

## ***FY 2015 Health Plan for Dorchester County Health Department***

**Overview:** Dorchester County, the largest County on Maryland's Eastern Shore, consists of nearly 600 square miles of land and over 100 square miles of water, with 1,700 miles of shoreline including islands and wetlands. The population estimate for July 1, 2012 is 32,551 Dorchester continues to be the second most sparsely populated County in the State with a population density of 55 people per square mile. The largest cities and towns in the County are the county seat of Cambridge (12,503), located on the southern bank of the Choptank River, and Hurlock (2,068) in the northeastern section of the County. There are seven incorporated towns with populations of less than 550 residents each. (<http://www.city-data.com/city>)

### **Estimated Dorchester County Population Distribution-July 1, 2012**

(Source: Maryland DHMH, Division of Health Statistics 2012)

<b><i>Gender</i></b>	<b><i>Birth - 4</i></b>	<b><i>5-14</i></b>	<b><i>15-19</i></b>	<b><i>20-24</i></b>	<b><i>25-44</i></b>	<b><i>45-64</i></b>	<b><i>65-74</i></b>	<b><i>75+</i></b>	<b><i>Total</i></b>
Male	1,024	1,939	974	941	3,375	4,621	1,665	1,082	15,621
Female	984	1,828	879	984	3,797	5,091	1,802	1,565	16,930
<b><i>Total</i></b>	<b><i>2,008</i></b>	<b><i>3,767</i></b>	<b><i>1853</i></b>	<b><i>1,925</i></b>	<b><i>7,172</i></b>	<b><i>9,712</i></b>	<b><i>3,467</i></b>	<b><i>2,647</i></b>	<b><i>32,551</i></b>

Of the 2012 estimated population 65.6% identify as white-non Hispanic, 27.4% black-non Hispanic, 4% Hispanic and 1% as Asian or Pacific Islanders and 0.3% identify as Native American. Females comprised 52% and males comprised 48% of the total estimated population. Individuals under the age of 19 make up 23.5% of the estimated population, 18.8% are over the age of 65 and the age group of 20 to 64 (primary wage earners) is 57.8% of the total population. In Dorchester County, 29% of all households have one or more people under the age of 18; 31 percent of all households have one or more people 65 years and over. (Maryland DHMH, Division of Health Statistics 2012)

In 2010-2012 There were 14,000 households in Dorchester County with the average household size 2.3 people. Families made up 68 % of the households in Dorchester County. This figure includes both married-couple families (47%) and other families (21%). Of other families, 11% are female householder families with no husband present and their own children under 18 years. Nonfamily households made up 32 percent of all households. 760 grandparents lived with their grandchildren under 18 years old, of those grandparents, 66% had financial responsibility for their grandchildren. (*U.S. Census Bureau, 2010-2012 American Community Survey, American Fact Finder*)

In regards to economic conditions in Dorchester, The Small Area Income and Poverty Estimates for 2012, indicates that 18.4% of county residents live below poverty compared to 10.4% statewide. Poverty percentages place Dorchester County 22<sup>nd</sup> among the 24 Maryland jurisdictions. Across the state, 14.1% of children under the age of 18 live in poverty and Dorchester County's figure is significantly higher at 31.4%. Thirteen percent of all families and 34 percent of families with a female householder and no husband present had incomes below the poverty level. The median income of households in Dorchester County was \$42,885 with 16% of households having an income below \$15,000 a year. (U.S. Census - Estimates released December 2013)

In regards to educational attainment which effects employment and economic status, data indicates that of all county residents age 25 and over, 16.6% did not graduate from high school compared to statewide figure of 11.5%. On the positive side, 38.7% of this population had a high school diploma or equivalency compared to 26% statewide. The percent of residents 25 or older

in Dorchester County who have attained an associate degree or some college very closely aligns with the statewide percentage at 26.8% and 26.1% respectively. The disparity comes with the number of residents 25 or older who have a bachelor's degree or higher at less than half of the statewide figure, Dorchester has a percentage of 18% versus the state percentage of 36.4%. (2008-1012 American Community Survey 5-Year Estimates).

With 740 businesses employing approximately 8,500 workers, the county continues to diversify its industry mix as demonstrated by the recent completion of infrastructure development in the new 113-acre Dorchester Regional Technology Park, serving the county and region. Complete with water, sewer and fiber and located across from the Cambridge-Dorchester Regional Airport, the park is in one of the county's two State Enterprise Zones. Also in Enterprise Zones are Hurlock Industrial Park located in the north of the county, and Chesapeake Industrial Park in Cambridge. (<http://choosedorchester.org>)

As a federally designated HUB Zone, a Dorchester County location offers businesses easy access to unique federal procurement opportunities. Traditional and innovative manufacturing, services including IT, tourism and agriculture/aquaculture are the primary employment sectors. Key employers include: Amick Farms, Cambridge International, Bloch & Guggenheimer, Protenergy Natural Foods, LWRC International, Egide USA, Hyatt Regency Chesapeake Bay Golf Resort, Interstate Container and John W. Tieder. (<http://choosedorchester.org>)

***Labor Availability – 2012 Averages***

Employment: 15,161

Unemployment: 1,779

Unemployment Rate: 10.5

Total Civilian Labor Force: 16,945

Residents commuting outside county to work (2009-2011): 34.5%

Source: <http://choosedorchester.org>

**Employment by Industry – Annual 2012**

<u>Sector</u>	<u>Employment</u>
<b>Total Employment</b>	<b>10,848</b>
<b>Government Total</b>	<b>2,310</b>
Federal	197
State	798
Local	1,315
<b>Private Sector Total</b>	<b>8,538</b>
Natural Resources & Mining	290
Construction	365
Manufacturing	2,070
Trade, Transportation, & Utilities	1,932
Information	53
Financial Activities	301
Professional & Business Services	501
Education & Health Services	1,517
Leisure & Hospitality	1,158
Other Services/Unclassified	35

Source: Maryland Department of Labor, Licensing and Regulation (DLLR), June 11, 2013

The per capita income for 2008-2012 for Dorchester County was \$26,505, considerably lower than the State at \$35,056. The 2012 estimated median household income for Dorchester County

was \$41,931 compared to Maryland at \$71,169. The 2013 average weekly wage for Dorchester County was \$664 compared to the State at \$1,008 (Maryland DLLR, July 2013).

As reported by Maryland's Department of Labor, Licensing, and Regulation (DLLR), over the past ten years (2004 through 2013), Dorchester County has had an annual average unemployment rate consistently above the state annual average. The 2013 Dorchester County annual average unemployment rate was 10 (State 6.6). (Maryland DLLR, January 28, 2014) Not only does Dorchester County have low wages and high unemployment rates, there is a large population of uninsured and under-insured individuals.

According to the U.S. Census Bureau's Small Area Health Insurance Estimates by County, 12.7% of Dorchester County residents under age 65 were uninsured in 2012 and 4.4% residents under the age of 19 were uninsured. Poverty and access to quality healthcare is an issue for populations in Dorchester. The Health Resource and Services Administration designates Dorchester County as a Health Professional Shortage Areas (HPSAs), having shortages of primary medical care, dental and mental health providers as well as being designated as a low-income population area.

### ***Elementary and Secondary Education***

*Source: 2013 Maryland Report Card*

#### **Public Schools**

Elementary: 6, Middle: 2, Kindergarten – 8<sup>th</sup> grade: 1, High: 2, Career and Technology: 1

Total Enrollment: 4,718

Enrollment: Pre K and K – 673, Grades 1-5 – 1,752, Grades 6-8 – 997, Grades 9-12 – 1,296

Cost/Pupil: \$12,757

Instructional Staff per 1,000 students 81.7

Class of 2012 dropout rate: 13.2 (4 year adjusted cohort)

Class of 2012 graduation rate: 83.8 (4 year adjusted cohort)

2013 post graduation plans: 32.4% attend four-year college; 41.3% attend a two-year college; 8.1%; attend a specialized school/training; 5% enter employment related to high school program; 7.7% enter employment unrelated to high school program; 5.8% enter military; 20.5% enter full-time employment and school; 47.5% enter part-time employment and school.

### ***Career & Technical Education***

The Dorchester Career and Technology Center offers programs of study in: Arts, Media, and Communication; Business Management and Finance; Construction and Development; Consumer Services, Hospitality, and Tourism; Environmental, Agriculture, and Natural Resources; Health and Biosciences; Human Resource Services; Information Technology; Manufacturing, Engineering, and Technology; Transportation Technologies.

### ***Higher Education***

Chesapeake College a two-year regional community college located in Queen Anne's County, also serves Dorchester County residents by offering classes at its' downtown Cambridge satellite location. The University of Maryland Center for Environmental Science (UMCES) is located on the Choptank River near Cambridge and is recognized as one of the world's leading institutions for coastal studies (watersheds, tributaries, bays and oceans). Sojourner-Douglass College Sojourner-Douglass College draws students generally from the large population of adults in the African American community, using a program designed to stimulate the motivation of students and enhance the students' development of positive self-images, offering classes in Cambridge and at 6 other locations in Maryland, Nassau, Bahamas and in the Virgin Islands. Wor-Wic Community College is a two-year liberal arts and occupational college based in

Salisbury and Berlin. It offers transfer programs as well as continuing education courses. Washington College in Kent County, Salisbury University in Wicomico County, and the University of Maryland Eastern Shore in Somerset County are nearby four-year colleges.

**Mission & Vision:** The mission of the Dorchester County Health Department is “From disease prevention to crisis intervention, from birth to death, we are working in partnership with the community to make a safer place for healthier people.” This rural health department is engaged in providing all ten essential public health services as outlined by the Centers for Disease Control to the extent possible with available funding. The Core Public Health Funding is utilized to support priority areas and the essential health services to the citizens of Dorchester County.

**Needs Assessment:** On-going needs assessment takes place through the Health Officer and health department staff continually monitoring and reviewing available community health data to ascertain the health status of the County. Since FY 2012 the SHIP process has been very valuable, with the Health Officer and multiple staff participating in the Mid-Shore Regional SHIP. Additionally, the Dorchester County Community Wellness Coalition reviews the SHIP data and other local data to set the local health priority agenda and seek additional funding resources. In FY 2013, under the direction of the Dorchester and Caroline County Health Officers, a 7 zip code zone within the two counties was designated as a Health Enterprise Zone and awarded 1.2 million dollars per year for a four year period, to reduce health disparities and health care costs. The following is a summary of select data utilized in identifying populations at risk, public health problems and need for public health services in Dorchester County.

### 2012 Health Status Indicator Tables

<i>Table 1: Selected Death Rates (per 100,000 population)</i>	<i>County</i>	<i>State</i>
All causes	1164.3	749.6
Coronary Heart Disease	291.9	184.7
Malignant Neoplasm's	282.6	176.8
Chronic Lower Respiratory Diseases	70.7	33.1

Source: *Maryland Vital Statistics Annual Report 2012*

<i>Table 2: Deaths from Selected Causes</i>	<i>County</i>	<i>State</i>
<i>*Death rates are not calculated for jurisdictions with fewer than 20 deaths.</i>		
Cerebrovascular Disease	18	2238
Diabetes	9	1208
Accidents	13	1642
Influenza and Pneumonia	6	979
Suicide	5	557
Alzheimer's Disease	8	892
HIV	1	255
# of infant deaths – Black	3	251
# of infant deaths – White	0	174
# of infant deaths – Hispanic	0	56

Sources: *Maryland Vital Statistics Annual Report 2012*

<i>Table 3: Selected Maternal Health Care Indicators</i>	<i>County</i>	<i>State</i>
Births to women <15 years old	2	63
Births to women 15-17 years old	9	1192
Births to women 18-19 years old	32	3083
Low birth weight (per 100 births)	8.9	8.8
Very Low birth weight (per 100 births)	1.2	1.7

Source: *Maryland Vital Statistics Annual Report 2012*

**Table 4: Selected Infectious Disease Rates**

	<b>County</b>	<b>State</b>
Living with HIV (per 100,000)	381.0	569.1
<i>Source Maryland HIV/AIDS Epidemiological Profile, DHMH, PHPA, IDB, CHSEE</i>		
Syphilis (per 100,000)	0	7.3
Chlamydia (per 100,000)	513.0	450.9
Gonorrhea (per 100,000)	159.7	96.6
<i>Source: Maryland's National Electronic Disease Surveillance System (NEDSS) and the Sexually Transmitted Disease Data Management Information Systems (STD MIS) as of December 16, 2013</i>		

**Table 5: Selected Risk Factors**

	<b>County</b>	<b>State</b>
# of children enrolled in Medical Assistance	4,745	526,989
# of pregnant woman enrolled in Medical Assistance	89	11,294
Total Number of Medical Assistance Recipients	10,631	1,082,917
<i>Source: MD DHMH Medicaid Management Information System, Report # HMF1120-R002 as of 12/01/13;</i>		
*Current Overweight %	36.5	36.2
*Current Obesity %	30.3	27.6
*Diabetes Lifetime Prevalence %	19.5	10.4
*Binge drinkers (5+ drinks per occasion last 30 days) %	8.3	16.4
*Chronic drinkers (Males 2+, Females 1 drink per day) %	1.4	5.5
*Current Cigarette Smoking by Adults	16.3	16.2
**Prevalence of Tobacco Use by Under-age Youth	21.6	17.1 (2010)
**% Households with minor children in which adults smoke.	30.5	44.6 (2008)
<i>Sources: *Maryland BRFSS 2012; **Monitoring Changing Tobacco Use Behaviors in Maryland, 2010</i>		

**Table 6: Selected Cancer Incidence Rates (2010)**

	<b>County</b>	<b>State</b>
All Cancers	488.4	449.8
Lung & Bronchus	75.5	57.6
Colorectal	43.6	37.4
Female Breast	124.8	129.0
Prostate	140.3	140.6
Oral	< 6 cases	10.6
Melanoma	39.3	21.4
Cervical	< 6 cases	7.3
<i>Annual Cancer Report Cigarette Restitution Fund Program December 2013</i>		
<i>* Rates are per 100,000 population and are age adjusted incidence to 2000 U.S. standard population.</i>		

### Local Public Health Priorities:

1. Coronary Heart Disease
  - percentage of youth and adult population who currently smoke
  - percentage of adult and youth population who are obese
  - percentage of population who have been told they have diabetes
  - deaths from diseases of the heart
2. Cancer
  - percentage of women over 40 who have never had a mammogram
  - percentage of women last Pap >3 years ago
  - percentage of population who are current smokers
  - lung cancer mortality rate
3. Family Planning, Maternal Health and Child Health
  - infant mortality rates
  - child abuse rate
  - teen pregnancy rate
  - low birth weights (poor pregnancy outcomes)
  - unintended pregnancies
4. Communicable Disease

- STI rates
- 5. Physician Shortage Area
  - rate of ED visits for behavioral health condition
  - rate of ED visit for diabetes
  - limited number of primary care physicians for early detection and treatment
  - limited opportunities to partner with physicians offices due to high patient loads
  - large percentage of individuals without health insurance

**Core Funding Allocations:** Funding for local health priority areas is derived from various sources including categorical grants, County and Core funds. In FY15, the Dorchester County Health Department will continue to focus Core Funding on providing services in the following program areas:

- |                        |                        |
|------------------------|------------------------|
| • Administration       | • STI/TB               |
| • Child Health         | • Environmental Health |
| • Communicable Disease | • Personal Care        |

**Data Sources:**

*Cancer Report Cigarette Restitution Fund Program, December 2013 DHMH*  
 Choose Dorchester Website: <http://choosedorchester.org> 2/10/14  
 City Data Website: <http://www.city-data.com/city> 2/4/14  
 Maryland BRFSS 2012  
 Maryland Department of Labor, Licensing and Regulation July, 2013  
 Maryland HIV/AIDS Epidemiological Profile, DHMH, PHPA, IDB, CHSEE  
 Maryland Vital Statistics: Annual Report 2012 from DHMH, Division of Health Statistics  
 MD DHMH Medicaid Management Information System, Report # HMF1120-R002 (12/01/13)  
 Maryland's National Electronic Disease Surveillance System (NEDSS) and the Sexually Transmitted Disease Data Management Information Systems (STD MIS), December 16, 2013  
 2013 Maryland Report Card (Dorchester County) <http://www.mdreportcard.org>  
 Monitoring Changing Tobacco Use Behaviors in Maryland, DHMH – CRF 2010  
 U.S. Census Bureau’s Small Area Health Insurance Estimates by County, 2012  
 U.S. Census Bureau’s Small Area Income and Poverty Estimates, 2012  
 U.S. Census Bureau, 2008-2012 American Community Survey (American Fact Finder)  
 U.S. Census Bureau, American Fact Finder 2010 Summary File