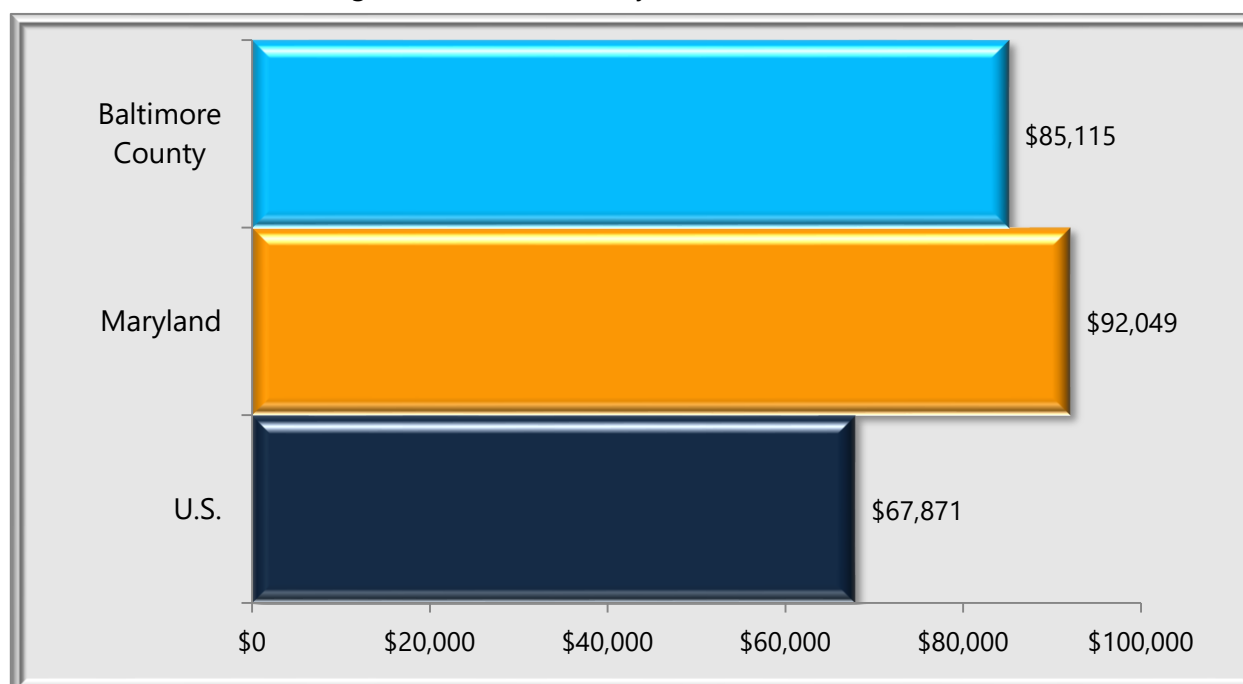HOLLERAN

Figure C2. Median family income (2012 – 2016)

Baltimore County $85,115
Maryland $92,049
U.S. $67,871

Table C2. Poverty Status of Families and People in the Past 12 Months (2012 – 2016)

	U.S.	Maryland	Baltimore County
All families	11.0%	6.8%	6.1%
With related children under 18 years	17.4%	10.6%	9.8%
With related children under 5 years	17.2%	10.2%	9.9%
Married couple families	5.5%	2.9%	2.9%
With related children under 18 years	7.9%	3.6%	3.8%
With related children under 5 years	6.3%	3.0%	4.0%
Female-headed households, no husband present	29.9%	18.9%	15.7%
With related children under 18 years	39.7%	26.3%	23.0%
With related children under 5 years	45.0%	29.9%	28.0%
All people	15.1%	9.9%	9.3%
Under 18 years	21.2%	13.3%	12.0%
18 years to 64 years	14.2%	9.2%	8.9%
65 years and over	9.3%	7.7%	7.2%

Source: U.S. Census Bureau

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Figure C3. Percentage of families below the poverty level by household type (2012 – 2016)
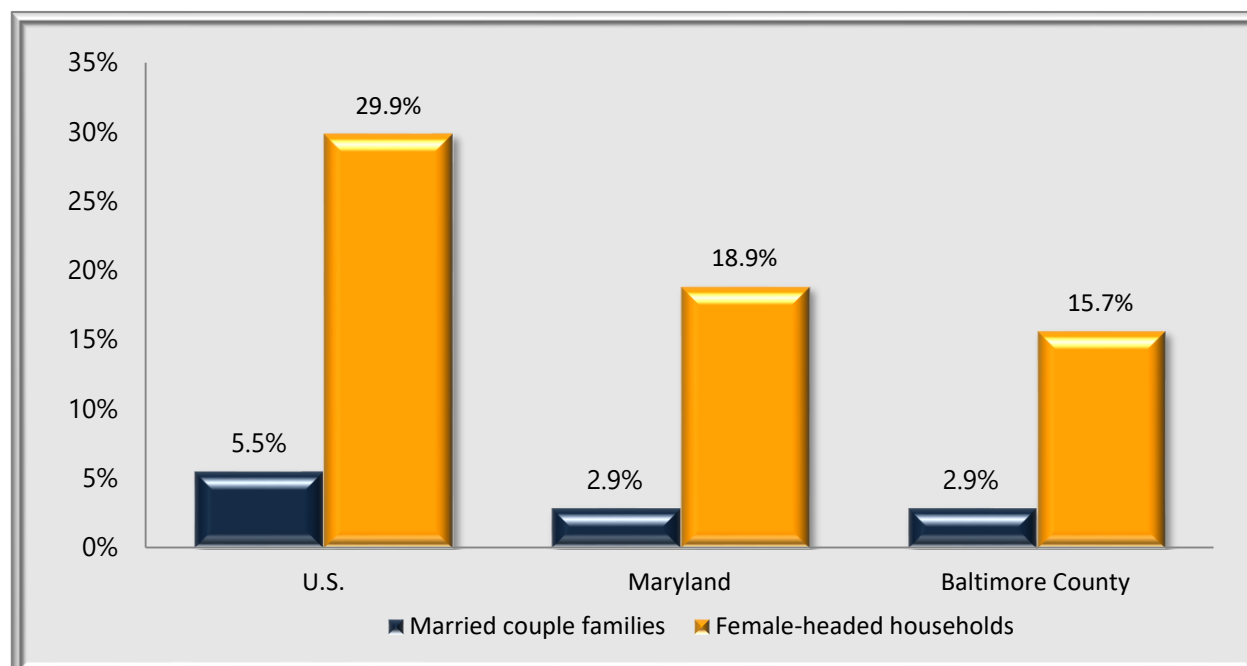
Table C3. 2017 Health and Human Services Poverty Guidelines

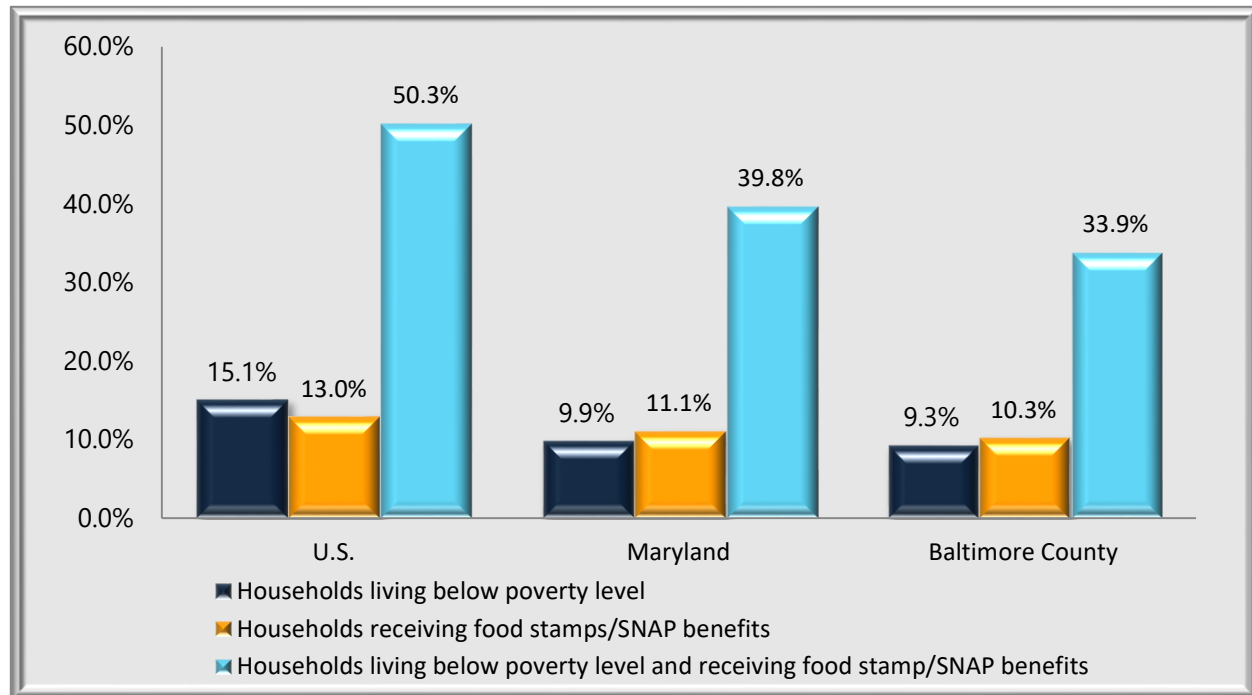| Size of Family Unit	48 Contiguous States and D.C.
1	$12,060
2	$16,240
3	$20,420
4	$24,600
5	$28,780
6	$32,960
7	$37,140
8	$41,320
For each additional person, add:	$4,180

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

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Table C4. Households with Supplemental Benefits in the Past 12 Months (2012 – 2016)

	U.S.	Maryland	Baltimore County
Population below poverty level	15.1%	9.9%	9.3%
Households with supplemental security income	5.4%	4.4%	4.7%
Mean supplemental security income	$9,523	$9,682	$10,226
Households with cash public assistance income	2.7%	2.5%	2.4%
Mean cash public assistance income	$3,336	$3,553	$3,928
Households with food stamps/SNAP benefits in the past 12 months	13.0%	11.1%	10.3%
Households below poverty level and receiving food stamps	50.3%	39.8%	33.9%
Households with one or more people 60 years and over receiving food stamps	29.2%	31.1%	32.2%
Households with children under 18 years receiving food stamps	53.0%	52.6%	54.5%

Source: U.S. Census Bureau

Figure C4. Households below poverty level and receiving food stamps (2012 – 2016)

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Map C1. Students Eligible for Free or Reduced-Price Lunch,
Baltimore County

Source: Community Commons

D. Employment Statistics

Table D1. Employment Status, 16 Years Old and Older (2012 – 2016; 2017)

	U.S.	Maryland	Baltimore County
Population in labor force	160,818,740	3,249,911	444,124
% of population in labor force	63.5%	68.2%	66.5%
Civilian labor force	63.1%	67.6%	66.4%
Armed Forces	0.4%	0.6%	0.1%
% of population not in labor force	36.5%	31.8%	33.5%
Unemployed civilian labor force (2017 Average)	**4.4%**	**4.1%**	**4.3%**

Sources: Bureau of Labor Statistics & U.S. Census Bureau
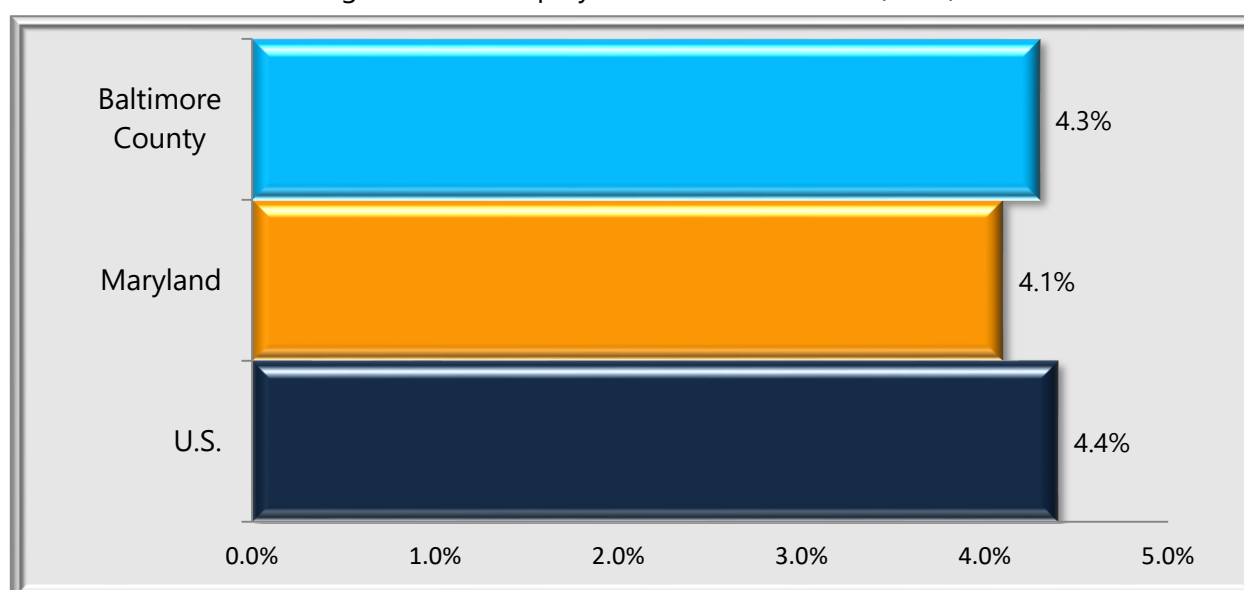
Figure D1. Unemployed civilian labor force (2017)

Table D2. Commuting To Work Status (2012 - 2016)

	U.S.	Maryland	Baltimore County
Workers who drive alone to work	76.4%	73.7%	79.4%
Car, truck, or van -- carpooled	9.3%	9.3%	8.8%
Workers commuting by public transportation (excluding taxicab)	5.1%	8.9%	4.7%
Walked	2.8%	2.4%	1.9%
Other means	1.8%	1.3%	1.4%
Worked at home	4.6%	4.4%	3.8%
Mean travel time to work (minutes)	**26.1**	**32.4**	**29.3**

Source: U.S. Census Bureau

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Table D3. Estimated Major Occupational Groups (2012 - 2016)

	U.S.	Maryland	Baltimore County
Management, business, science, and arts	37.0%	44.9%	43.4%
Service	18.1%	17.1%	16.7%
Sales and office	23.8%	22.2%	24.3%
Natural resources, construction, and maintenance	8.9%	7.8%	7.0%
Production, transportation, and material moving	12.2%	7.9%	8.5%

Source: U.S. Census Bureau

Table D4. Class of Worker (2012 - 2016)

	U.S.	Maryland	Baltimore County
Private wage and salary workers	79.8%	73.2%	77.3%
Government workers	14.0%	22.0%	17.9%
Self-employed workers in own, not incorporated, business	6.0%	4.7%	4.7%
Unpaid family workers	0.2%	0.1%	0.2%

Source: U.S. Census Bureau

Table D5. Estimated Major Industrial Group Percentages (2012 - 2016)

	U.S.	Maryland	Baltimore County
Agriculture, forestry, fishing, hunting, mining	1.9%	0.5%	0.3%
Construction	6.3%	6.7%	5.8%
Manufacturing	10.3%	4.6%	5.4%
Wholesale trade	2.7%	1.9%	2.3%
Retail trade	11.5%	9.8%	10.6%
Transportation and warehousing, and utilities	5.0%	4.4%	4.7%
Information	2.1%	2.1%	1.8%
Finance, insurance, real estate, rental and leasing	6.6%	6.2%	7.8%
Professional, scientific, management, administrative and waste management services	11.2%	15.4%	12.7%
Educational services, health care, social assistance	23.1%	23.8%	27.7%
Arts, entertainment, recreation, accommodation, and food services	9.7%	8.4%	8.2%
Other services, except public administration	4.9%	5.4%	4.8%
Public administration	4.7%	11.0%	7.9%

Source: U.S. Census Bureau

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E. Education Statistics

Table E1. Educational Attainment, Population 25 Years and Over (2012 – 2016)

	U.S.	Maryland	Baltimore County
Less than high school diploma	13.0%	10.4%	9.0%
High school graduate (includes equivalency)	27.5%	25.4%	27.2%
Some college, no degree	21.0%	19.4%	19.5%
Associate's degree	8.2%	6.4%	7.0%
Bachelor's degree	18.8%	20.7%	21.4%
Graduate or professional degree	11.5%	17.7%	15.8%
Percent high school graduate or higher	**87.0%**	**89.6%**	**91.0%**
Percent bachelor's degree or higher	**30.3%**	**38.4%**	**37.2%**

Source: U.S. Census Bureau

Figure E1. Population with a high school diploma or bachelor's degree or higher (2012 – 2016)

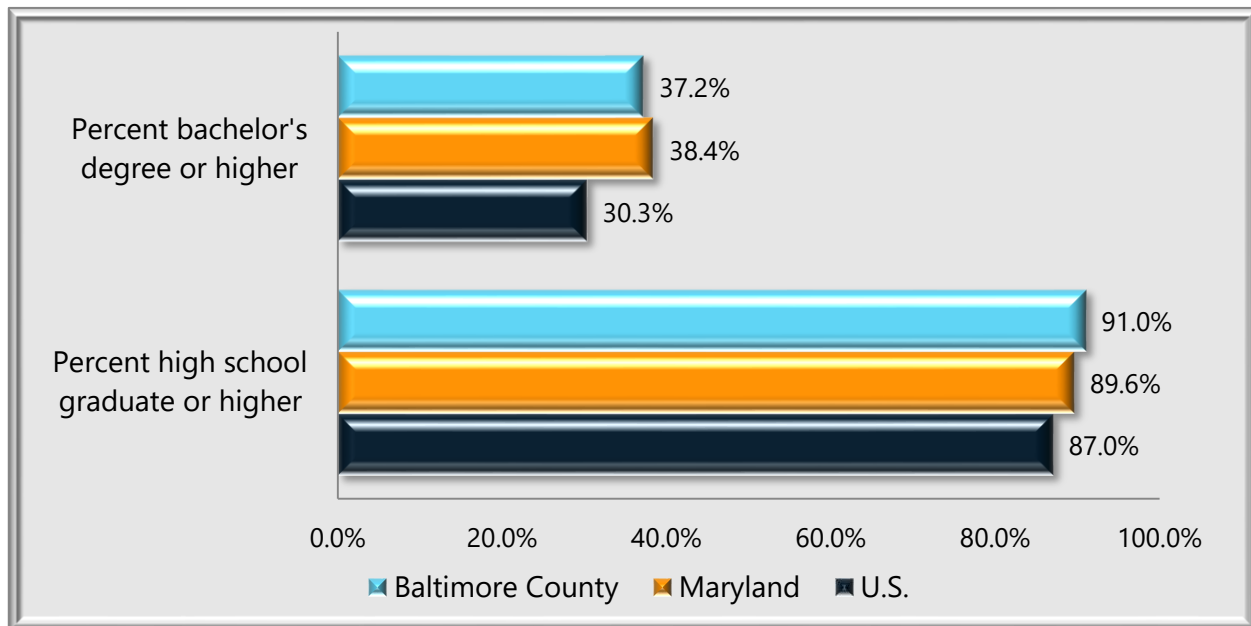Table E2. Public School Enrollment, Population Three Years and Over (2012 – 2016)

	U.S.	Maryland	Baltimore County
Nursery school, preschool	6.0%	6.3%	6.4%
Kindergarten	5.1%	5.0%	4.7%
Elementary school (grades 1- 8)	40.0%	37.4%	36.3%
High school (grades 9 -12)	20.7%	19.9%	18.7%
College, undergraduate	28.2%	31.3%	33.9%

Source: U.S. Census Bureau

IV. Health Statistics

F. Health Care Access Statistics

Table F1. Health Insurance Coverage (2012 – 2016)

	U.S.	Maryland	Baltimore County
With health insurance coverage	276,875,891	5,389,007	757,187
% of population with health insurance coverage	88.3%	91.9%	92.6%
With private health insurance	66.7%	74.1%	75.2%
With public coverage	33.0%	29.8%	30.4%
% of population without health insurance	11.7%	8.1%	7.4%

Source: U.S. Census Bureau

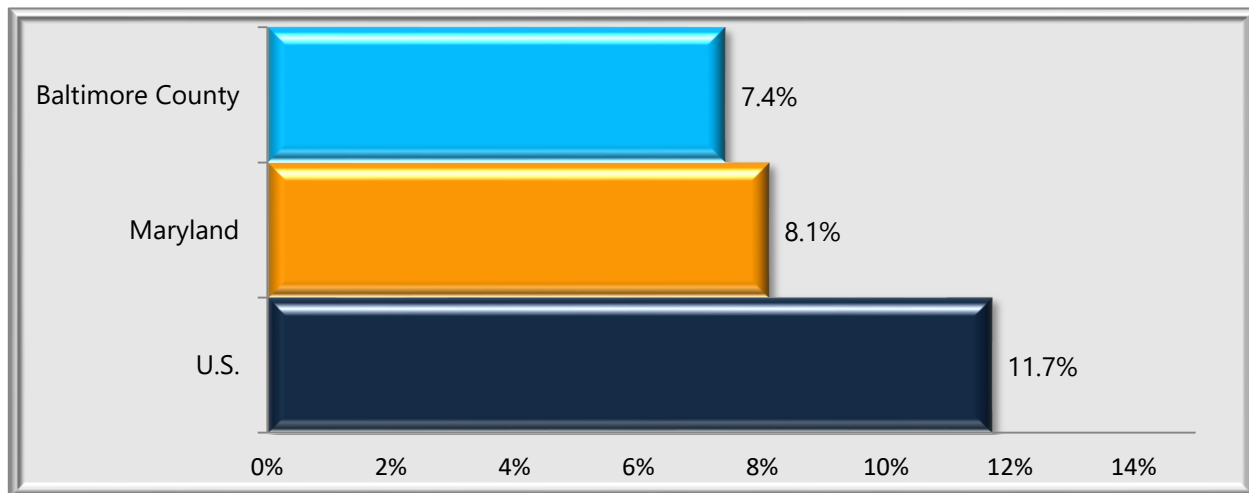Figure F1. Civilian non-institutionalized population without health insurance (2012 – 2016)

Table F2. Health Care Access (2015)

	U.S	Maryland	Baltimore County
Could not afford to see a doctor in the past 12 months	12.1%	10.8%	12.3%
Visited a doctor for a routine checkup within the past year	70.2%	76.2%	78.1%

Sources: Centers for Disease Control and Prevention & Maryland Behavioral Risk Factor Surveillance System

Table F3. Medically Underserved Areas (MUA), Baltimore County (2018)

	Designation Type	Index of Medical Underservice Score*	Rural Status
Middle River	MUA	61.9	Non-Rural
Landsdown/Highlands	MUA	61.4	Non-Rural

Source: Health Resources and Services Administration

*To qualify for a designation, the IMU score must be less than or equal to 62.0.

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G. Mortality Statistics

Table G1. Crude Death Rates per 100,000 (2016)

	U.S.	Maryland	Baltimore County
Number of Deaths	2,744,248	48,884	8,436
Overall Death Rate	**849.3**	**812.5**	**1015.1**
Death Rate by Race			
White	919.3	1027.7	1331.2
Black	732.3	765.7	695.9
Hispanic or Latino	327.6	177.2	170.5

Sources: Centers for Disease Control and Prevention & Maryland Department of Health
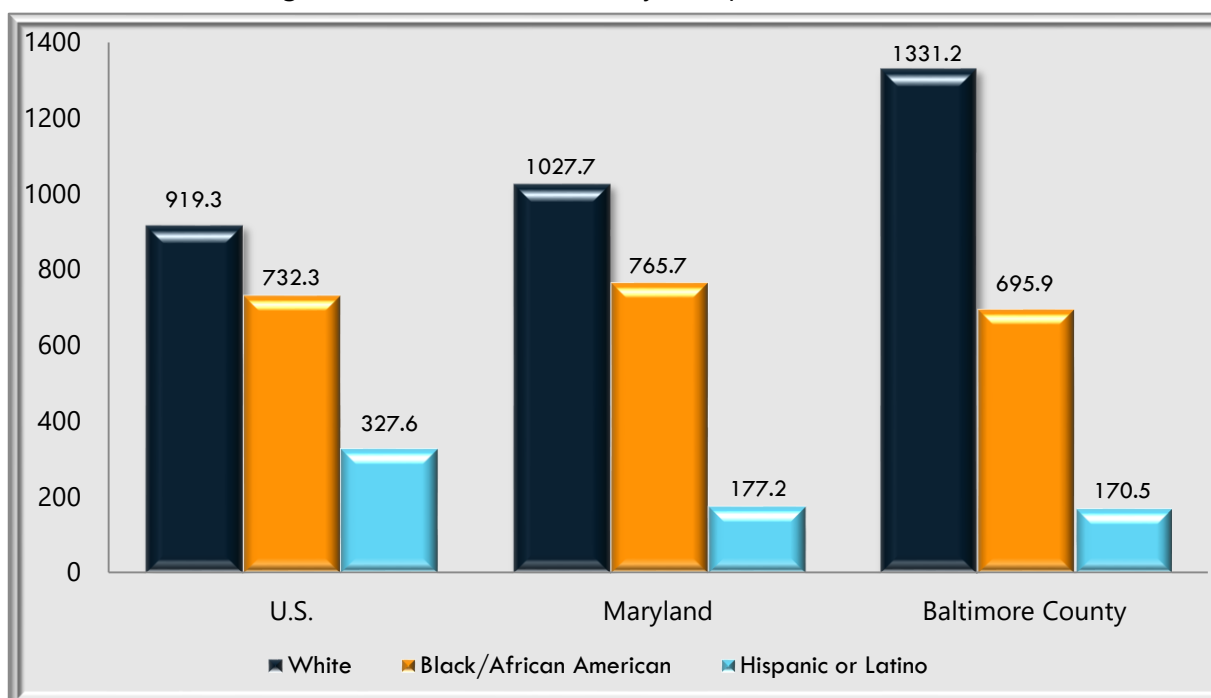
Figure G1. Crude death rate by race per 100,000 (2016)

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Table G2. Crude Death Rates by Selected Causes, All Ages per 100,000 (2016)

	U.S.	Maryland	Baltimore County
Diseases of heart	196.6	189.6	238.6
Malignant neoplasms (Cancer)	185.1	181.5	223.8
Accidents	49.9	37.9	46.2
Chronic lower respiratory disease	47.8	34.5	42.8
Cerebrovascular diseases (Stroke)	44.0	45.0	64.4
Alzheimer's Disease	35.9	19.6	25.1
Diabetes mellitus	24.8	22.6	26.7
Influenza and pneumonia	15.9	17.0	21.7
Nephritis, nephrotic syndrome and nephrosis	15.5	13.7	15.2
Suicide	13.9	9.7	10.8

Sources: Centers for Disease Control and Prevention & Maryland Department of Health

Figure G2. Crude death rates for the top five leading causes of death per 100,000 (2016)

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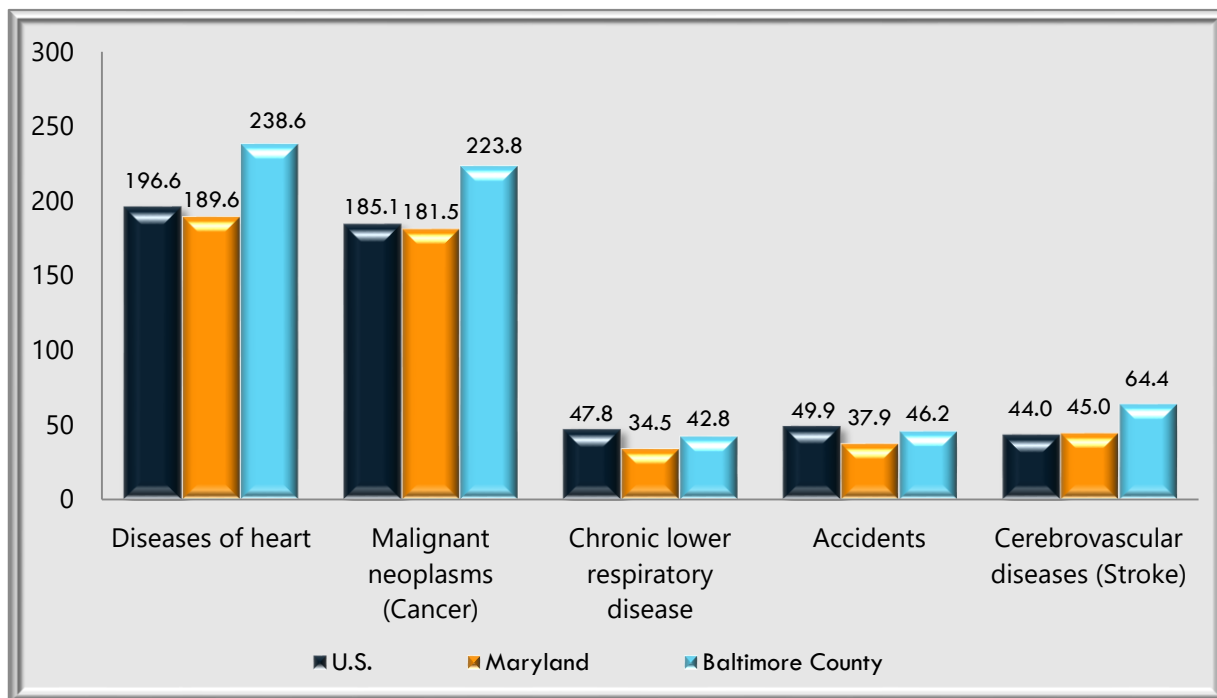
H. Maternal & Child Health Statistics

Table H1. Live Birth Rate per 1,000 by Age of the Mother (2016)

	U.S.	Maryland	Baltimore County
Number of live births	3,945,875	73,073	9,797
Birth Rate	**12.2**	**12.1**	**11.8**
15-19	20.3	15.9	12.7
20-24	73.8	59.7	55.4
25-29	102.1	95.1	92.0
30-34	102.7	109.0	108.9
35-39	52.7	63.2	58.8
40-44	11.4	14.1	13.2
45-49	0.9	1.0	0.9

Source: Maryland Department of Health & Centers for Disease Control and Prevention

Figure H1. Live birth rate per 1,000 for mothers 15-19 years of age (2016)
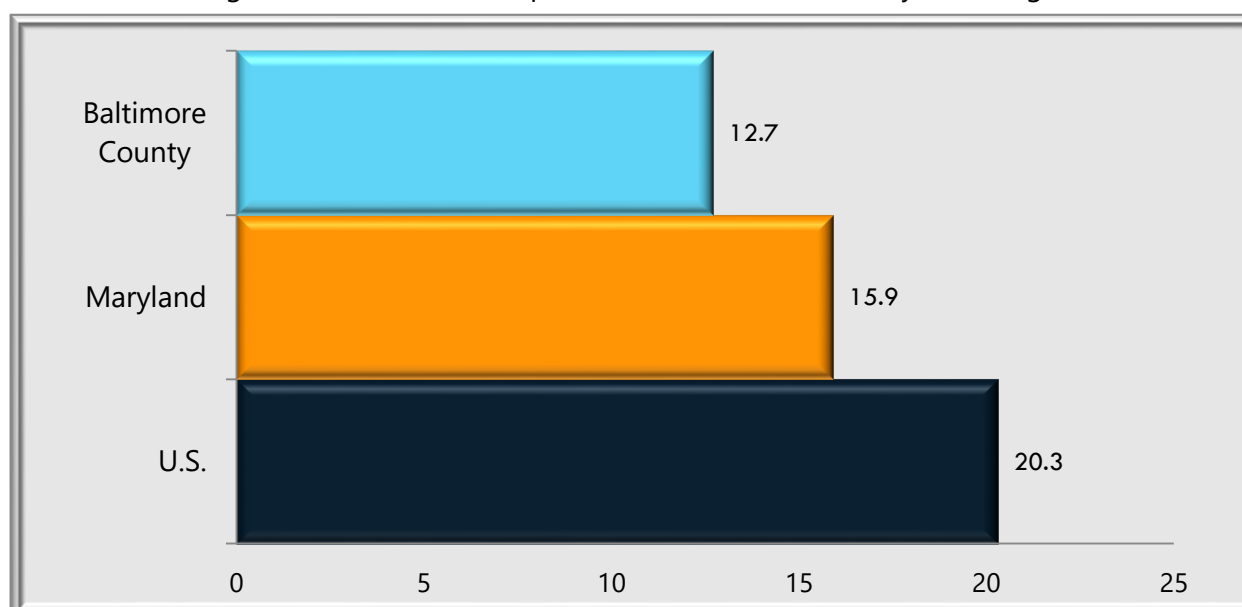

Table H2. Low Birth Weight and Very Low Birth Weight Births (2016)

	HP 2020	U.S.	Maryland	Baltimore County
Low birth weight	7.8%	8.2%	8.6%	8.8%
Very low birth weight	1.4%	1.4%	1.7%	1.8%

Sources: Maryland Department of Health, Centers for Disease Control and Prevention & Healthy People 2020

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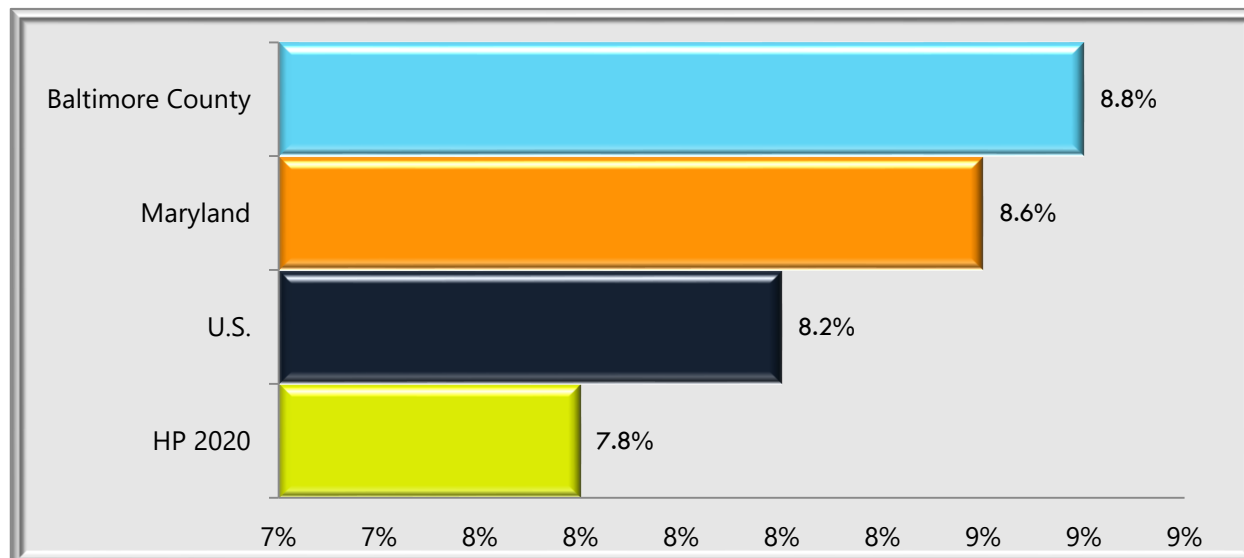Figure H2. Percentage of infants with low birthweight (2016)

Table H3. Infant Mortality Rate per 1,000 Live Births (2016)

	HP 2020	U.S.	Maryland	Baltimore County
Infant	6.0	5.9	6.5	5.9
Neonatal	4.1	3.9	4.7	4.4
Post-neonatal	2.0	2.0	1.9	1.5

Sources: Centers for Disease Control and Prevention, Maryland Department of Health & Healthy People 2020

Figure H3. Infant mortality rate per 1,000 live births (2016)

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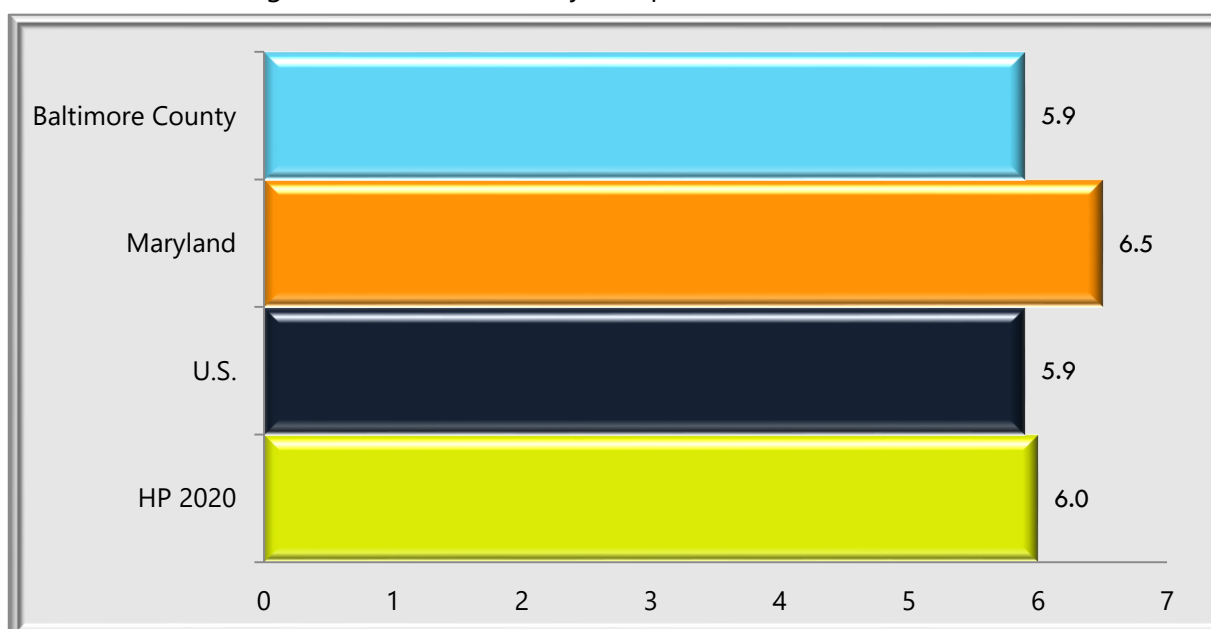
I. Communicable Diseases Statistics

Table I1. Sexually Transmitted Illness Incidence Rates per 100,000 (2017)

	U.S.*	Maryland	Baltimore County
Chlamydia	497.3	552.1	538.2
Gonorrhea	145.8	181.4	186.1
Syphilis (primary and secondary)	8.7	9.5	8.9

Sources: Centers for Disease Control and Prevention & Maryland Department of Health
*Most recent data available is 2016 for U.S.
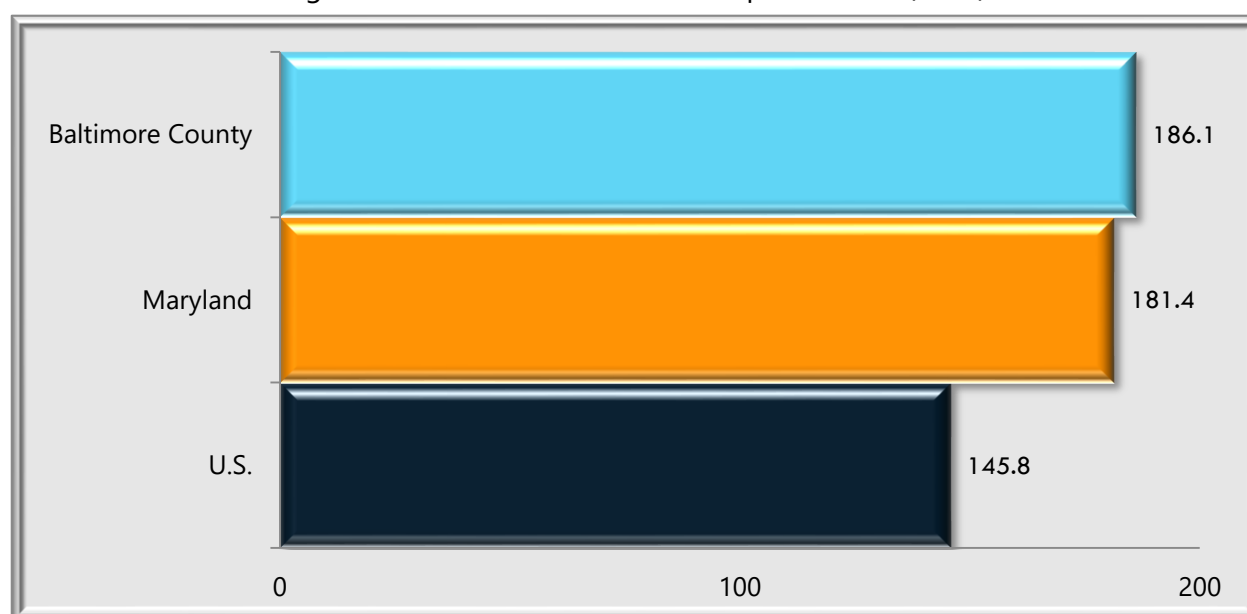
Figure I1. Gonorrhea incidence rate per 100,000 (2017)

Table I2. HIV/AIDS and Tuberculosis Incidence Rates per 100,000 (2015; 2016; 2017)

	U.S.	Maryland	Baltimore County
HIV (new infections) (2015; 2016)	14.4*	26.5	19.0
Tuberculosis (2016; 2017)	2.9**	3.4	3.4

Sources: Centers for Disease Control and Prevention & Maryland Department of Health
 *Most recent data available is 2015 for U.S.
**Most recent data available is 2016 for U.S.

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J. Behavioral Health Statistics

Table J1. Crude Death Rate Due to Suicide per 100,000 (2016)

	U.S.	Maryland	Baltimore County
Total suicide	13.9	9.7	10.8

Sources: Centers for Disease Control and Prevention, Maryland Department of Health & Healthy People 2020

Table J2. Anxiety and Depression (2015)

	U.S	Maryland	Baltimore County
Ever been told by a doctor or other health professional that you had:			
Anxiety disorder	N/A	13.5%	16.7%
Depressive disorder	19.0%	16.3%	19.8%

Sources: Centers for Disease Control and Prevention & Maryland Behavioral Risk Factor Surveillance
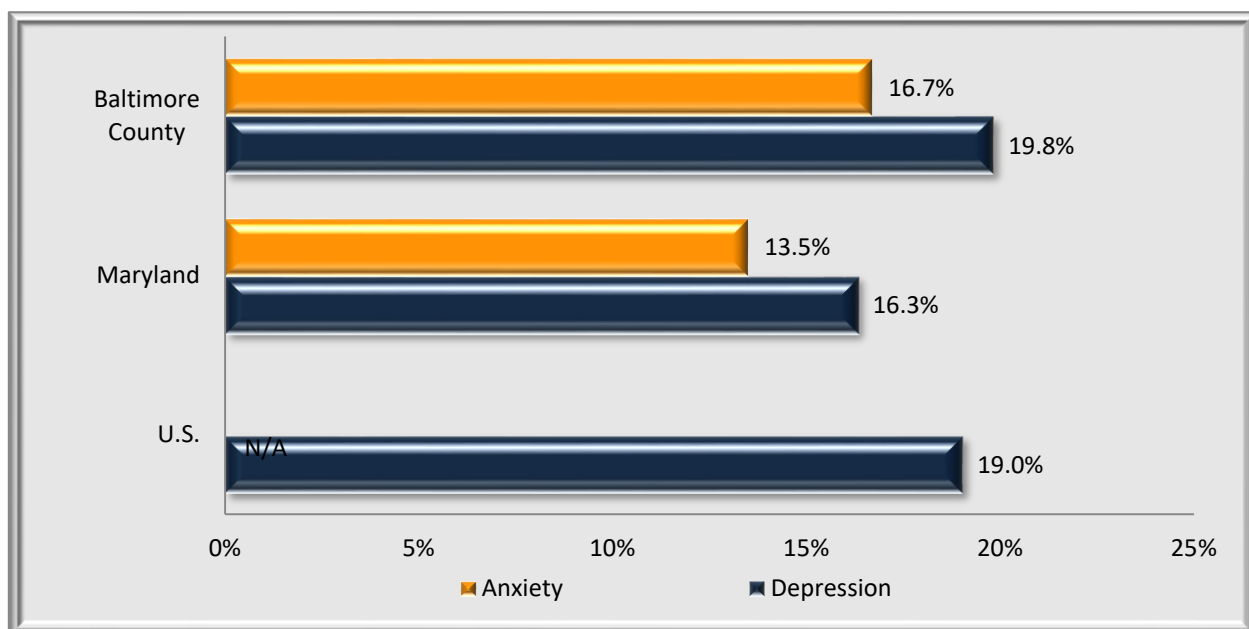
Figure J1. Anxiety and Depression (2015)

Table J3. Intoxication Deaths^ by Place of Occurrence (2016)

	Maryland	Baltimore County
Total intoxication deaths	2,089	336
Number of heroin-related deaths	1,212	208
Number of prescription-opioid-related deaths	418	67

Source: Maryland Department of Health

^Death that was a result of recent ingestion or exposure to alcohol or another type of drug

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Table J4. Alcohol and Tobacco (2015)

	U.S	Maryland	Baltimore County
Alcohol Use			
Binge drinker [a]	16.3%	14.2%	12.9%
Chronic drinker [b]	5.9%	4.9%	5.0%
Tobacco Use			
Current smoker	17.1%	15.1%	12.8%
Former smoker	25.1%	23.4%	25.2%
Never smoked	56.5%	61.5%	62.1%

Sources: Centers for Disease Control and Prevention & Maryland Behavioral Risk Factor Surveillance System

[a] Males having 5 or more and females having 4 or more drinks per occasion

[b] Men having more than 2 drinks and females 1 drink per day

Figure J2. Alcohol Use (2015)

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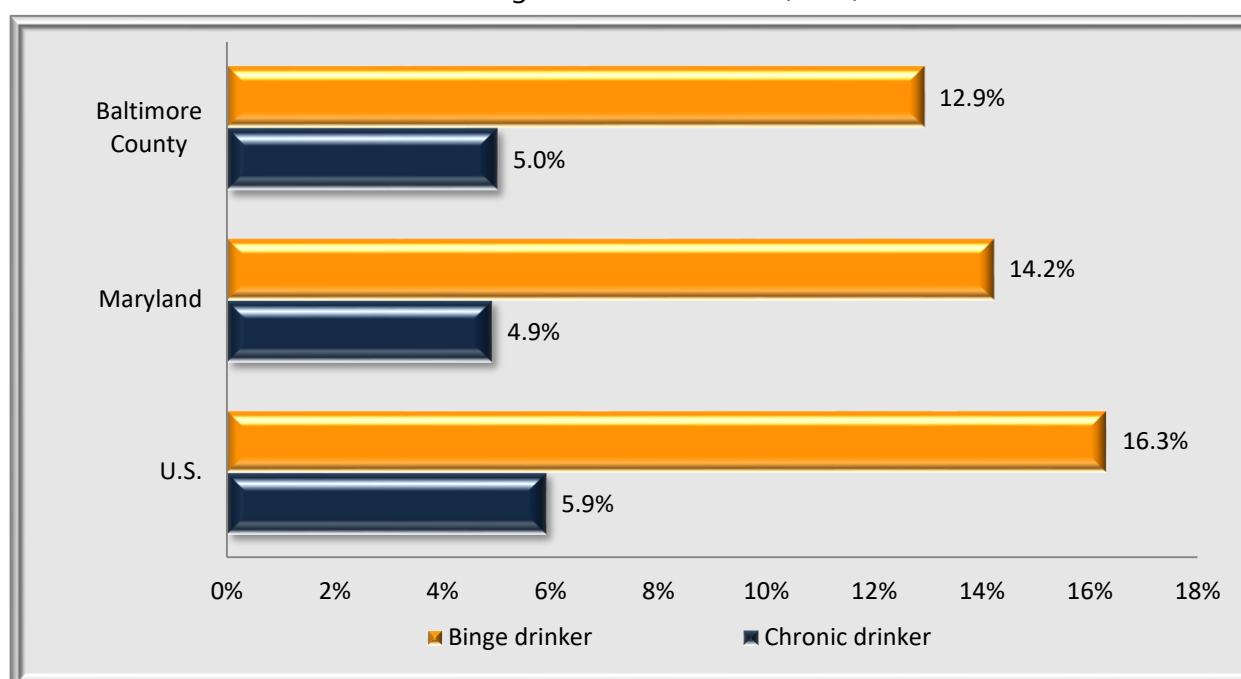
K. Cancer Statistics

Table K1. Cancer Incidence by Site, per Age-Adjusted 100,000 (2011 - 2015)

	U.S.	Maryland	Baltimore County
Breast (female)	124.7	131.7	135.7
Bladder	20.3	21.2	24.4
Colon & rectum	39.2	37.0	38.2
Lung & bronchus	60.2	57.4	64.5
Pancreas	12.6	13.1	13.8
Melanoma of the skin	21.3	22.4	29.0
Prostate	109.0	125.7	127.4
Cervix	7.5	6.4	6.3
Uterus	26.2	27.3	28.0
All sites	**441.2**	**446.2**	**476.8**

Source: National Cancer Institute

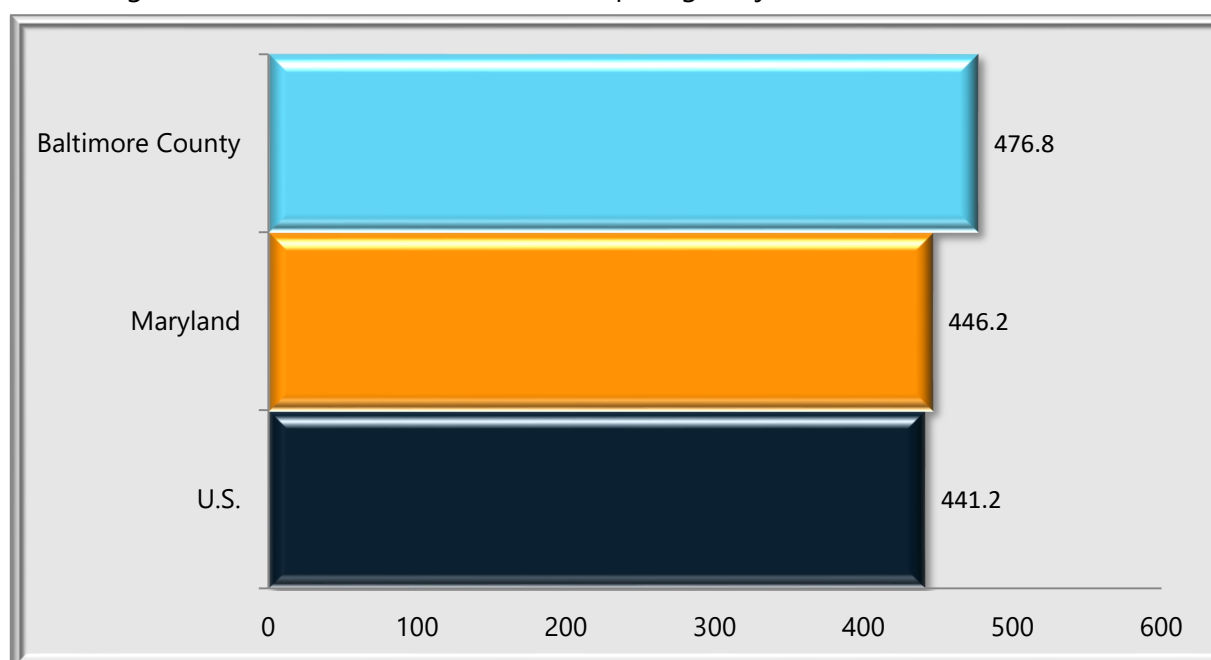Figure K1. Cancer incidence for all sites per age-adjusted 100,000 (2011 – 2015)

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Table K2. Average Annual Cancer Mortality by Site, per Age-Adjusted 100,000 (2011 - 2015)

	HP 2020	U.S.	Maryland	Baltimore County
Breast (female)	20.7	20.9	22.4	22.6
Bladder	N/A	4.4	4.8	5.0
Colon & Rectum	14.5	14.5	14.2	14.3
Lung & bronchus	45.5	43.4	41.5	43.6
Pancreas	N/A	10.9	11.6	12.0
Melanoma of the skin	2.4	2.6	2.3	2.8
Prostate	21.8	19.5	20.1	17.2
Cervix	2.2	2.3	2.0	1.9
Uterus	N/A	4.6	5.5	5.4
All sites	**161.4**	**163.5**	**162.3**	**162.7**

Sources: National Cancer Institute & Healthy People 2020

Figure K2. Cancer mortality for all sites per age-adjusted 100,000 (2011 - 2015)

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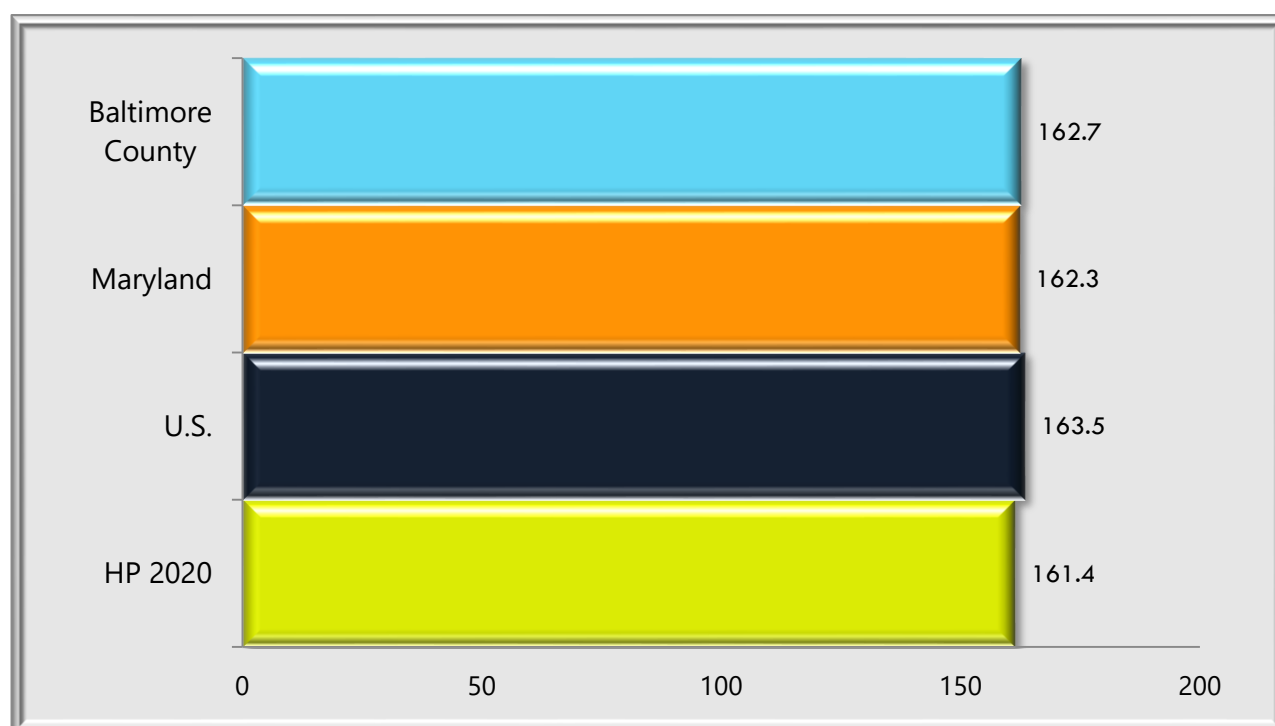
L. Chronic Disease Statistics

Table L1. Chronic Conditions (2015)

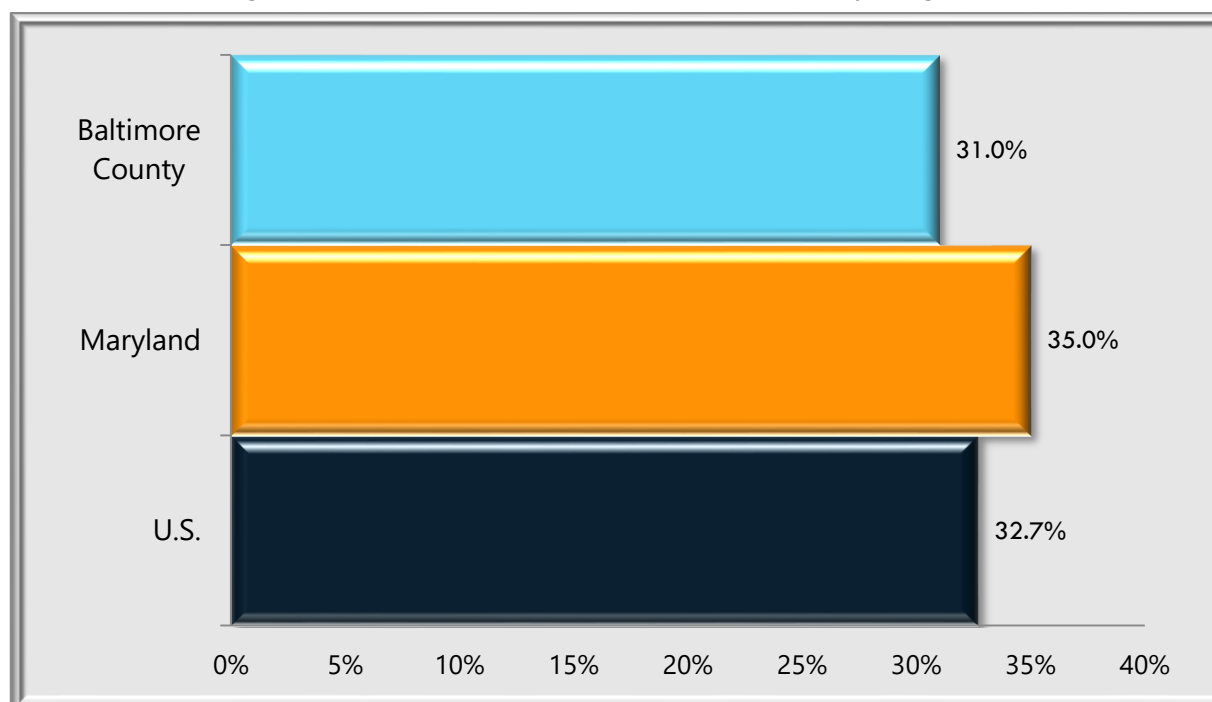|	U.S	Maryland	Baltimore County
Ever been told by a doctor or other health professional that you had:			
Angina or coronary heart disease	3.9%	3.7%	4.6%
Asthma	14.3%	13.9%	14.3%
Diabetes	9.9%	10.4%	11.9%
Heart attack	4.2%	3.7%	4.3%
Stroke	3.0%	2.8%	N/A

Sources: Centers for Disease Control and Prevention & Maryland Behavioral Risk Factor Surveillance System

Table L2. Weight Classifications (2015)

	U.S.	Maryland	Baltimore County
Healthy Weight (BMI 18.5 - 24.9)	32.7%	35.0%	31.0%
Overweight (BMI 25.0 - 29.9)	35.5%	36.1%	36.0%
Obese (BMI 30.0 and above)	29.8%	28.9%	32.9%

Sources: Centers for Disease Control and Prevention & Maryland Behavioral Risk Factor Surveillance System

Figure L1. Percent of adult population at a healthy weight (2015)

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M. County Health Rankings

Table M1. Health Outcome Rankings [a] (2018)

	National Benchmark[b]	Maryland	Baltimore County
Health Outcomes Rank			**13**
Length of Life Rank			**13**
Premature death (Years of potential life lost before age 75 per age-adjusted 100,000)	5,300	6,500	6,700
Quality of Life Rank			**12**
Poor or fair health	12%	14%	13%
Poor physical health in past 30 days (Average number of days)	3.0	3.1	3.1
Poor mental health in past 30 days (Average number of days)	3.1	3.5	3.7
Low birth weight	6%	9%	9%

Source: County Health Rankings
[a] Rank is based on all 24 counties within Maryland State. A ranking of "1" is considered to be the healthiest.
[b] National benchmark represents the 90th percentile, i.e., only 10% are better.

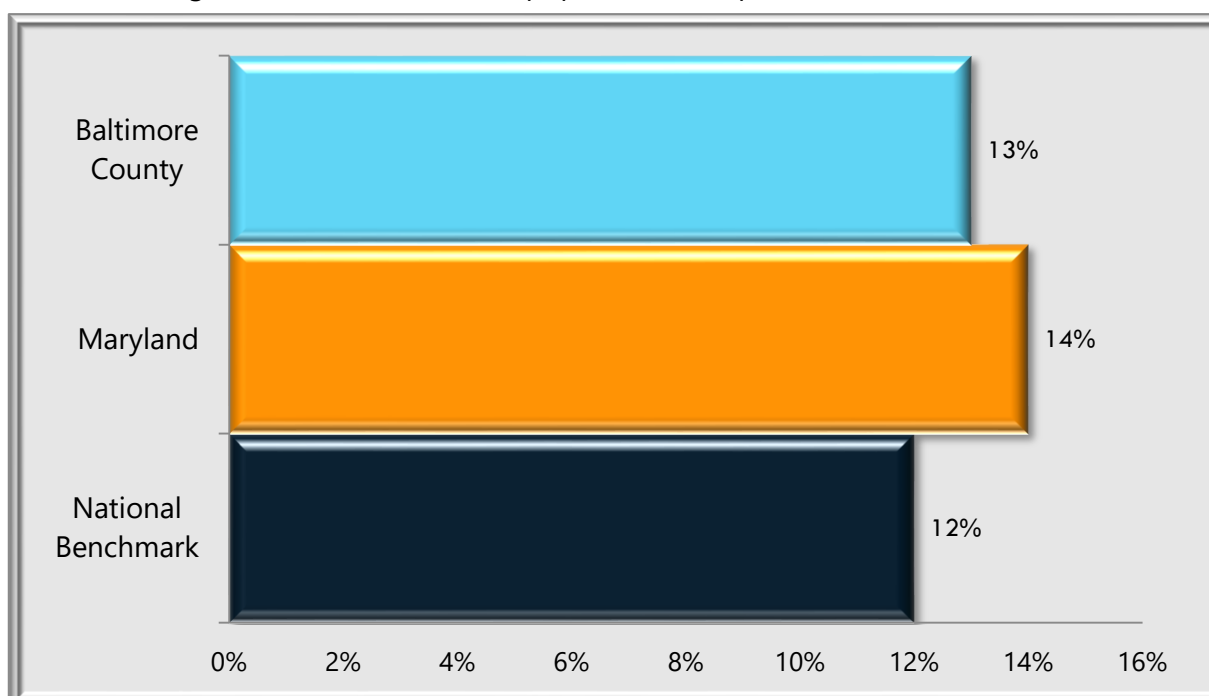Figure M1. Percent of adult population with poor or fair health (2018)

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Table M2. Health Factors and Behaviors Rankings [a] (2018)

	National Benchmark[b]	Maryland	Baltimore County
Health Factors Rank			**11**
Health Behaviors Rank			**8**
Adult smoking	14%	14%	14%
Adult obesity (BMI ≥ 30)	26%	29%	30%
Food environment index	8.6	9.1	8.3
Physical inactivity (Adults aged 20 years+)	20%	22%	24%
Access to exercise opportunities	91%	93%	94%
Excessive drinking	13%	17%	16%
Alcohol-impaired driving deaths	13%	30%	26%
New chlamydia cases per 100,000	145.1	459.3	437.0
Teen birth rate per 1,000 (Aged 15–19)	15	21	17

Source: County Health Rankings
[a] Rank is based on all 24 counties within Maryland State. A ranking of "1" is considered to be the healthiest.
[b] National benchmark represents the 90th percentile, i.e., only 10% are better.

Table M3. Clinical Care Rankings [a] (2018)

	National Benchmark[b]	Maryland	Baltimore County
Clinical Care Rank			**8**
Uninsured (Population <65 years)	6%	7%	7%
Primary care physician density	1,030:1	1,140:1	990:1
Dentist density	1,280:1	1,320:1	1,350:1
Mental health provider density	330:1	460:1	400:1
Preventable hospital stays per 1,000 Medicare enrollees	35	47	49
Diabetic monitoring among Medicare enrollees age 65-75	91%	85%	85%
Mammography screening among female Medicare enrollees age 67-69	71%	64%	67%

Source: County Health Rankings
[a] Rank is based on all 24 counties within Maryland State. A ranking of "1" is considered to be the healthiest.
[b] National benchmark represents the 90th percentile, i.e., only 10% are better.

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Table M4. Social and Economic Factors Rankings [a] (2018)

	National Benchmark[b]	Maryland	Baltimore County
Social & Economic Factors Rank			**12**
High school graduation	95%	87%	88%
Some college	72%	69%	70%
Unemployment	3.2%	4.3%	4.5%
Children in poverty	12%	13%	12%
Income inequality (Ratio of household income at the 80th percentile to income at the 20th percentile)	3.7	4.6	4.2
Children in single-parent households	20%	34%	35%
Social associations per 10,000	22.1	8.9	8.2
Violent crime rate per 100,000	62	465	504
Injury deaths per 100,000	55	64	77

Source: County Health Rankings
[a] Rank is based on all 24 counties within Maryland State. A ranking of "1" is considered to be the healthiest.
[b] National benchmark represents the 90th percentile, i.e., only 10% are better.

Table M5. Physical Environment Rankings [a] (2018)

	National Benchmark[b]	Maryland	Baltimore County
Physical Environment Rank			**23**
Air pollution – particulate matter	6.7	9.5	11.1
Drinking water violations	N/A	N/A	Yes
Severe housing problems	9%	17%	16%
Driving alone to work	72%	74%	79%
Long commute – driving alone	15%	49%	46%

Source: County Health Rankings
[a] Rank is based on all 24 counties within Maryland State. A ranking of "1" is considered to be the healthiest.
[b] National benchmark represents the 90th percentile, i.e., only 10% are better.

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V. Criminal Activity

N. Crime Statistics

Table N1. Reported Offenses Per 100,000 Population (2016)

	U.S.	Maryland	Baltimore County
Total Crime Rate	**2,837.0**	**2,801.3**	**3,361.2**
Violent crime	386.3	481.9	531.2
Homicides	5.3	8.9	4.2
Rape*	29.6	30.2	38.4
Robbery	102.8	179.7	180.2
Aggravated assault	248.5	263.1	308.4
Property crime	2,450.7	2,319.4	2,830.0
Breaking or entering	468.9	412.6	444.4
Larceny	1,745.0	1,676.7	2,136.6
Motor vehicle theft	236.9	230.2	249.0

Sources: Maryland Uniform Crime Reporting Program & Federal Bureau of Investigation

* U.S. figure estimated using the legacy UCR definition of rape.

Figure N1. Violent and property crime rates per 100,000 population (2016)

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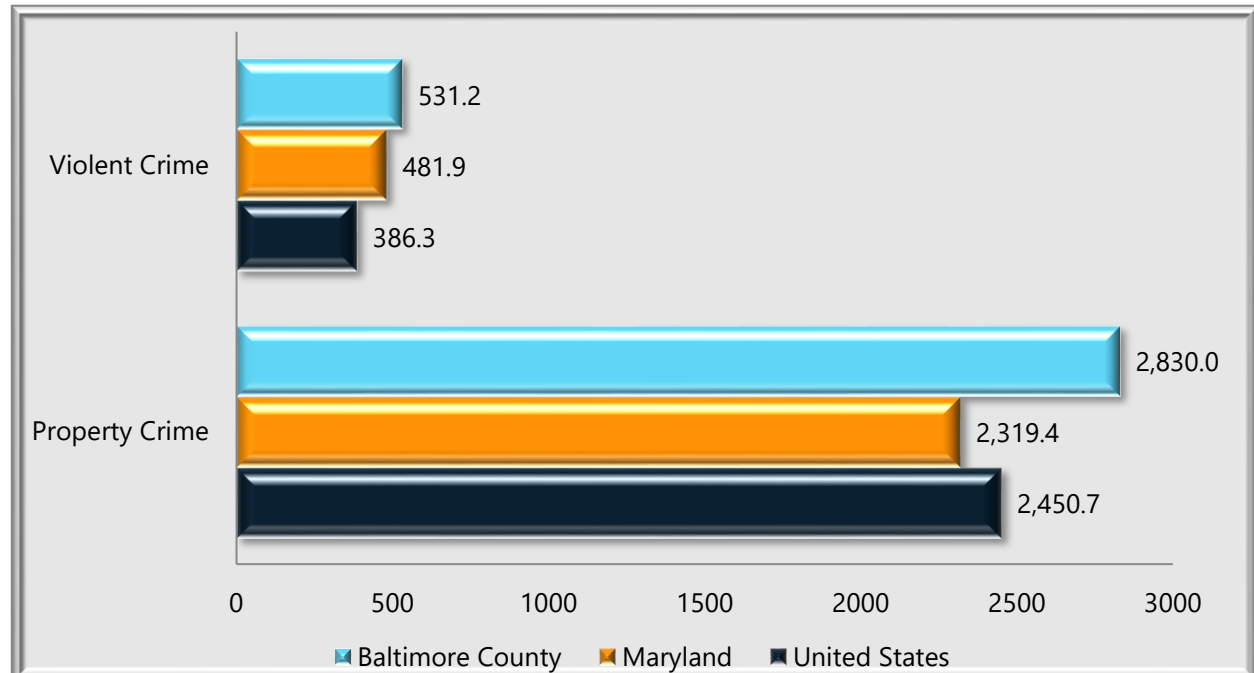
VI. Conclusions

The following conclusions are drawn from comparisons of Baltimore County to Maryland and to the U.S. secondary data. They are categorized as either Areas of Strength, Areas of Opportunity, or Areas of Difference. Areas of Strength highlight factors in which the county has a more favorable outcome than Maryland and the U.S. In contrast, Areas of Opportunity highlight factors in which Baltimore County can improve upon in comparison to the state and the nation. Areas in which the county differ notably from the state and national data, but cannot be considered to be strengths or opportunities, are considered Areas of Difference. For example, if Baltimore County has a notably larger male population versus female population, this is neither a strength nor an opportunity, but is an Area of Difference.

AREAS OF STRENGTH

❖ **Household Statistics**
 • Baltimore County has a lower percentage of vacant homes (7.2%) when compared to Maryland (10.1%) and the nation (12.2%).
 • A slightly lower proportion of residents in Baltimore County spend more than 30% of their income on a mortgage (29.1%) when compared to residents across Maryland (31.0%) and the nation (30.8%). The same is true for residents spending more than 30% of their income on rent. The percentage in Baltimore County (49.0%) is lower than the state (50.5%) and the nation (51.1%).

❖ **Income Statistics**
 • Baltimore County has lower poverty rates for all families, female-headed households and individuals when compared to the state and nation.
 • There are a lower percentage of households in Baltimore County that are receiving food stamps (10.3%) when compared to Maryland (11.1%) and the nation (13.0%).

❖ **Employment Statistics**
 • Baltimore County's unemployment rate is 4.3%. This percentage is similar to the state (4.1%) and the nation (4.4%).

❖ **Education Statistics**
 • Residents aged 25 years and over in Baltimore County are just as likely to have graduated from high school (91.0%) when compared to the state (89.6%). However, they are slightly less likely to have attained a bachelor's degree (37.2%) compared to residents across the state (38.4%). Both percentages are higher when compared to the nation.

❖ **Health Care Access Statistics**
 • Residents in Baltimore County are more likely to have health insurance (92.6%) when compared to residents in Maryland (91.9%), and the nation (88.3%).

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- There is a higher percentage of residents in Baltimore County who have received a routine check-up within the past year (78.1%) than residents across the state (76.2%) and the nation (70.2%).

❖ **Maternal & Child Health Statistics**
- The teenage birth rate per 1,000 live births for 15-19 year olds is lower in Baltimore County (12.7) when compared to Maryland (15.9) and the nation (20.3).
- The infant (5.9) and post-neonatal (1.5) mortality rates are slightly lower in Baltimore County when compared to Maryland and the nation. They are also meeting the HP 2020 goal of 6.0 and 2.0 respectively.

❖ **Behavioral Health Statistics**
- The percentages of binge drinkers (12.9%) and chronic drinkers (5.0%) are both lower than the national percentages of 16.3% and 5.9% respectively. The percentage of binge drinkers is lower than the state (14.2%) and the percentage of chronic drinkers is similar (4.9%).
- Baltimore County has a lower percentage of current smokers (12.8%) than the state (15.1%) and the nation (17.1%).

❖ **Cancer Statistics**
- The age-adjusted cancer incidence rate for cervical cancer is similar to the state but better than the national rate.
- The age-adjusted cancer mortality rate per 100,000 is similar in Baltimore County (162.7) and the state (162.3), but both rates in the county and the state are better than the rate in the nation (163.5). However, all rates still fall short of the HP 2020 goal of 161.4.
- The age-adjusted cancer mortality rate for colon and rectal and cervical cancer in Baltimore County is similar to the rate in the state and the nation and meet the HP 2020 goals. The rate for lung and bronchus cancer is worse than the state but is similar to the nation and meets the HP 2020 goal. The rate for prostate cancer is better than the state, nation, and meets the HP 2020 goal.

❖ **County Health Rankings**
- Baltimore County ranked in the top half of all 24 Maryland Counties in regard to health factors (11), health behaviors (8), and clinical care (8). There are a few measures that Baltimore County performs better than both the state and the National Benchmark. This includes:
  o Baltimore County residents have better access to exercise opportunities (94%) than residents across Maryland (93%) and compared to the National Benchmark (91%).
  o The primary care physician density in Baltimore County (990:1) is better than the state (1,140:1) and the National Benchmark (1,030:1).

AREAS OF OPPORTUNITY

❖ **Household Statistics**
- There are a higher percentage of grandparents responsible for their grandchildren in Baltimore County (38.4%) than in the state (32.3%) and the nation (36.5%).
- Baltimore County has a larger proportion of single-female householders (14.4%) when compared to the nation (12.9%). The percentage is similar to the state (14.3%).
- There is a greater proportion of householders living alone who are 65 years or older in Baltimore County (11.8%) than in the state (9.8%) and the nation (10.4%).

❖ **Health Care Access Statistics**
- In Baltimore County, there are a higher percentage of residents who could not afford to see a doctor in the past year (12.3%) when compared to residents across Maryland (10.8%). This percentage is similar to the nation (12.1%).
- Baltimore County has two service areas that have been designated as Medically Underserved Areas, including Middle River and Landsdown/Highlands.

❖ **Mortality Statistics**
- The crude death rate per 100,000 in Baltimore County (1,015.1) is higher when compared to the state's rate of 812.5 and the nation's rate of 849.3.
- The top three causes of death in Baltimore County and Maryland are diseases of the heart, cancer and stroke. The top two leading causes of death are the same in the nation; however, accidents is the third leading cause of death in the nation.
- The crude death rate per 100,000 due to heart disease, cancer, stroke, diabetes, and influenza and pneumonia are all worse than the rates in the state and the nation. The death rate for accidents, chronic lower respiratory disease, Alzheimer's disease, nephritis, nephrotic syndrome and nephrosis, and suicide are all better than the rate in the nation but still worse than the state rate.

❖ **Maternal & Child Health Statistics**
- The percentages of low birth weight (8.8%) and very low birth weight (1.8%) births are slightly higher in Baltimore County when compared to the percentages in the state and nation. The percentages for both also still fall short of the HP 2020 goals of 7.8% and 1.4% for low birth weight and very low birth weight respectively.
- The neonatal mortality rate in Baltimore County (4.4) is higher than the rate in the nation (3.9) but is better than the state rate (4.7). The rate still falls short of the HP 2020 goal of 4.1.

❖ **Communicable Diseases Statistics**
- Baltimore County has a higher incidence rate per 100,000 for gonorrhea (186.1) when compared to the state (181.4) and the nation (145.8).
- While Baltimore County has a lower incidence rate per 100,000 for chlamydia (538.2) than the state (552.1), both rates are higher than the rate in the nation of 497.3.

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- The incidence rate per 100,000 for HIV (19.0) is lower in Baltimore County compared to the state (26.5); however, both the county and state rates are higher when compared to the nation (14.4). The incidence rate for tuberculosis is the same in Baltimore County and the state but both rates are higher than the nation.

❖ **Behavioral Health Statistics**
- The crude death rate due to suicide per 100,000 in Baltimore County (10.8) is lower when compared to nation (13.9) but is still worse than the suicide rate in Maryland (9.7).
- Both the percentage of individuals diagnosed with an anxiety disorder (16.7%) and a depressive disorder (19.8%) are higher when compared to the state (13.5% and 16.3% respectively). The percentage diagnosed with a depressive disorder is also higher than the nation (19.0%).

❖ **Cancer Statistics**
- The overall age-adjusted cancer incidence rate per 100,000 is higher in Baltimore County (476.8) when compared to Maryland (446.2) and the nation (441.2).
- The age-adjusted cancer incidence rate for breast, bladder, lung and bronchus, pancreas, melanoma, prostate, and uterine cancer are all higher in Baltimore County when compared to the state and the nation. The rate for colon and rectal cancer in Baltimore County is better compared to the nation but is still worse than the rate in the state.
- The age-adjusted cancer mortality rates for breast, bladder, and pancreatic cancer are all higher in Baltimore Count compared to both the state and nation. The age-adjusted rate for uterine cancer is similar to the state but both are worse than the rate in the nation. The rate for melanoma is similar to the state and the nation; however, it still falls short of the HP 2020 goal.

❖ **Chronic Disease Statistics**
- There were a higher percentage of residents in Baltimore County who reported having angina or coronary heart disease and diabetes when compared to the percentages in the state and the nation.
- The percentage of adults at a healthy weight is lower in Baltimore County (31.0%) compared to both Maryland (35.0%) and the nation (32.7%).

❖ **Crime Statistics**
- The overall total crime rate per 100,000 is higher in Baltimore County (3,361.2) when compared to Maryland (2,801.3) and the nation (2,837.0).
- The Baltimore County violent crime and property crime rates are both higher when compared to the rates in Maryland and the nation.

❖ **County Health Rankings**
- Baltimore County ranked in the middle or near the bottom half of all 24 counties in Maryland in regard to health outcomes (13), length of life (13), quality of life (12), social and economic factors (12), and physical environment (23). There are a few measures that could be

improved upon in comparison to Maryland and the National Benchmark in order to increase Baltimore County's rank. Some of the more notable measures needing improvement include:

- o Years of potential life lost before age 75 per age-adjusted 100,000 is higher in Baltimore County (6,700) when compared to the state (6,500) and the National Benchmark of 5,300.
- o Baltimore County residents reported a slightly higher rate of poor mental health days in the past month (3.7) when compared to the National Benchmark (3.1).
- o Baltimore County has an average daily density of fine particulate matter of 11.1. This is higher than the average in Maryland of 9.5 and the National Benchmark of 6.7.

AREAS OF DIFFERENCE

❖ **Population Statistics**
- Baltimore County experienced a slightly slower population growth between 2010 and 2016 (2.6%) when compared to Maryland and the nation (3.2%).
- Baltimore County has a slightly higher median age (39.1) when compared to the state (38.3) and the nation (37.7).
- Nearly two-thirds of the population in Baltimore County is White. This proportion is higher than the state (59.7%) but lower than the nation (76.0%). Twenty-nine percent of the population is Black/African American, which is slightly lower than the state (31.4%) but higher than the nation (13.8%).
- The percentage of individuals who speak a language other than English at home is lower in Baltimore County (13.9%) when compared to Maryland (17.6%) and the nation (21.1%). Residents who speak a language other than English at home in Baltimore County are most likely to speak an Other Indo-European language (4.8%) or Spanish (4.0%).

❖ **Household Statistics**
- The median home value in Baltimore County ($246,900) is lower than that of Maryland ($290,400) but higher than the nation ($184,700).
- The median amount of dollars spent on housing rental is slightly lower in Baltimore County ($1,193) when compared to the state ($1,264) but is higher compared to the nation ($949).

❖ **Income Statistics**
- The median income for households and families is slightly higher in Baltimore County when compared to the nation but is lower when compared to the state.

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