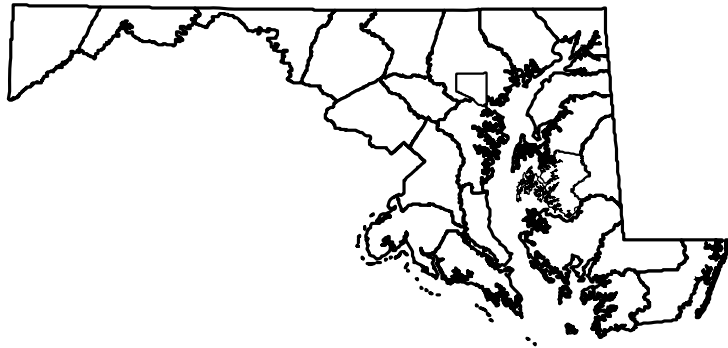


# CHRONIC DISEASES and their risk factors

A Statewide Perspective  
2005 DATA



Maryland Department of Health & Mental Hygiene

Family Health Administration

Center for Preventive Health Services

[www.fha.state.md.us/cphs/](http://www.fha.state.md.us/cphs/)



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## FOREWORD

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The Center for Preventive Health Services is pleased to present detailed statistics on chronic diseases and their risk factors.

The ‘*Chronic Diseases and their risk factors – A Statewide perspective: 2005 Data*’ report continues the series of reports that the Center aims to produce each year on chronic disease. The Center hopes that the information provides chronic disease professionals with a better direction for designing future programs to reduce chronic disease to Maryland residents.

Please fill out the data request form available through the Center for Preventive Health Services website, <http://www.fha.state.md.us/cphs/eip/html/reqform.cfm> should you require additional information.

We would like to acknowledge the Health Services Cost Review Commission (HSCRC) for providing the hospital discharge and ambulatory care databases, and the Maryland Vital Statistics Administration for the mortality database, upon which the analyses were based.

Additionally, we would like to thank Dr. Russell Moy, Director, and Joan Salim, Deputy Director, of the Family Health Administration for their continued support in chronic disease prevention throughout the state.

Sincerely,

Lori A. Demeter, Ph.D.  
Director  
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# BACKGROUND

Chronic diseases such as diseases of the heart, cancer, stroke, and diabetes are among the leading causes of death in Maryland. In 2005, heart disease and cancer together accounted for nearly half of all deaths in the State; stroke and diabetes contributed another 9% of the total. Research suggests, however, that the adoption of a healthy lifestyle including regular exercise, nutritious foods, and avoidance of tobacco may prevent or delay the onset of these diseases in many individuals. Early detection and treatment can also improve the quality of lives of those who develop these conditions.

In an effort to assist chronic disease experts to devise strategies for chronic disease prevention and control, this report provides detailed statistics on mortality, hospital ambulatory care visits, and hospitalizations related to selected chronic diseases. Data on common risk factors associated with chronic disease and the clinical preventive services utilized by those diagnosed with diabetes are also included.

## CHRONIC DISEASE INDICATORS

The chronic disease indicators were selected based on the following criteria:

- They have been identified by the Centers for Disease Control and Prevention (CDC) as indicators for chronic disease surveillance<sup>1</sup>.
- They are relevant to the work of the Center for Preventive Health Services.
- The data are available at the state and jurisdictional levels.

Table 1: Selected chronic disease indicators

Disease	Age	Data source	Definition
<b>Cardiovascular Disease</b>			
Mortality from major cardiovascular disease	All	Vital statistics	Underlying cause ICD-10-CM codes I00-I78
Mortality from diseases of the heart	All	Vital statistics	Underlying cause ICD-10-CM codes I00-I09, I11 ,I13, I20-I51
Mortality from coronary heart disease	All	Vital statistics	Underlying cause ICD-10-CM codes I11, I20-I25
Mortality from congestive heart failure	All	Vital statistics	Underlying cause ICD-10-CM code I50.0
Mortality from cerebrovascular disease (stroke)	All	Vital statistics	Underlying cause ICD-10-CM codes I60-I69
Hospital ambulatory care visit for acute myocardial infarction	All	Ambulatory care	Primary diagnosis ICD-9-CM code 410
Hospital ambulatory care visit for congestive heart failure	All	Ambulatory care	Primary diagnosis ICD-9-CM code 428.0
Hospital ambulatory care visit for cerebrovascular accident (stroke)	All	Ambulatory care	Primary diagnosis ICD-9-CM codes 430-434 and 436-438
Hospitalization for acute myocardial infarction	All	Hospital discharge	Primary diagnosis ICD-9-CM code 410
Hospitalization for congestive heart failure	All	Hospital discharge	Primary diagnosis ICD-9-CM code 428.0
Hospitalization for cerebrovascular accident (stroke)	All	Hospital discharge	Primary diagnosis ICD-9-CM codes 430-434 and 436-438
Cholesterol screening among adults aged ≥18 years	≥18 years	BRFSS	Respondents who report having their cholesterol checked within the previous 5 years
Prevalence of high blood pressure awareness among adults aged ≥18 years	≥18 years	BRFSS	Respondents who report having been told by a doctor, nurse or other health professional of having high blood pressure
Taking medicine for high blood pressure control among adults aged ≥18 years	≥18 years	BRFSS	Respondents who report taking medicine for high blood pressure

<sup>1</sup> Centers for Disease Control and Prevention. Indicators for chronic disease surveillance. MMWR 2004; 53 (No. RR-11): [11-110].

Table 1: Selected chronic disease indicators (continued)

Disease	Age	Data source	Definition
<b>Diabetes</b>			
Mortality with diabetes*	All	Vital statistics	Underlying cause ICD-10-CM codes E10-E14
Hospital ambulatory care visit with diabetes*	All	Ambulatory care	Primary diagnosis ICD-9-CM code 250
Hospitalization with diabetes*	All	Hospital discharge	Primary diagnosis ICD-9-CM code 250
Amputation of a lower extremity attributable to diabetes	All	Hospital discharge	ICD-9-CM code 250 and a procedure of ICD-9-CM code 84.1 and not having ICD-9-CM codes 895-897
Diabetes prevalence among adults aged $\geq 18$ years	$\geq 18$ years	BRFSS	Respondents who report ever having physician-diagnosed diabetes other than diabetes during pregnancy
Dilated eye examination among adults aged $\geq 18$ years with diabetes	$\geq 18$ years	BRFSS	Respondents ever told by a doctor or health professional that they have diabetes (excluding women who were told only when pregnant) who report having received a dilated eye exam within the previous year
Self blood-glucose monitoring among adults aged $\geq 18$ years with diabetes	$\geq 18$ years	BRFSS	Respondents ever told by a doctor or health professional that they have diabetes (excluding women who were told only when pregnant) who report self blood glucose monitoring at least once daily
Foot examination among adults aged $\geq 18$ years with diabetes	$\geq 18$ years	BRFSS	Respondents ever told by a doctor or health professional that they have diabetes (excluding women who were told only when pregnant) who report having received at least one clinical foot examination within the previous year
Influenza vaccination among adults aged $\geq 18$ years with diabetes	$\geq 18$ years	BRFSS	Respondents ever told by a doctor or health professional that they have diabetes (excluding women who were told only when pregnant) who report having received an influenza vaccination in the previous 12 months
Pneumonia vaccination among adults aged $\geq 18$ years with diabetes	$\geq 18$ years	BRFSS	Respondents ever told by a doctor or health professional that they have diabetes (excluding women who were told only when pregnant) who report ever having received pneumonia vaccination
<b>Physical Activity, Nutrition and Tobacco Use</b>			
Fruit and vegetable consumption among adults aged $\geq 18$ years	$\geq 18$ years	BRFSS	Respondents who report eating fruits and vegetables $\geq 5$ times/day
Prevalence of overweight or obesity among adults aged $\geq 18$ years	$\geq 18$ years	BRFSS	Respondents who have a body mass index (BMI) $\geq 25.0$ kg/m <sup>2</sup> calculated from self-reported weight and height
Obesity prevalence among adults aged $\geq 18$ years	$\geq 18$ years	BRFSS	Respondents who have a body mass index (BMI) $\geq 30.0$ kg/m <sup>2</sup> calculated from self-reported weight and height
Recommended physical activity among adults aged $\geq 18$ years	$\geq 18$ years	BRFSS	Respondents who report moderate physical activity for $\geq 30$ minutes $\geq 5$ times/week or who report vigorous physical activity for $\geq 20$ minutes $\geq 3$ times/week
Cigarette smoking among adults aged $\geq 18$ years	$\geq 18$ years	BRFSS	Respondents who report having smoked 100 cigarettes in their lifetime and are current smokers on every day or some days

Table 1: Selected chronic disease indicators (continued)

Disease	Age	Data source	Definition
<b>Osteoporosis</b>			
Hospitalization for hip fracture among Medicare-eligible persons aged $\geq 65$ years	$\geq 65$ years	Hospital Discharge	ICD-9-CM code 820
Hospitalization for vertebral fracture among Medicare-eligible persons aged $\geq 65$ years	$\geq 65$ years	Hospital Discharge	ICD-9-CM codes 805.0, 805.2, 805.4, 805.8
Hospital ambulatory care visit with hip fracture among Medicare-eligible persons aged $\geq 65$ years	$\geq 65$ years	Ambulatory care	ICD-9-CM code 820
Hospital ambulatory care visit with vertebral fracture among Medicare-eligible persons aged $\geq 65$ years	$\geq 65$ years	Ambulatory care	ICD-9-CM codes 805.0, 805.2, 805.4, 805.8

\*Indicator differs from the MMWR recommendations by including only primary diagnosis.

See Appendix 3 (Tables 77 and 78) for a more detailed presentation of the ICD-9 and -10 Codes and their respective definitions.

## DATA SOURCES

Data are derived from the following sources:

### Maryland Vital Statistics

Mortality data are derived from death certificates collected by the Maryland Vital Statistics Administration as required by Maryland state law. The data are used to monitor the underlying and contributing causes of death and to determine life expectancy. For this report, only underlying cause of death was examined.

### Maryland Behavioral Risk Factor Surveillance System (BRFSS)

The BRFSS is an ongoing telephone surveillance program designed to collect data on the behaviors and conditions that put Marylanders at risk for chronic diseases, injuries, and preventable infectious diseases. For 2005 the sample size was 8,800 households with an adult respondent 18 years of age or older. The data collected through the BRFSS provide valuable information to support many state and local programs. The BRFSS is an important data component for targeting areas of need, developing programs, and measuring the effectiveness of initiatives.

The BRFSS data in this report are weighted through a procedure that involves adjusting the sample proportions of selected demographic characteristics (e.g. age, race, sex) to reflect the composition of the state population. Data associated with ‘Don’t know’ and ‘Refused’ responses are excluded from analyses. For this report, the jurisdiction-level sample sizes were too small to be presented, so jurisdictional data has been combined into regions. If jurisdiction-level data is needed, Maryland BRFSS data is available online at <http://www.marylandbrfss.org>.

The following regions are used in this report:

<b>Region</b>	<b>Jurisdictions Included</b>
Baltimore City	Baltimore City
Baltimore Region	Baltimore County, Howard, Harford, Carroll, Anne Arundel
Montgomery County	Montgomery
Prince George's County	Prince George's
Eastern Shore	Cecil, Kent, Queen Anne's, Caroline, Talbot, Dorchester, Wicomico, Somerset, Worcester
Northwest Region	Garrett, Allegany, Washington, Frederick
Southern Region	Calvert, Charles, St. Mary's

### **Health Services Cost Review Commission (HSCRC) Ambulatory Care and Hospital Discharge Data**

According to Maryland state law, the 64 non-federal acute care general hospitals are required to submit uniform abstract (UB-92) data on all hospital emergency room and hospital clinic based visits as well as all hospital discharges to the HSCRC. These data comprise demographic, clinic, diagnostic and procedures information which are used by the HSCRC to set hospital rates under the state's charge-per-case payment system. This report includes data regarding both hospital discharges and ambulatory care visits (including emergency department visits and hospital based clinic visits). The lack of identifiers prevents unduplication of the data, thus one patient may account for multiple ambulatory care visits or hospital discharges.

### **Crude and age-adjusted rates**

Both crude rates and age-adjusted rates based on the standardized U.S. 2000 population by the direct method are presented for each indicator, including mortality, hospital emergency visits and hospital admissions. Population data for 2005 by jurisdiction and age group may be found in Appendix 1.

## CARDIOVASCULAR DISEASE

## Underlying Cause of Death

Table 2: Annual number and rate of deaths from **major cardiovascular disease**, Maryland, 2005

	<b>Number</b>	<b>Crude rate per 100,000 population</b>	<b>Age-adjusted rate per 100,000 population</b>
<b>Maryland</b>	<b>15,048</b>	<b>268.7</b>	<b>273.4</b>
Allegany County	348	472.6	307.7
Anne Arundel County	1,210	236.8	277.4
Baltimore City	2,450	385.3	370.0
Baltimore County	2,715	345.4	272.3
Calvert County	207	235.4	304.9
Caroline County	104	326.8	300.4
Carroll County	458	271.7	289.8
Cecil County	223	228.0	263.6
Charles County	255	183.7	274.2
Dorchester County	152	484.1	344.4
Frederick County	544	246.5	295.3
Garrett County	115	384.5	300.7
Harford County	592	247.4	281.3
Howard County	456	169.2	248.7
Kent County	77	387.0	238.6
Montgomery County	1,855	200.0	190.1
Prince George's County	1,698	200.7	288.6
Queen Anne's County	126	276.2	264.9
St. Mary's County	247	255.9	330.3
Somerset County	94	363.7	333.0
Talbot County	162	454.0	248.2
Washington County	475	334.8	284.5
Wicomico County	309	341.8	314.7
Worcester County	176	361.0	223.9

Table 3: Number of deaths from **major cardiovascular disease** by sex, race and age, Maryland, 2005

	Total*	Sex		Race		Age						
		Male	Female	White	African American	0-14 yrs	15-34 yrs	35-44 yrs	45-54 yrs	55-64 yrs	65-74 yrs	75+ yrs
<b>Maryland</b>	<b>15,048</b>	<b>7,053</b>	<b>7,995</b>	<b>11,013</b>	<b>3,798</b>	<b>28</b>	<b>123</b>	<b>350</b>	<b>961</b>	<b>1,555</b>	<b>2,185</b>	<b>9,842</b>
Allegany County	348	139	209	343	3	0	0	7	10	25	45	261
Anne Arundel County	1,210	587	623	1,025	175	5	10	22	87	115	187	784
Baltimore City	2,450	1,165	1,285	948	1,486	4	28	86	237	323	422	1,347
Baltimore County	2,715	1,204	1,511	2,332	356	2	15	43	153	236	348	1,918
Calvert County	207	102	105	177	30	1	1	9	10	18	29	139
Caroline County	104	58	46	89	15	0	0	1	7	14	17	65
Carroll County	458	210	248	451	7	0	5	8	14	32	58	341
Cecil County	223	113	110	213	10	0	3	13	14	21	40	132
Charles County	255	126	129	175	78	0	4	13	22	26	42	148
Dorchester County	152	76	76	116	36	0	3	0	6	14	33	96
Frederick County	544	249	295	507	36	1	3	12	29	48	75	376
Garrett County	115	55	60	115	0	0	2	2	3	10	19	79
Harford County	592	302	290	522	64	1	4	19	33	80	75	380
Howard County	456	191	265	365	67	0	5	14	15	44	54	324
Kent County	77	45	32	59	18	0	0	1	3	4	13	56
Montgomery County	1,855	824	1,031	1,504	237	5	14	24	86	135	202	1,388
Prince George's County	1,698	837	861	695	973	8	17	53	151	248	302	919
Queen Anne's County	126	71	55	108	18	0	1	1	9	13	14	88
St. Mary's County	247	129	118	209	37	0	1	5	18	30	42	151
Somerset County	94	46	48	72	22	0	1	3	4	7	11	68
Talbot County	162	72	90	136	25	0	1	3	2	12	23	121
Washington County	475	205	270	463	12	0	1	3	21	46	63	341
Wicomico County	309	148	161	245	62	1	3	7	19	36	48	195
Worcester County	176	99	77	144	31	0	1	1	8	18	23	125

\* Total includes individuals of other or unknown race and age.

Table 4: Annual number and rate of deaths from **diseases of the heart**, Maryland, 2005

	<b>Number</b>	<b>Crude rate per 100,000 population</b>	<b>Age-adjusted rate per 100,000 population</b>
<b>Maryland</b>	<b>11,564</b>	<b>206.5</b>	<b>209.8</b>
Allegany County	259	351.7	230.5
Anne Arundel County	926	181.3	211.0
Baltimore City	1,958	308.0	296.3
Baltimore County	2,047	260.4	206.2
Calvert County	170	193.3	247.4
Caroline County	74	232.5	213.7
Carroll County	349	207.1	219.5
Cecil County	184	188.1	216.1
Charles County	183	131.8	193.2
Dorchester County	125	398.1	281.8
Frederick County	418	189.4	225.2
Garrett County	100	334.3	262.9
Harford County	456	190.6	213.9
Howard County	333	123.6	181.1
Kent County	57	286.4	178.1
Montgomery County	1,427	153.8	146.4
Prince George's County	1,299	153.5	220.8
Queen Anne's County	89	195.1	185.2
St. Mary's County	183	189.6	243.8
Somerset County	83	321.1	294.4
Talbot County	106	297.1	166.6
Washington County	342	241.0	205.8
Wicomico County	258	285.4	262.7
Worcester County	138	283.1	177.0

Table 5: Annual number of deaths from **diseases of the heart** by sex, race and age, Maryland, 2005

	Total*	Sex		Race		Age						
		Male	Female	White	African American	0-14 yrs	15-34 yrs	35-44 yrs	45-54 yrs	55-64 yrs	65-74 yrs	75+ yrs
<b>Maryland</b>	11,564	5,643	5,921	8,486	2,904	20	107	282	799	1,272	1,745	7,335
Allegany County	259	102	157	255	2	0	0	6	6	21	36	190
Anne Arundel County	926	472	454	794	126	2	10	17	72	96	143	586
Baltimore City	1,958	961	997	762	1,183	3	25	69	199	265	353	1,041
Baltimore County	2,047	956	1,091	1,766	259	2	13	37	134	195	264	1,402
Calvert County	170	90	80	146	24	1	1	8	10	17	24	109
Caroline County	74	42	32	66	8	0	0	1	6	10	13	44
Carroll County	349	170	179	342	7	0	5	8	12	30	46	248
Cecil County	184	97	87	175	9	0	3	13	14	17	37	100
Charles County	183	92	91	120	62	0	4	9	21	19	30	100
Dorchester County	125	60	65	100	25	0	2	0	5	13	26	79
Frederick County	418	205	213	389	28	1	3	10	26	42	56	280
Garrett County	100	48	52	100	0	0	2	2	3	9	16	68
Harford County	456	255	201	401	51	1	2	17	28	70	65	273
Howard County	333	147	186	268	49	0	4	9	11	32	46	231
Kent County	57	33	24	41	16	0	0	1	2	4	10	40
Montgomery County	1,427	647	780	1,172	171	3	13	19	71	106	166	1,048
Prince George's County	1,299	658	641	538	740	6	13	35	120	188	235	702
Queen Anne's County	89	57	32	79	10	0	1	1	8	11	13	55
St. Mary's County	183	101	82	160	23	0	1	5	13	23	31	110
Somerset County	83	40	43	64	19	0	1	3	3	7	10	59
Talbot County	106	52	54	88	17	0	1	3	0	11	17	74
Washington County	342	158	184	333	9	0	1	2	16	40	48	235
Wicomico County	258	120	138	213	43	1	1	6	13	29	43	165
Worcester County	138	80	58	114	23	0	1	1	6	17	17	96

\* Total includes individuals of unknown age.

Table 6: Annual number and rate of deaths from **coronary heart disease**, Maryland, 2005

	<b>Number</b>	<b>Crude rate per 100,000 population</b>	<b>Age-adjusted rate per 100,000 population</b>
<b>Maryland</b>	<b>8,518</b>	<b>152.1</b>	<b>154.9</b>
Allegany County	210	285.2	185.6
Anne Arundel County	659	129.0	150.3
Baltimore City	1,409	221.6	211.8
Baltimore County	1,530	194.6	153.4
Calvert County	127	144.4	185.3
Caroline County	62	194.8	181.9
Carroll County	265	157.2	167.0
Cecil County	139	142.1	164.3
Charles County	133	95.8	144.0
Dorchester County	101	321.6	223.1
Frederick County	287	130.0	154.8
Garrett County	78	260.8	203.6
Harford County	344	143.8	161.9
Howard County	251	93.2	138.1
Kent County	45	226.1	143.5
Montgomery County	986	106.3	101.3
Prince George's County	963	113.8	166.7
Queen Anne's County	73	160.0	152.9
St. Mary's County	136	140.9	183.4
Somerset County	75	290.2	265.8
Talbot County	88	246.6	134.7
Washington County	263	185.3	158.9
Wicomico County	197	217.9	200.4
Worcester County	97	199.0	121.4

Table 7: Annual number of deaths from **coronary heart disease** by sex, race and age, Maryland, 2005

	Total*	Sex		Race		Age						
		Male	Female	White	African American	0-14 yrs	15-34 yrs	35-44 yrs	45-54 yrs	55-64 yrs	65-74 yrs	75+ yrs
<b>Maryland</b>	<b>8,518</b>	<b>4,217</b>	<b>4,301</b>	<b>6,325</b>	<b>2,064</b>	<b>1</b>	<b>20</b>	<b>127</b>	<b>492</b>	<b>944</b>	<b>1,347</b>	<b>5,583</b>
Allegany County	210	84	126	206	2	0	0	4	2	16	31	157
Anne Arundel County	659	346	313	569	87	0	2	7	44	74	115	417
Baltimore City	1,409	683	726	576	823	0	3	18	112	193	272	808
Baltimore County	1,530	722	808	1,317	194	0	4	18	79	137	205	1,087
Calvert County	127	65	62	108	19	0	0	6	7	14	17	83
Caroline County	62	35	27	51	11	0	0	1	4	7	13	37
Carroll County	265	134	131	261	4	0	1	6	9	21	41	187
Cecil County	139	73	66	131	8	0	0	8	12	12	28	79
Charles County	133	73	60	87	46	0	1	3	12	16	23	78
Dorchester County	101	52	49	84	17	0	0	0	1	12	21	67
Frederick County	287	151	136	267	19	0	1	6	18	31	47	184
Garrett County	78	38	40	78	0	0	1	0	3	8	12	54
Harford County	344	195	149	305	35	0	0	6	21	56	45	216
Howard County	251	119	132	203	35	0	0	3	7	24	38	179
Kent County	45	27	18	32	13	0	0	1	2	3	9	30
Montgomery County	986	462	524	821	107	0	1	10	50	68	117	739
Prince George's County	963	485	478	416	531	1	1	17	69	146	175	554
Queen Anne's County	73	46	27	63	10	0	1	0	6	8	11	47
St. Mary's County	136	70	66	119	17	0	1	4	6	16	22	87
Somerset County	75	38	37	60	15	0	1	3	2	6	9	54
Talbot County	88	43	45	74	14	0	1	1	0	10	11	65
Washington County	263	127	136	260	3	0	0	1	11	31	40	180
Wicomico County	197	95	102	160	35	0	1	4	12	25	33	122
Worcester County	97	54	43	77	19	0	0	0	3	10	12	72

\* Total includes individuals of other and unknown race and age.

Table 8: Annual number and rate of deaths from **congestive heart failure**, Maryland, 2005

	<b>Number</b>	<b>Crude rate per 100,000 population</b>	<b>Age-adjusted rate per 100,000 population</b>
<b>Maryland</b>	<b>706</b>	<b>12.6</b>	<b>12.9</b>
Allegany County	15	***	***
Anne Arundel County	63	12.3	15.1
Baltimore City	100	15.7	15.1
Baltimore County	134	17.0	12.9
Calvert County	8	***	***
Caroline County	5	***	***
Carroll County	31	18.4	19.6
Cecil County	9	***	***
Charles County	14	***	***
Dorchester County	6	***	***
Frederick County	30	13.6	16.9
Garrett County	3	***	***
Harford County	26	10.9	13.2
Howard County	18	***	***
Kent County	4	***	***
Montgomery County	105	11.3	10.5
Prince George's County	45	5.3	8.7
Queen Anne's County	3	***	***
St. Mary's County	11	***	***
Somerset County	2	***	***
Talbot County	4	***	***
Washington County	24	16.9	13.7
Wicomico County	30	33.2	29.2
Worcester County	16	***	***

\*\*\* Rates based on fewer than 20 events are not presented since such rates are subject to instability.

Table 9: Annual number of deaths from **congestive heart failure** by sex, race and age, Maryland, 2005

	Total*	Sex		Race		Age						
		Male	Female	White	African American	0-14 yrs	15-34 yrs	35-44 yrs	45-54 yrs	55-64 yrs	65-74 yrs	75+ yrs
<b>Maryland</b>	<b>706</b>	<b>283</b>	<b>423</b>	<b>570</b>	<b>131</b>	<b>0</b>	<b>1</b>	<b>6</b>	<b>15</b>	<b>35</b>	<b>70</b>	<b>579</b>
Allegany County	15	5	10	15	0	0	0	0	0	2	2	11
Anne Arundel County	63	24	39	52	10	0	0	1	2	2	9	49
Baltimore City	100	47	53	48	52	0	0	4	5	8	12	71
Baltimore County	134	56	78	124	10	0	0	0	2	6	15	111
Calvert County	8	2	6	8	0	0	0	0	0	1	1	6
Caroline County	5	2	3	5	0	0	0	0	0	1	0	4
Carroll County	31	16	15	30	1	0	0	0	1	2	1	27
Cecil County	9	2	7	8	1	0	0	0	0	0	1	8
Charles County	14	5	9	8	6	0	0	1	0	0	3	10
Dorchester County	6	1	5	5	1	0	0	0	0	0	1	5
Frederick County	30	11	19	29	1	0	0	0	0	0	2	28
Garrett County	3	1	2	3	0	0	0	0	0	0	0	3
Harford County	26	10	16	23	3	0	0	0	0	1	3	22
Howard County	18	6	12	15	3	0	0	0	0	2	2	14
Kent County	4	3	1	4	0	0	0	0	0	0	0	4
Montgomery County	105	35	70	90	11	0	1	0	0	5	4	95
Prince George's County	45	22	23	23	22	0	0	0	3	1	5	36
Queen Anne's County	3	1	2	2	1	0	0	0	0	0	0	3
St. Mary's County	11	6	5	11	0	0	0	0	1	0	1	9
Somerset County	2	0	2	0	2	0	0	0	0	0	0	2
Talbot County	4	3	1	3	1	0	0	0	0	0	1	3
Washington County	24	10	14	23	1	0	0	0	0	2	2	20
Wicomico County	30	7	23	25	5	0	0	0	1	1	1	27
Worcester County	16	8	8	16	0	0	0	0	0	1	4	11

\* Total includes individuals of other and unknown race.

Table 10: Annual number and rate of deaths from **cerebrovascular disease (stroke)**, Maryland, 2005

	<b>Number</b>	<b>Crude rate per 100,000 population</b>	<b>Age-adjusted rate per 100,000 population</b>
<b>Maryland</b>	<b>2,465</b>	<b>44.0</b>	<b>44.9</b>
Allegany County	68	92.3	56.6
Anne Arundel County	213	41.7	50.1
Baltimore City	327	51.4	48.6
Baltimore County	486	61.8	48.0
Calvert County	27	30.7	41.8
Caroline County	16	***	***
Carroll County	80	47.5	51.6
Cecil County	27	27.6	32.6
Charles County	47	33.9	51.1
Dorchester County	17	***	***
Frederick County	96	43.5	53.7
Garrett County	11	***	***
Harford County	106	44.3	52.9
Howard County	94	34.9	51.1
Kent County	12	***	***
Montgomery County	308	33.2	31.6
Prince George's County	261	30.8	44.5
Queen Anne's County	23	50.4	48.7
St. Mary's County	49	50.8	65.4
Somerset County	8	***	***
Talbot County	38	106.5	56.3
Washington County	83	58.5	49.0
Wicomico County	39	43.1	39.9
Worcester County	29	59.5	36.3

\*\*\* Rates based on fewer than 20 events are not presented since such rates are subject to instability.

Table 11: Annual number of deaths from **cerebrovascular disease (stroke)** by sex, race and age, Maryland, 2005

	Total*	Sex		Race		Age						
		Male	Female	White	African American	0-14 yrs	15-34 yrs	35-44 yrs	45-54 yrs	55-64 yrs	65-74 yrs	75+ yrs
<b>Maryland</b>	<b>2,465</b>	<b>971</b>	<b>1,494</b>	<b>1,803</b>	<b>611</b>	<b>7</b>	<b>10</b>	<b>49</b>	<b>111</b>	<b>212</b>	<b>286</b>	<b>1,790</b>
Allegany County	68	26	42	67	1	0	0	1	1	4	3	59
Anne Arundel County	213	87	126	176	33	2	0	3	10	13	31	154
Baltimore City	327	133	194	118	207	1	1	14	27	43	40	201
Baltimore County	486	176	310	416	68	0	1	5	16	34	55	375
Calvert County	27	10	17	23	4	0	0	1	0	1	4	21
Caroline County	16	10	6	14	2	0	0	0	1	4	2	9
Carroll County	80	31	49	80	0	0	0	0	1	2	8	69
Cecil County	27	13	14	27	0	0	0	0	0	3	3	21
Charles County	47	25	22	33	13	0	0	4	1	6	8	28
Dorchester County	17	9	8	10	7	0	1	0	1	1	6	8
Frederick County	96	32	64	91	5	0	0	1	3	3	14	75
Garrett County	11	6	5	11	0	0	0	0	0	0	3	8
Harford County	106	31	75	97	8	0	0	1	5	6	5	89
Howard County	94	33	61	70	16	0	1	5	4	10	4	70
Kent County	12	8	4	11	1	0	0	0	0	0	1	11
Montgomery County	308	122	186	234	51	2	1	4	7	20	25	249
Prince George's County	261	106	155	102	150	2	4	9	18	40	44	144
Queen Anne's County	23	10	13	20	3	0	0	0	1	2	1	19
St. Mary's County	49	19	30	37	11	0	0	0	4	7	8	30
Somerset County	8	5	3	5	3	0	0	0	1	0	0	7
Talbot County	38	15	23	32	6	0	0	0	2	1	4	31
Washington County	83	26	57	82	1	0	0	0	3	4	8	68
Wicomico County	39	23	16	24	15	0	1	1	3	7	5	22
Worcester County	29	15	14	23	6	0	0	0	2	1	4	22

\* Total includes individuals of other and unknown race.

Ambulatory Care Visits  
(Including Emergency Department and Hospital  
Based Clinic Visits)

Table 12: Annual number and rate of ambulatory care visits\* for a primary diagnosis of **acute myocardial infarction**, Maryland, 2005

	<b>Number</b>	<b>Crude rate per 100,000 population</b>	<b>Age-adjusted rate per 100,000 population</b>
<b>Maryland**</b>	<b>1,794</b>	<b>32.0</b>	<b>31.6</b>
Allegany County	34	46.2	37.7
Anne Arundel County	123	24.1	24.5
Baltimore City	186	29.3	28.8
Baltimore County	217	27.6	24.2
Calvert County	73	83.0	93.3
Caroline County	7	***	***
Carroll County	113	67.0	65.4
Cecil County	59	60.3	61.0
Charles County	51	36.7	44.7
Dorchester County	18	***	***
Frederick County	107	48.5	49.8
Garrett County	11	***	***
Harford County	208	86.9	87.8
Howard County	63	23.4	26.1
Kent County	7	***	***
Montgomery County	125	13.5	12.7
Prince George's County	118	13.9	17.8
Queen Anne's County	#	***	***
St. Mary's County	83	86.0	96.7
Somerset County	9	***	***
Talbot County	12	***	***
Washington County	132	93.0	85.9
Wicomico County	#	***	***
Worcester County	25	51.3	36.6

\* One patient may account for multiple ambulatory care visits.

\*\* Includes Maryland residents from unknown jurisdictions.

\*\*\* Rates based on fewer than 20 events are not presented since such rates are subject to instability.

# Cell sizes less than 6 are not displayed to ensure patient confidentiality.

Table 13: Annual number of ambulatory care visits\* for a primary diagnosis of **acute myocardial infarction** by sex, race and age, Maryland, 2005

	Total <sup>†</sup>	Sex		Race		Age						
		Male	Female	White	African American	0-14 yrs	15-34 yrs	35-44 yrs	45-54 yrs	55-64 yrs	65-74 yrs	75+ yrs
<b>Maryland**</b>	<b>1,794</b>	<b>1,153</b>	<b>641</b>	<b>1,392</b>	<b>329</b>	<b>#</b>	<b>19</b>	<b>132</b>	<b>377</b>	<b>415</b>	<b>376</b>	<b>474</b>
Allegany County	34	23	11	34	0	0	0	#	#	8	10	8
Anne Arundel County	123	81	42	105	14	0	#	9	26	27	34	24
Baltimore City	186	100	86	70	110	0	#	18	24	46	39	56
Baltimore County	217	137	80	178	30	0	#	19	42	48	43	64
Calvert County	73	45	28	58	11	0	#	#	14	19	12	23
Caroline County	7	#	#	6	#	0	0	0	#	0	0	#
Carroll County	113	78	35	107	#	0	#	9	21	33	22	27
Cecil County	59	40	19	55	#	0	#	6	17	14	8	13
Charles County	51	34	17	33	15	#	0	6	18	6	6	14
Dorchester County	18	9	9	13	#	0	0	#	#	#	#	6
Frederick County	107	70	37	99	6	0	0	6	36	29	19	17
Garrett County	11	7	#	11	0	0	#	0	#	#	#	#
Harford County	208	146	62	188	12	0	#	18	46	44	53	46
Howard County	63	44	19	50	8	0	0	7	18	11	14	13
Kent County	7	#	#	#	#	0	0	0	0	#	#	#
Montgomery County	125	79	46	84	21	0	0	#	16	33	20	55
Prince George's County	118	69	49	44	67	0	#	7	23	21	30	36
Queen Anne's County	#	#	0	#	#	0	0	0	#	0	#	0
St. Mary's County	83	58	25	70	11	0	0	7	12	28	17	19
Somerset County	9	8	#	7	#	0	0	#	#	#	#	#
Talbot County	12	9	#	12	0	0	0	0	#	#	#	#
Washington County	132	86	46	130	#	0	#	9	31	32	24	31
Wicomico County	#	#	#	#	0	0	#	0	0	#	#	0
Worcester County	25	14	11	23	#	0	0	#	6	#	7	7

\* One patient may account for multiple ambulatory care visits.

\*\* Includes Maryland residents from unknown jurisdictions.

† Includes individuals of other and unknown race and age.

# Cell sizes less than 6 are not displayed to ensure patient confidentiality.

Table 14: Annual number and rate of ambulatory care visits\* for a primary diagnosis of **congestive heart failure**, Maryland, 2005

	<b>Number</b>	<b>Crude rate per 100,000 population</b>	<b>Age-adjusted rate per 100,000 population</b>
<b>Maryland**</b>	<b>4,058</b>	<b>72.5</b>	<b>72.7</b>
Allegany County	66	89.6	64.4
Anne Arundel County	225	44	47.9
Baltimore City	1,059	166.6	167.5
Baltimore County	1,118	142.2	122.7
Calvert County	48	54.6	69.4
Caroline County	23	72.3	66.5
Carroll County	71	42.1	43.9
Cecil County	20	20.5	23.2
Charles County	60	43.2	55.7
Dorchester County	29	92.4	71.6
Frederick County	50	22.7	27
Garrett County	35	117	95.4
Harford County	128	53.5	56.8
Howard County	93	34.5	43.7
Kent County	15	***	***
Montgomery County	213	23	22.3
Prince George's County	348	41.1	48.6
Queen Anne's County	39	85.5	79
St. Mary's County	24	24.9	29.6
Somerset County	89	344.4	320.1
Talbot County	29	81.3	51.1
Washington County	69	48.6	43.5
Wicomico County	73	80.8	77.8
Worcester County	116	237.9	154.3

\* One patient may account for multiple ambulatory care visits.

\*\* Includes Maryland residents from unknown jurisdictions.

\*\*\* Rates based on fewer than 20 events are not presented since such rates are subject to instability.

Table 15: Annual number of ambulatory care visits\* for a primary diagnosis of **congestive heart failure** by sex, race and age, Maryland, 2005

	Total <sup>†</sup>	Sex		Race		Age						
		Male	Female	White	African American	0-14 yrs	15-34 yrs	35-44 yrs	45-54 yrs	55-64 yrs	65-74 yrs	75+ yrs
<b>Maryland**</b>	<b>4,058</b>	<b>2,041</b>	<b>2,017</b>	<b>2,298</b>	<b>1,627</b>	<b>10</b>	<b>97</b>	<b>260</b>	<b>515</b>	<b>842</b>	<b>933</b>	<b>1,401</b>
Allegany County	66	36	30	64	#	0	#	#	#	8	18	35
Anne Arundel County	225	131	94	170	48	0	#	12	22	46	42	102
Baltimore City	1,059	537	522	340	710	#	37	106	159	240	279	237
Baltimore County	1,118	545	573	765	327	0	18	48	135	249	275	393
Calvert County	48	24	24	40	8	#	0	#	#	#	11	26
Caroline County	23	9	14	18	#	0	0	#	#	8	8	#
Carroll County	71	36	35	66	#	0	0	#	8	9	11	39
Cecil County	20	9	11	19	#	0	0	#	0	#	#	10
Charles County	60	36	24	32	26	0	0	8	9	12	12	19
Dorchester County	29	15	14	17	12	0	0	#	#	#	7	11
Frederick County	50	27	23	45	#	0	#	#	#	8	8	29
Garrett County	35	20	15	33	#	0	0	0	6	0	12	17
Harford County	128	70	58	108	20	0	#	6	8	33	26	53
Howard County	93	45	48	54	28	#	#	10	9	11	31	29
Kent County	15	8	7	7	8	0	0	0	#	#	#	7
Montgomery County	213	89	124	115	49	#	10	#	22	30	31	114
Prince George's County	348	163	185	76	250	#	18	29	70	90	62	78
Queen Anne's County	39	28	11	28	11	0	#	6	#	10	#	18
St. Mary's County	24	14	10	15	9	0	0	#	#	#	#	9
Somerset County	89	53	36	64	25	0	#	#	13	17	16	40
Talbot County	29	18	11	15	14	0	0	0	6	#	#	16
Washington County	69	39	30	63	6	0	0	#	7	14	16	31
Wicomico County	73	32	41	43	27	#	#	7	8	12	13	27
Worcester County	116	46	70	95	20	0	0	#	6	17	34	54

\* One patient may account for multiple ambulatory care visits.

\*\* Includes Maryland residents from unknown jurisdictions.

† Includes individuals of other and unknown sex and race.

# Cell sizes less than 6 are not displayed to ensure patient confidentiality.

Table 16: Annual number and rate of ambulatory care visits\* for a primary diagnosis of **cerebrovascular accident (stroke)**, Maryland, 2005

	<b>Number</b>	<b>Crude rate per 100,000 population</b>	<b>Age-adjusted rate per 100,000 population</b>
<b>Maryland**</b>	<b>3,126</b>	<b>55.8</b>	<b>55.3</b>
Allegany County	30	40.7	34.4
Anne Arundel County	175	34.3	36.3
Baltimore City	845	132.9	130.6
Baltimore County	716	91.1	81.3
Calvert County	48	54.6	64.8
Caroline County	11	***	***
Carroll County	115	68.2	67.6
Cecil County	38	38.9	40.2
Charles County	52	37.5	46.2
Dorchester County	24	76.4	61
Frederick County	31	14	15.9
Garrett County	13	***	***
Harford County	139	58.1	61.2
Howard County	104	38.6	44.5
Kent County	18	***	***
Montgomery County	202	21.8	21.3
Prince George's County	313	37	44.7
Queen Anne's County	15	***	***
St. Mary's County	41	42.5	47.4
Somerset County	45	174.1	166
Talbot County	27	75.7	58.8
Washington County	31	21.8	20.4
Wicomico County	26	28.8	27.6
Worcester County	38	77.9	55.2

\* One patient may account for multiple ambulatory care visits.

\*\* Includes Maryland residents from unknown jurisdictions.

\*\*\* Rates based on fewer than 20 events are not presented since such rates are subject to instability.

Table 17: Annual number of ambulatory care visits\* for **cerebrovascular accident (stroke)**, Maryland, 2005

	Total <sup>†</sup>	Sex		Race		Age						
		Male	Female	White	African American	0-14 yrs	15-34 yrs	35-44 yrs	45-54 yrs	55-64 yrs	65-74 yrs	75+ yrs
<b>Maryland**</b>	<b>3,126</b>	<b>1,563</b>	<b>1,563</b>	<b>1,660</b>	<b>1,302</b>	<b>25</b>	<b>127</b>	<b>288</b>	<b>531</b>	<b>725</b>	<b>641</b>	<b>789</b>
Allegany County	30	17	13	28	#	0	#	#	#	7	8	6
Anne Arundel County	175	74	101	139	23	#	15	12	27	28	39	50
Baltimore City	845	446	399	156	676	#	11	93	184	269	126	160
Baltimore County	716	332	384	513	178	#	23	52	87	156	193	201
Calvert County	48	23	25	39	7	#	#	7	6	#	11	17
Caroline County	11	6	#	10	#	0	0	0	#	#	#	#
Carroll County	115	69	46	111	#	0	#	9	22	22	11	47
Cecil County	38	16	22	34	#	0	#	#	6	9	9	8
Charles County	52	27	25	34	15	0	#	#	12	6	15	10
Dorchester County	24	13	11	18	6	#	0	#	#	9	#	#
Frederick County	31	13	18	23	7	0	#	#	#	#	8	10
Garrett County	13	#	10	13	0	0	#	#	#	0	#	#
Harford County	139	78	61	116	20	#	10	14	14	24	36	39
Howard County	104	50	54	67	23	#	8	9	17	23	21	25
Kent County	18	15	#	17	#	0	#	#	#	#	#	8
Montgomery County	202	94	108	87	59	#	17	30	41	30	32	48
Prince George's County	313	155	158	73	214	#	14	27	63	72	56	80
Queen Anne's County	15	#	11	13	#	0	0	#	#	#	6	#
St. Mary's County	41	19	22	29	10	#	#	#	8	11	#	11
Somerset County	45	31	14	32	13	0	#	#	#	#	19	12
Talbot County	27	11	16	24	#	#	#	#	#	#	#	11
Washington County	31	15	16	27	#	#	#	#	7	#	#	8
Wicomico County	26	14	12	14	11	0	#	#	6	#	#	7
Worcester County	38	25	13	25	12	#	#	0	#	12	9	11

\* One patient may account for multiple ambulatory care visits.

\*\* Includes Maryland residents from unknown jurisdictions.

† Includes individuals of unknown sex, race, and age.

# Cell sizes less than 6 are not displayed to ensure patient confidentiality.

# Hospital Discharges

Table 18: Annual number and rate of hospital discharges\* for a primary diagnosis of **acute myocardial infarction**, Maryland, 2005

	<b>Number</b>	<b>Crude rate per 100,000 population</b>	<b>Age-adjusted rate per 100,000 population</b>
<b>Maryland**</b>	<b>10,840</b>	<b>193.6</b>	<b>192.9</b>
Allegany County	224	304.2	231.5
Anne Arundel County	1,090	213.4	224.2
Baltimore City	1,576	247.9	243.2
Baltimore County	2,320	295.1	250.1
Calvert County	98	111.5	129.9
Caroline County	102	320.5	301.3
Carroll County	483	286.6	290.8
Cecil County	214	218.8	231.8
Charles County	145	104.5	126.6
Dorchester County	84	267.5	200.9
Frederick County	235	106.5	121
Garrett County	58	193.9	151.4
Harford County	669	279.6	287.6
Howard County	330	122.5	149.9
Kent County	32	160.8	106.5
Montgomery County	1,072	115.6	110.2
Prince George's County	1,006	118.9	149.4
Queen Anne's County	79	173.2	152.9
St. Mary's County	98	101.5	120.5
Somerset County	62	239.9	232.1
Talbot County	138	386.7	265.1
Washington County	355	250.2	226.4
Wicomico County	185	204.6	193
Worcester County	136	279	185.7

\* One patient may account for multiple hospital discharges.

\*\* Includes Maryland residents from unknown jurisdictions.

Table 19: Annual number of hospital discharges\* for a primary diagnosis of **acute myocardial infarction** by sex, race and age, Maryland, 2005

	Total <sup>†</sup>	Sex		Race		Age						
		Male	Female	White	African American	0-14 yrs	15-34 yrs	35-44 yrs	45-54 yrs	55-64 yrs	65-74 yrs	75+ yrs
<b>Maryland**</b>	<b>10,840</b>	<b>6,222</b>	<b>4,618</b>	<b>7,987</b>	<b>2,225</b>	#	<b>80</b>	<b>518</b>	<b>1,692</b>	<b>2,270</b>	<b>2,158</b>	<b>4,121</b>
Allegany County	224	120	104	216	7	0	#	9	27	35	57	93
Anne Arundel County	1,090	678	412	961	93	0	12	55	165	245	241	372
Baltimore City	1,576	813	763	722	813	0	14	78	285	346	328	525
Baltimore County	2,320	1,299	1,021	1,909	313	0	14	93	351	413	447	1,002
Calvert County	98	54	44	78	15	0	0	#	11	26	17	42
Caroline County	102	64	38	85	13	0	0	12	20	19	21	30
Carroll County	483	303	180	453	14	0	#	20	62	101	86	212
Cecil County	214	128	86	201	12	0	#	12	29	57	43	71
Charles County	145	87	58	99	44	0	#	10	34	39	22	37
Dorchester County	84	54	30	66	16	0	0	0	14	12	25	33
Frederick County	235	131	104	209	13	0	#	13	33	40	33	115
Garrett County	58	35	23	58	0	0	0	#	#	16	11	26
Harford County	669	410	259	591	57	0	9	31	128	148	151	202
Howard County	330	222	108	244	45	0	0	22	51	75	59	123
Kent County	32	14	18	27	#	0	0	#	#	#	#	21
Montgomery County	1,072	609	463	762	130	#	6	43	116	222	183	501
Prince George's County	1,006	561	445	402	519	0	6	59	180	230	236	295
Queen Anne's County	79	56	23	75	#	0	0	6	12	24	14	23
St. Mary's County	98	48	50	81	16	0	#	#	18	21	17	38
Somerset County	62	37	25	49	13	0	0	#	16	8	12	22
Talbot County	138	90	48	120	14	0	0	#	31	24	21	58
Washington County	355	207	148	295	#	0	#	16	54	86	64	130
Wicomico County	185	98	87	139	42	0	#	13	22	48	30	70
Worcester County	136	75	61	112	20	0	0	6	14	22	27	67

\* One patient may account for multiple hospital discharges.

\*\* Includes Maryland residents from unknown jurisdictions.

† Includes individuals of unknown sex, race, and age.

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Table 20: Annual number of hospital discharges\* for a primary diagnosis of **acute myocardial infarction** by length of stay and hospital costs, Maryland, 2005

	Length of stay		Cost	
	Total no. of days	Average no. of days	Total cost	Average cost
<b>Maryland**</b>	<b>48,473</b>	<b>4.47</b>	<b>\$176,298,719</b>	<b>\$16,264</b>
Allegany County	1,251	5.58	\$3,797,319	\$16,952
Anne Arundel County	4,366	4.01	\$17,424,165	\$15,985
Baltimore City	7,856	4.98	\$30,802,565	\$19,545
Baltimore County	10,246	4.42	\$37,429,961	\$16,134
Calvert County	375	3.83	\$970,414	\$9,902
Caroline County	437	4.28	\$1,703,490	\$16,701
Carroll County	2,057	4.26	\$7,081,155	\$14,661
Cecil County	653	3.05	\$1,982,926	\$9,266
Charles County	499	3.44	\$1,400,373	\$9,658
Dorchester County	371	4.42	\$1,193,059	\$14,203
Frederick County	870	3.7	\$2,187,026	\$9,306
Garrett County	271	4.67	\$648,159	\$11,175
Harford County	2,486	3.72	\$9,363,375	\$13,996
Howard County	1,387	4.2	\$5,782,878	\$17,524
Kent County	126	3.94	\$389,878	\$12,184
Montgomery County	4,613	4.3	\$15,380,122	\$14,347
Prince George's County	5,066	5.04	\$20,084,164	\$19,964
Queen Anne's County	220	2.78	\$892,522	\$11,298
St. Mary's County	290	2.96	\$715,049	\$7,296
Somerset County	343	5.53	\$1,187,483	\$19,153
Talbot County	545	3.95	\$1,976,472	\$14,322
Washington County	1,970	5.55	\$6,418,199	\$18,079
Wicomico County	1,089	5.89	\$3,562,140	\$19,255
Worcester County	879	6.46	\$2,818,772	\$20,726

\* One patient may account for multiple hospital discharges.

\*\* Includes Maryland residents from unknown jurisdictions.

Table 21: Annual number and rate of hospital discharges\* for a primary diagnosis of **congestive heart failure**, Maryland, 2005

	<b>Number</b>	<b>Crude rate per 100,000 population</b>	<b>Age-adjusted rate per 100,000 population</b>
<b>Maryland**</b>	<b>17,505</b>	<b>312.6</b>	<b>317.1</b>
Allegany County	80	108.6	79.2
Anne Arundel County	1,235	241.7	268.1
Baltimore City	3,982	626.3	617.4
Baltimore County	3,328	423.3	351.7
Calvert County	188	213.8	265.9
Caroline County	106	333.1	310.8
Carroll County	522	309.7	332.3
Cecil County	252	257.7	288
Charles County	359	258.6	364.9
Dorchester County	146	465	346.5
Frederick County	482	218.4	261.1
Garrett County	53	177.2	140
Harford County	609	254.5	277.2
Howard County	379	140.7	193.3
Kent County	112	562.8	375.8
Montgomery County	1,386	149.4	146.9
Prince George's County	2,297	271.5	348.4
Queen Anne's County	117	256.5	245.6
St. Mary's County	288	298.4	372
Somerset County	174	673.2	628.9
Talbot County	160	448.4	278.4
Washington County	429	302.3	268.9
Wicomico County	482	533.2	503
Worcester County	311	637.9	412.5

\* One patient may account for multiple hospital discharges.

\*\* Includes Maryland residents from unknown jurisdictions.

Table 22: Annual number of hospital discharges\* for a primary diagnosis of **congestive heart failure** by sex, race and age, Maryland, 2005

	Total <sup>†</sup>	Sex		Race		Age						
		Male	Female	White	African American	0-14 yrs	15-34 yrs	35-44 yrs	45-54 yrs	55-64 yrs	65-74 yrs	75+ yrs
<b>Maryland**</b>	<b>17,505</b>	<b>8,603</b>	<b>8,902</b>	<b>10,165</b>	<b>6,893</b>	#	263	778	1,794	2,948	3,689	8,030
Allegany County	80	38	42	73	6	0	#	#	#	12	14	43
Anne Arundel County	1,235	696	539	961	251	0	7	57	106	204	270	591
Baltimore City	3,982	1,978	2,004	1,089	2,867	#	93	264	633	824	834	1,331
Baltimore County	3,328	1,669	1,659	2,441	821	0	35	102	258	474	647	1,812
Calvert County	188	78	110	146	41	0	0	7	17	30	36	98
Caroline County	106	47	59	85	21	0	0	#	6	15	29	51
Carroll County	522	256	266	484	29	0	10	6	16	69	113	308
Cecil County	252	106	146	227	25	0	0	#	26	38	69	114
Charles County	359	151	208	241	115	0	#	21	27	62	100	148
Dorchester County	146	67	79	84	61	0	#	#	13	29	30	67
Frederick County	482	245	237	433	41	0	#	9	28	66	81	296
Garrett County	53	22	31	53	0	0	0	#	0	7	8	36
Harford County	609	285	324	516	78	0	6	16	45	115	146	281
Howard County	379	201	178	272	82	0	6	14	21	57	78	203
Kent County	112	46	66	81	30	0	0	#	10	16	16	68
Montgomery County	1,386	657	729	871	343	0	20	38	90	157	232	849
Prince George's County	2,297	1,091	1,206	569	1,654	0	54	155	336	469	548	735
Queen Anne's County	117	61	56	103	14	0	#	#	9	11	26	66
St. Mary's County	288	145	143	222	61	0	#	16	23	42	71	133
Somerset County	174	85	89	117	57	0	#	#	19	22	39	87
Talbot County	160	64	96	118	38	0	#	#	14	17	25	97
Washington County	429	218	211	404	22	0	9	#	20	84	99	213
Wicomico County	482	225	257	335	140	0	#	22	42	76	96	245
Worcester County	311	159	152	229	81	0	0	12	21	46	78	154

\* One patient may account for multiple hospital discharges.

\*\* Includes Maryland residents from unknown jurisdictions.

† Includes individuals of unknown sex, race, and age.

# Cell sizes less than 6 are not displayed to ensure patient confidentiality.

Table 23: Annual number of hospital discharges\* for a primary diagnosis of **congestive heart failure** by length of stay and hospital cost, Maryland, 2005

	Length of stay		Cost	
	Total no. of days	Average no. of days	Total cost	Average cost
<b>Maryland**</b>	<b>85,743</b>	<b>4.9</b>	<b>\$195,331,950</b>	<b>\$11,159</b>
Allegany County	448	5.6	\$844,486	\$10,556
Anne Arundel County	5,475	4.43	\$12,373,631	\$10,019
Baltimore City	20,205	5.07	\$48,889,506	\$12,278
Baltimore County	16,092	4.84	\$37,550,593	\$11,283
Calvert County	948	5.04	\$1,686,379	\$8,970
Caroline County	519	4.9	\$1,740,730	\$16,422
Carroll County	2,621	5.02	\$6,832,253	\$13,089
Cecil County	1,158	4.6	\$2,430,106	\$9,643
Charles County	1,658	4.62	\$2,560,771	\$7,133
Dorchester County	629	4.31	\$1,262,602	\$8,648
Frederick County	2,270	4.71	\$4,655,138	\$9,658
Garrett County	218	4.11	\$328,625	\$6,200
Harford County	3,019	4.96	\$7,077,031	\$11,621
Howard County	1,858	4.9	\$4,504,675	\$11,886
Kent County	631	5.63	\$977,526	\$8,728
Montgomery County	6,817	4.92	\$15,520,376	\$11,198
Prince George's County	10,900	4.75	\$25,112,021	\$10,933
Queen Anne's County	540	4.62	\$1,261,390	\$10,781
St. Mary's County	1,287	4.47	\$2,365,396	\$8,213
Somerset County	948	5.45	\$2,159,399	\$12,410
Talbot County	635	3.97	\$1,381,887	\$8,637
Washington County	1,972	4.6	\$3,794,353	\$8,845
Wicomico County	3,107	6.45	\$5,797,454	\$12,028
Worcester County	1,667	5.36	\$3,751,906	\$12,064

\* One patient may account for multiple hospital discharges.

\*\* Includes Maryland residents from unknown jurisdictions.

Table 24: Annual number and rate of hospital discharges\* for a primary diagnosis of cerebrovascular accident (stroke), Maryland, 2005

	<b>Number</b>	<b>Crude rate per 100,000 population</b>	<b>Age-adjusted rate per 100,000 population</b>
<b>Maryland**</b>	<b>13,423</b>	<b>239.7</b>	<b>243.6</b>
Allegany County	311	422.3	300.4
Anne Arundel County	1,270	248.6	274.4
Baltimore City	2,431	382.3	379.3
Baltimore County	2,525	321.2	273.1
Calvert County	163	185.4	226.7
Caroline County	91	286	268.6
Carroll County	441	261.7	273.8
Cecil County	184	188.1	208.2
Charles County	180	129.7	176.5
Dorchester County	121	385.3	283.2
Frederick County	357	161.8	189.7
Garrett County	34	113.7	88.1
Harford County	607	253.7	273.9
Howard County	387	143.6	186.5
Kent County	71	356.8	232.7
Montgomery County	1,448	156.1	153.5
Prince George's County	1,293	152.8	200.7
Queen Anne's County	118	258.7	236.7
St. Mary's County	151	156.4	193.2
Somerset County	100	386.9	361.8
Talbot County	129	361.5	237.5
Washington County	373	262.9	237.8
Wicomico County	340	376.1	357.5
Worcester County	266	545.6	350.1

\* One patient may account for multiple hospital discharges.

\*\* Includes Maryland residents from unknown jurisdictions.

Table 25: Annual number of hospital discharges\* for a primary diagnosis of **cerebrovascular accident (stroke)** by sex, race and age, Maryland, 2005

	Total <sup>†</sup>	Sex		Race		Age						
		Male	Female	White	African American	0-14 yrs	15-34 yrs	35-44 yrs	45-54 yrs	55-64 yrs	65-74 yrs	75+ yrs
<b>Maryland**</b>	<b>13,423</b>	<b>6,350</b>	<b>7,073</b>	<b>8,698</b>	<b>4,125</b>	<b>26</b>	<b>164</b>	<b>548</b>	<b>1,416</b>	<b>2,376</b>	<b>3,100</b>	<b>5,793</b>
Allegany County	311	152	159	301	10	#	#	7	15	39	61	184
Anne Arundel County	1,270	613	657	1,049	187	0	10	48	104	217	326	565
Baltimore City	2,431	1,071	1,360	695	1,683	13	31	171	370	507	537	802
Baltimore County	2,525	1,170	1,355	1,935	525	#	33	92	238	405	575	1,178
Calvert County	163	81	82	128	30	0	#	9	16	26	39	71
Caroline County	91	43	48	74	15	0	0	#	11	19	25	32
Carroll County	441	213	228	410	13	#	8	19	36	74	95	207
Cecil County	184	94	90	168	13	0	#	7	11	36	45	84
Charles County	180	82	98	121	54	0	#	#	18	43	50	64
Dorchester County	121	63	58	88	30	0	0	#	10	20	35	55
Frederick County	357	173	184	320	27	0	#	9	32	59	88	167
Garrett County	34	10	24	34	0	0	0	0	0	6	8	20
Harford County	607	304	303	539	57	#	12	16	53	119	140	265
Howard County	387	189	198	270	80	#	8	14	40	78	69	177
Kent County	71	36	35	62	9	0	0	#	#	15	13	40
Montgomery County	1,448	693	755	936	279	#	10	43	133	205	270	786
Prince George's County	1,293	606	687	359	839	0	24	62	170	246	344	447
Queen Anne's County	118	58	60	100	17	0	0	6	9	27	26	50
St. Mary's County	151	61	90	116	29	0	0	#	18	26	38	66
Somerset County	100	50	50	69	30	0	#	#	12	17	28	39
Talbot County	129	72	57	101	26	0	0	8	14	18	25	64
Washington County	373	177	196	347	17	#	#	11	35	61	99	163
Wicomico County	340	165	175	252	83	0	7	6	46	63	86	132
Worcester County	266	157	109	204	60	#	#	#	15	43	68	131

\* One patient may account for multiple hospital discharges.

\*\* Includes Maryland residents from unknown jurisdictions.

<sup>†</sup> Includes individuals of unknown sex, race, and age.

# Cell sizes less than 6 are not displayed to ensure patient confidentiality.

Table 26: Annual number of hospital discharges\* for a primary diagnosis of **cerebrovascular accident (stroke)** by length of stay and hospital cost, Maryland, 2005

	Length of stay		Cost	
	Total no. of days	Average no. of days	Total cost	Average cost
<b>Maryland**</b>	<b>68,804</b>	<b>5.13</b>	<b>\$162,356,636</b>	<b>\$12,095</b>
Allegany County	1,687	5.42	\$3,094,211	\$9,949
Anne Arundel County	5,068	3.99	\$13,103,834	\$10,318
Baltimore City	13,534	5.57	\$35,548,045	\$14,623
Baltimore County	12,017	4.76	\$31,630,238	\$12,527
Calvert County	667	4.09	\$1,314,506	\$8,064
Caroline County	419	4.6	\$1,180,752	\$12,975
Carroll County	1,954	4.43	\$4,940,602	\$11,203
Cecil County	741	4.03	\$1,704,267	\$9,262
Charles County	926	5.14	\$1,790,316	\$9,946
Dorchester County	710	5.87	\$1,435,520	\$11,864
Frederick County	1,789	5.01	\$3,866,309	\$10,830
Garrett County	165	4.85	\$316,506	\$9,309
Harford County	2,481	4.09	\$5,831,126	\$9,606
Howard County	2,036	5.26	\$5,592,381	\$14,451
Kent County	311	4.38	\$705,645	\$9,939
Montgomery County	8,339	5.76	\$17,176,964	\$11,863
Prince George's County	6,986	5.4	\$15,173,907	\$11,735
Queen Anne's County	614	5.2	\$1,595,237	\$13,519
St. Mary's County	577	3.82	\$1,242,799	\$8,230
Somerset County	790	7.9	\$1,400,085	\$14,001
Talbot County	506	3.92	\$1,259,860	\$9,766
Washington County	1,603	4.3	\$3,531,766	\$9,469
Wicomico County	2,729	8.03	\$4,340,799	\$12,767
Worcester County	1,961	7.37	\$3,872,191	\$14,557

\* One patient may account for multiple hospital discharges.

\*\* Includes Maryland residents from unknown jurisdictions.

Cardiovascular Disease Risk Factors  
(Behavioral Risk Factor Surveillance System  
Data)

Table 27: Adults who had their **blood cholesterol** checked in the last 2 years, Maryland, 2005

	Total		Yes		No		Never Checked	
	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage
<b>Maryland</b>	<b>4,072,762</b>	<b>100.0</b>	<b>2,960,791</b>	<b>72.7</b>	<b>426,340</b>	<b>10.5</b>	<b>685,632</b>	<b>16.8</b>
Baltimore City	480,281	100.0	328,914	71	40,804	8.8	93,553	20.2
Baltimore Region	1,478,494	100.0	1,047,753	73.3	154,522	10.8	227,916	15.9
Montgomery County	723,820	100.0	496,271	71.8	89,319	12.9	105,459	15.3
Prince George's County	605,043	100.0	444,224	75.5	42,597	7.2	101,401	17.2
Eastern Shore	333,770	100.0	232,528	71.4	34,511	10.6	58,535	18
Northwest Region	354,158	100.0	241,086	70.4	39,268	11.5	61,938	18.1
Southern Region	236,571	100.0	170,013	73.2	25,319	10.9	36,830	15.9

Table 28: Percentage of adults who had their **blood cholesterol** checked in the last 2 years by sex, race and age, Maryland, 2005

	Total*	Sex		Race		Age			
		Male	Female	White	African American	18-34 yrs	35-49 yrs	50-64 yrs	65+yrs
<b>Maryland</b>	<b>72.7</b>	<b>69.7</b>	<b>75.4</b>	<b>73.3</b>	<b>74.8</b>	<b>51.0</b>	<b>72.1</b>	<b>86.9</b>	<b>91.7</b>
Baltimore City	71	67.3	74.2	67.8	72.5	51	72.8	81.3	92.6
Baltimore Region	73.3	70.3	76	75	74	46.4	74.1	88.2	92.4
Montgomery County	71.8	70.1	73.4	73	71.5	48.1	69.9	86.8	91.3
Prince George's County	75.5	70.5	79.7	72.3	80.3	66.6	71.7	88.4	86.8
Eastern Shore	71.4	69	73.6	74.3	60	45.4	68.4	86.9	94.6
Northwest Region	70.4	67.1	73.4	71.1	.	46.3	69.5	85.8	91.5
Southern Region	73.2	73	73.5	72.6	72.3	54.9	74.3	87.4	91.6

\* Total includes individuals of other race.

\*\* Sample sizes less than 50 are statistically unstable. Therefore, data are not displayed.

Table 29: Adults who were told by a health professional of having **high blood pressure**, Maryland, 2005

	Total		Yes		No	
	Number	Percentage	Number	Percentage	Number	Percentage
<b>Maryland</b>	<b>4,206,848</b>	<b>100.0</b>	<b>1,095,290</b>	<b>26.0</b>	<b>3,014,363</b>	<b>71.7</b>
Baltimore City	479,290	100.0	143,947	30	325,852	68
Baltimore Region	1,477,379	100.0	391,164	26.5	1,051,530	71.2
Montgomery County	721,524	100.0	156,973	21.8	549,926	76.2
Prince George's County	605,043	100.0	146,850	24.3	440,802	72.9
Eastern Shore	333,770	100.0	101,763	30.5	222,623	66.7
Northwest Region	353,272	100.0	92,480	26.2	252,347	71.4
Southern Region	236,571	100.0	62,114	26.3	171,282	72.4

Excludes those who reported "borderline" and gestational diabetes.

Table 30: Percentage of adults who were told by a health professional of having **high blood pressure**, by sex, race, and age, Maryland, 2005

	Total*	Sex		Race		Age			
		Male	Female	White	African American	18-34 yrs	35-49 yrs	50-64 yrs	65+yrs
<b>Maryland</b>	<b>26.0</b>	<b>27.6</b>	<b>24.7</b>	<b>26.4</b>	<b>28.5</b>	<b>7.1</b>	<b>18.6</b>	<b>41.1</b>	<b>54.2</b>
Baltimore City	30	29.5	30.5	26.2	34.2	10.5	21.3	50.9	57.2
Baltimore Region	26.5	28.7	24.4	27.4	28	6	18.9	40.9	54.6
Montgomery County	21.8	24	19.6	23.1	21.9	5.2	12.4	34.5	50.4
Prince George's County	24.3	23.4	25	24.9	25.6	6.2	19.8	43.1	50.8
Eastern Shore	30.5	33.1	28.2	29.1	39.6	9.5	21.8	41.5	60.2
Northwest Region	26.2	28.1	24.4	26.6	**	7	17.4	42.2	54.8
Southern Region	26.3	29	23.1	24.8	31.1	11.1	24	37.7	51.2

\* Total includes individuals of other race.

\*\* Sample sizes less than 50 are statistically unstable. Therefore, data will not be displayed.

Table 31: Adults who were told by a health professional of having **high blood pressure**, and report taking medicine for it, Maryland, 2005

	Total		Yes		No	
	Number	Percentage	Number	Percentage	Number	Percentage
<b>Maryland</b>	<b>1,094,507</b>	<b>100.0</b>	<b>874,896</b>	<b>79.9</b>	<b>219,611</b>	<b>20.1</b>
Baltimore City	143,947	100.0	119,221	82.8	24,725	17.2
Baltimore Region	391,164	100.0	318,551	81.5	72,159	18.5
Montgomery County	156,973	100.0	124,509	79.3	32,464	20.7
Prince George's County	146,850	100.0	108,047	73.6	38,804	26.4
Eastern Shore	101,763	100.0	81,456	80.3	19,978	19.7
Northwest Region	92,480	100.0	75,478	81.6	17,001	18.4
Southern Region	62,114	100.0	47,633	76.7	14,480	23.3

Table 32: Percentage of adults who were told by a health professional of having **high blood pressure** who report taking medicine for it, by sex, race, and age, Maryland, 2005

	Total*	Sex		Race		Age			
		Male	Female	White	African American	18-34 yrs	35-49 yrs	50-64 yrs	65+yrs
<b>Maryland</b>	<b>79.9</b>	<b>75.8</b>	<b>84.2</b>	<b>80.7</b>	<b>80.3</b>	<b>38.2</b>	<b>65.9</b>	<b>85.3</b>	<b>93.5</b>
Baltimore City	82.8	78.9	86	89.3	80.3	**	**	91	89.2
Baltimore Region	81.5	76.5	86.9	80.4	88.7	**	68.7	86.2	93.6
Montgomery County	79.3	77.8	81.1	79	**	**	**	81.7	97.2
Prince George's County	73.6	62.5	82.2	82.4	71.5	**	53.1	82.5	89.5
Eastern Shore	80.3	75.9	84.8	79.4	84.3	**	75.8	79.8	97.6
Northwest Region	81.6	82.1	81.1	79.4	**	**	78.2	84.4	93.3
Southern Region	76.7	76.3	77.2	80.5	**	**	58.5	93.9	93.5

\* Total includes individuals of other race.

\*\* Sample sizes less than 50 are statistically unstable. Therefore, data are not displayed.

# **DIABETES**

## Underlying Cause of Death

Table 33: Annual number and rate of deaths from **diabetes**, Maryland, 2005

	<b>Number</b>	<b>Crude rate per 100,000 population</b>	<b>Age-adjusted rate per 100,000 population</b>
<b>Maryland</b>	<b>1,385</b>	<b>24.7</b>	<b>25.4</b>
Allegany County	23	31.2	21.1
Anne Arundel County	126	24.7	27.3
Baltimore City	237	37.3	37.2
Baltimore County	197	25.1	20.8
Calvert County	15	17.1	21.9
Caroline County	5	***	***
Carroll County	29	17.2	18.4
Cecil County	30	30.7	34.4
Charles County	32	23.1	31.7
Dorchester County	11	***	***
Frederick County	34	15.4	18.6
Garrett County	18	***	***
Harford County	48	20.1	21.8
Howard County	37	13.7	18.7
Kent County	5	***	***
Montgomery County	144	15.5	15.3
Prince George's County	200	23.6	32.2
Queen Anne's County	10	***	***
St. Mary's County	25	25.9	33.7
Somerset County	12	***	***
Talbot County	12	***	***
Washington County	72	50.7	44.1
Wicomico County	40	44.2	41.4
Worcester County	23	47.2	30.1

\*\*\* Rates based on fewer than 20 events are not presented since such rates are subject to instability.

Table 34: Annual number of deaths from **diabetes** by sex, race and age, Maryland, 2005

	Total*	Sex		Race		Age						
		Male	Female	White	African American	0-14 yrs	15-34 yrs	35-44yrs	45-54yrs	55-64 yrs	65-74 yrs	75+ yrs
<b>Maryland</b>	<b>1,385</b>	<b>704</b>	<b>681</b>	<b>865</b>	<b>497</b>	<b>1</b>	<b>16</b>	<b>29</b>	<b>97</b>	<b>197</b>	<b>338</b>	<b>707</b>
Allegany County	23	8	15	23	0	0	0	0	2	1	5	15
Anne Arundel County	126	61	65	101	24	0	0	3	13	22	23	65
Baltimore City	237	118	119	68	164	0	3	5	17	33	71	108
Baltimore County	197	105	92	145	50	0	4	2	8	33	41	109
Calvert County	15	4	11	10	5	0	1	0	1	2	2	9
Caroline County	5	3	2	4	1	0	0	0	0	0	2	3
Carroll County	29	13	16	24	4	0	0	0	2	3	7	17
Cecil County	30	11	19	27	3	0	1	0	0	7	5	17
Charles County	32	17	15	19	11	0	1	0	4	5	12	10
Dorchester County	11	6	5	7	4	0	0	2	0	2	3	4
Frederick County	34	18	16	32	2	0	0	0	4	2	9	19
Garrett County	18	11	7	18	0	0	0	0	2	2	5	9
Harford County	48	26	22	41	7	0	0	0	2	10	18	18
Howard County	37	18	19	28	8	0	0	2	4	3	11	17
Kent County	5	2	3	3	2	0	0	0	1	0	2	2
Montgomery County	144	80	64	104	35	0	3	5	10	12	22	92
Prince George's County	200	103	97	58	136	1	2	7	13	39	59	79
Queen Anne's County	10	9	1	6	4	0	0	0	0	2	2	6
St. Mary's County	25	11	14	20	5	0	0	0	1	3	6	15
Somerset County	12	4	8	9	3	0	0	1	1	4	3	3
Talbot County	12	5	7	9	3	0	0	0	4	1	2	5
Washington County	72	37	35	68	4	0	1	0	4	5	13	49
Wicomico County	40	21	19	22	18	0	0	2	1	5	10	22
Worcester County	23	13	10	19	4	0	0	0	3	1	5	14

\* Total includes individuals of other or unknown race.

Ambulatory Care Visits  
(Including Emergency Department and Clinic  
Based Hospital Visits)

Table 35: Annual number and rate of hospital ambulatory care visits\* for a primary diagnosis of **diabetes**, Maryland, 2005

	<b>Number</b>	<b>Crude rate per 100,000 population</b>	<b>Age-adjusted rate per 100,000 population</b>
<b>Maryland**</b>	<b>29,142</b>	<b>520.4</b>	<b>508.1</b>
Allegany County	222	301.5	262.8
Anne Arundel County	1,265	247.6	242.5
Baltimore City	12,566	1,976.40	1,972.90
Baltimore County	6,040	768.3	710.8
Calvert County	132	150.1	155.8
Caroline County	47	147.7	141.6
Carroll County	375	222.5	213.9
Cecil County	601	614.5	616.8
Charles County	121	87.2	93.8
Dorchester County	121	385.3	371.5
Frederick County	309	140	145.3
Garrett County	53	177.2	156.3
Harford County	803	335.6	324
Howard County	1,384	513.6	533.9
Kent County	54	271.4	231.7
Montgomery County	1,195	128.8	124.8
Prince George's County	1,317	155.7	165.8
Queen Anne's County	84	184.2	173.1
St. Mary's County	128	132.6	142.1
Somerset County	880	3,404.90	3,271.10
Talbot County	98	274.6	246.8
Washington County	247	174.1	167.8
Wicomico County	273	302	302.1
Worcester County	483	990.8	836.6

\*One patient may account for multiple ambulatory care visits.

\*\*Includes Maryland residents from unknown jurisdictions.

Table 36: Annual number of hospital ambulatory care visits\* for a primary diagnosis of **diabetes** by sex, race and age, Maryland, 2005

	Total <sup>†</sup>	Sex		Race		Age						
		Male	Female	White	African American	0-14 yrs	15-34 yrs	35-44yrs	45-54yrs	55-64 yrs	65-74 yrs	75+ yrs
<b>Maryland**</b>	<b>29,142</b>	<b>12,848</b>	<b>16,292</b>	<b>11,348</b>	<b>16,206</b>	<b>615</b>	<b>2,980</b>	<b>4,037</b>	<b>6,551</b>	<b>6,771</b>	<b>4,958</b>	<b>3,230</b>
Allegany County	222	111	111	198	18	6	30	26	22	43	48	47
Anne Arundel County	1,265	642	623	761	425	72	171	178	242	299	155	148
Baltimore City	12,566	4,918	7,646	2,066	10,167	106	1,119	1,723	3,079	3,097	2,265	1,177
Baltimore County	6,040	2,740	3,300	3,330	2,358	90	578	812	1,329	1,372	1,096	763
Calvert County	132	62	70	67	65	8	8	27	29	24	21	15
Caroline County	47	25	22	30	16	#	7	8	9	9	9	#
Carroll County	375	196	179	321	33	19	37	51	84	92	41	51
Cecil County	601	307	294	547	49	14	70	85	124	130	112	66
Charles County	121	74	47	62	57	6	27	20	21	21	15	11
Dorchester County	121	57	64	41	74	#	14	34	25	16	18	9
Frederick County	309	150	159	236	63	15	36	48	68	55	47	40
Garrett County	53	23	30	52	#	#	10	#	#	12	9	13
Harford County	803	431	372	592	169	60	125	78	170	211	84	75
Howard County	1,384	653	731	851	388	48	104	149	276	399	266	142
Kent County	54	29	25	27	26	7	#	#	#	10	10	16
Montgomery County	1,195	568	627	381	440	43	164	231	272	204	120	161
Prince George's County	1,317	675	642	210	987	31	216	237	322	237	156	118
Queen Anne's County	84	55	29	53	26	#	7	6	19	11	19	17
St. Mary's County	128	63	65	74	54	10	23	14	18	27	12	24
Somerset County	880	394	486	581	293	0	40	98	145	227	214	156
Talbot County	98	55	43	54	39	#	17	8	28	19	16	8
Washington County	247	119	128	216	25	23	31	44	27	39	37	46
Wicomico County	273	124	149	171	95	8	54	52	60	36	33	30
Worcester County	483	224	259	298	175	19	41	59	100	92	102	70

\* One patient may account for multiple ambulatory care visits.

\*\* Includes Maryland residents from unknown jurisdictions.

<sup>†</sup> Includes individuals of other or unknown sex and race.

# Cell sizes less than 6 are not displayed to ensure patient confidentiality.

Table 37: Annual crude rate of hospital ambulatory care visits\* per 100,000 population for a primary diagnosis of **diabetes** by sex, race and age, Maryland, 2005

	Total	Sex		Race		Age						
		Male	Female	White	African American	0-14 yrs	15-34 yrs	35-44yrs	45-54yrs	55-64 yrs	65-74 yrs	75+ yrs
<b>Maryland</b>	520.4	473.5	564.3	313.2	969.1	53.3	200.7	458.6	777.4	1,138.5	1,504.7	1,025.2
Allegany County	301.5	300.5	302.4	288.8	***	***	142.7	263.6	222.6	520.4	787.4	654.3
Anne Arundel County	247.6	251.9	243.3	183.1	551.3	69.1	129.1	210.1	312.3	517.8	522.4	602.3
Baltimore City	1,976.40	1,659.4	2,252.6	1,015.7	2,438.9	79.6	616.9	1,928.4	3,380.5	4,860.6	6,088.9	2,951.4
Baltimore County	768.3	732.7	800.7	595.8	1,227.6	60.9	284.5	694.5	1,117.0	1,614.8	2,091.0	1,231.3
Calvert County	150.1	143.1	157.0	89.3	564.1	***	***	180.5	208.4	263.2	486.9	***
Caroline County	147.7	160.7	135.2	111.4	***	***	***	***	***	***	***	***
Carroll County	222.5	234.8	210.4	200.0	633.5	***	85.0	187.0	311.4	501.8	429.6	562.4
Cecil County	614.5	636.3	593.3	598.4	970.3	***	256.4	539.8	863.4	1,308.0	2,002.9	1,368.7
Charles County	87.2	108.8	66.4	73.0	115.9	***	69.3	83.2	103.5	154.8	***	***
Dorchester County	385.3	383.0	387.5	183.6	847.1	***	***	773.3	536.7	***	***	***
Frederick County	140	137.4	142.5	121.2	348.0	***	61.5	128.3	201.8	254.5	421.1	385.5
Garrett County	177.2	155.5	198.5	175.3	***	***	***	***	***	***	***	***
Harford County	335.6	367.4	305.1	288.9	590.9	118.5	205.5	200.6	457.5	817.4	595.2	635.1
Howard County	513.6	492.9	533.7	441.6	859.9	80.9	156.5	316.2	627.8	1,361.5	1,985.7	1,443.7
Kent County	271.4	303.5	241.7	163.7	818.6	***	***	***	***	***	***	***
Montgomery County	128.8	127.2	130.4	59.6	280.2	22.0	73.8	154.6	183.1	197.4	222.2	293.2
Prince George's County	155.7	165.8	146.2	88.5	173.4	16.3	88.7	175.3	264.9	280.0	366.9	407.6
Queen Anne's County	184.2	243.0	126.2	128.0	716.8	***	***	***	***	***	***	***
St. Mary's County	132.6	130.5	134.7	92.8	379.2	***	82.1	***	***	301.7	***	574.4
Somerset County	3,404.9	2,859.4	4,027.8	3,955.1	2,700.5	0	448.6	2,699.0	4,396.6	8,784.8	11,948.6	9,027.8
Talbot County	274.6	323.4	230.2	179.3	756.5	***	***	***	556.3	***	***	***
Washington County	174.1	164.7	183.8	170.2	192.5	87.0	79.1	196.0	135.0	274.8	389.6	455.1
Wicomico County	302	288.0	314.7	256.8	433.6	***	202.6	418.3	467.8	388.9	585.8	505.4
Worcester County	990.8	945.8	1,033.2	729.7	2,369.7	***	373.4	859.1	1,483.9	1,560.4	1,855.2	1,348.5

\* One patient may account for multiple ambulatory care visits.

# Rates based on fewer than 20 events are not presented, since such rates are subject to instability.

# Hospital Discharges

Table 38: Annual number and rate of hospital discharges\* for a primary diagnosis of **diabetes**, Maryland, 2005

	<b>Number</b>	<b>Crude rate per 100,000 population</b>	<b>Age-adjusted rate per 100,000 population</b>
<b>Maryland**</b>	<b>9,344</b>	<b>166.8</b>	<b>164.9</b>
Allegany County	204	277	238.1
Anne Arundel County	637	124.7	125.3
Baltimore City	2,534	398.5	398.8
Baltimore County	1,450	184.5	173.4
Calvert County	108	122.8	124.9
Caroline County	55	172.8	168.2
Carroll County	226	134.1	130.1
Cecil County	202	206.6	205.8
Charles County	171	123.2	139.8
Dorchester County	76	242	208.6
Frederick County	240	108.7	113.8
Garrett County	25	83.6	70.1
Harford County	353	147.5	147.7
Howard County	219	81.3	90.1
Kent County	38	191	158.4
Montgomery County	708	76.3	73.7
Prince George's County	1,299	153.5	169.9
Queen Anne's County	41	89.9	82.9
St. Mary's County	155	160.6	176.9
Somerset County	54	208.9	203.7
Talbot County	77	215.8	193.4
Washington County	176	124	118.9
Wicomico County	196	216.8	211.8
Worcester County	69	141.5	115.9

\*One patient may account for multiple hospitalizations.

\*\* Includes Maryland residents from unknown jurisdictions.

Table 39: Annual number of hospital discharges\* for a primary diagnosis of **diabetes** by sex, race and age, Maryland, 2005

	Total <sup>†</sup>	Sex		Race		Age						
		Male	Female	White	African American	0-14 yrs	15-34 yrs	35-44yrs	45-54yrs	55-64 yrs	65-74 yrs	75+ yrs
<b>Maryland**</b>	<b>9,344</b>	<b>4,807</b>	<b>4,537</b>	<b>4,218</b>	<b>4,790</b>	<b>277</b>	<b>1,386</b>	<b>1,275</b>	<b>1,908</b>	<b>1,711</b>	<b>1,411</b>	<b>1,376</b>
Allegany County	204	82	122	190	13	6	33	18	19	30	42	56
Anne Arundel County	637	343	294	454	164	26	73	102	119	119	98	100
Baltimore City	2,534	1,232	1,302	452	2,042	68	371	375	580	503	345	292
Baltimore County	1,450	718	732	821	605	58	247	179	276	231	226	233
Calvert County	108	55	53	52	53	#	8	22	30	19	16	11
Caroline County	55	38	17	36	17	#	9	8	16	7	7	6
Carroll County	226	112	114	204	21	17	32	23	41	59	28	26
Cecil County	202	93	109	177	23	0	39	31	39	43	30	20
Charles County	171	99	72	83	80	#	17	39	37	24	29	24
Dorchester County	76	41	35	46	28	#	#	11	16	12	14	17
Frederick County	240	113	127	192	40	6	33	33	55	39	36	38
Garrett County	25	19	6	25	0	0	#	#	#	6	8	#
Harford County	353	199	154	257	81	15	46	43	68	69	59	53
Howard County	219	122	97	144	62	23	19	17	47	33	43	37
Kent County	38	22	16	26	11	#	#	#	10	8	6	9
Montgomery County	708	385	323	340	255	7	74	90	122	151	114	150
Prince George's County	1,299	716	583	225	1,009	#	209	190	291	232	207	166
Queen Anne's County	41	28	13	26	14	#	#	#	11	8	6	7
Saint Mary's County	155	73	82	93	60	#	27	18	32	21	23	33
Somerset County	54	28	26	19	33	#	9	6	6	9	11	8
Talbot County	77	47	30	43	32	#	16	10	11	10	7	19
Washington County	176	86	90	153	18	7	56	24	24	24	18	23
Wicomico County	196	98	98	98	93	15	34	24	41	36	24	22
Worcester County	69	40	29	51	17	#	11	#	9	10	14	18

\* One patient may account for multiple hospital discharges. # Cell sizes less than 6 are not displayed to ensure patient confidentiality.

\*\* Includes Maryland residents from unknown jurisdictions. † Includes individuals of other or unknown race.

Table 40: Annual crude rates of hospital discharge\* per 100,000 population for a primary diagnosis of **diabetes** by sex, race and age, Maryland, 2005

	Total	Sex		Race		Age						
		Male	Female	White	African American	0-14 yrs	15-34 yrs	35-44yrs	45-54yrs	55-64 yrs	65-74 yrs	75+ yrs
<b>Maryland</b>	<b>166.8</b>	<b>177.2</b>	<b>157.1</b>	<b>116.4</b>	<b>286.4</b>	<b>24</b>	<b>93.3</b>	<b>144.8</b>	<b>226.4</b>	<b>287.7</b>	<b>428.2</b>	<b>436.7</b>
Allegany County	277	222	332.4	277.1	***	***	156.9	***	***	363.1	689	779.6
Anne Arundel County	124.7	134.6	114.8	109.2	212.7	24.9	55.1	120.4	153.6	206.1	330.3	407
Baltimore City	398.5	415.7	383.6	222.2	489.9	51	204.5	419.7	636.8	789.4	927.4	732.2
Baltimore County	184.5	192	177.6	146.9	315	39.3	121.6	153.1	232	271.9	431.2	376
Calvert County	122.8	126.9	118.9	69.3	459.9	***	***	147.1	215.6	***	***	***
Caroline County	172.8	244.3	***	133.7	***	***	***	***	***	***	***	***
Carroll County	134.1	134.2	134	127.1	403.1	***	73.5	84.3	152	321.8	293.4	286.7
Cecil County	206.6	192.8	220	193.6	455.4	0	142.9	196.9	271.5	432.6	536.5	414.8
Charles County	123.2	145.6	101.7	97.7	162.7	***	***	162.3	182.3	176.9	445.1	516.9
Dorchester County	242	275.5	211.9	206	320.5	***	***	***	***	***	***	***
Frederick County	108.7	103.5	113.8	98.6	220.9	***	56.4	88.2	163.2	180.5	322.6	366.3
Garrett County	83.6	***	***	84.3	0	0	***	***	***	***	***	***
Harford County	147.5	169.6	126.3	125.4	283.2	***	75.6	110.6	183	267.3	418.1	448.8
Howard County	81.3	92.1	70.8	74.7	137.4	38.7	***	***	106.9	112.6	321	376.2
Kent County	191	230.3	***	157.6	***	***	***	***	***	***	***	***
Montgomery County	76.3	86.2	67.2	53.2	162.4	***	33.3	60.2	82.1	146.1	211	273.2
Prince George's County	153.5	175.9	132.8	94.8	177.3	***	85.8	140.6	239.4	274.1	486.8	573.4
Queen Anne's County	89.9	123.7	***	62.8	***	***	***	***	***	***	***	***
St. Mary's County	160.6	151.3	169.9	116.6	421.3	***	96.3	***	237.7	234.6	469	789.9
Somerset County	208.9	203.2	215.5	***	304.1	***	***	***	***	***	***	***
Talbot County	215.8	276.4	160.6	142.8	620.8	***	***	***	***	***	***	***
Washington County	124	119	129.2	120.6	***	***	142.9	106.9	120	169.1	***	227.5
Wicomico County	216.8	227.6	207	147.2	424.5	***	127.5	193.1	319.6	388.9	426.1	370.6
Worcester County	141.5	168.9	115.7	124.9	***	***	***	***	***	***	***	***

\* One patient may account for multiple hospital discharges

# Rates based fewer than 20 events are not presented, since such rates are subject to instability.

Table 41: Annual number of hospital discharges\* for a primary diagnosis of **diabetes**, by length of stay and hospital costs, Maryland, 2005

	Length of stay		Cost	
	Total no. of days	Average no. of days	Total cost	Average cost
<b>Maryland**</b>	<b>39,027</b>	<b>4.18</b>	<b>\$78,489,624</b>	<b>\$8,400</b>
Allegany County	974	4.77	\$1,440,534	\$7,061
Anne Arundel County	2,624	4.12	\$5,516,566	\$8,660
Baltimore City	10,148	4	\$22,674,239	\$8,948
Baltimore County	5,892	4.06	\$12,419,221	\$8,565
Calvert County	449	4.16	\$737,599	\$6,830
Caroline County	272	4.95	\$434,319	\$7,897
Carroll County	942	4.17	\$1,968,290	\$8,709
Cecil County	766	3.79	\$1,534,224	\$7,595
Charles County	735	4.3	\$1,147,031	\$6,708
Dorchester County	360	4.74	\$755,390	\$9,939
Frederick County	1,059	4.41	\$1,818,998	\$7,579
Garrett County	74	2.96	\$105,969	\$4,239
Harford County	1,371	3.88	\$2,692,012	\$7,626
Howard County	882	4.03	\$2,028,825	\$9,264
Kent County	183	4.82	\$267,084	\$7,029
Montgomery County	3,044	4.3	\$5,970,378	\$8,433
Prince George's County	5,691	4.38	\$10,491,555	\$8,077
Queen Anne's County	254	6.2	\$665,822	\$16,240
St. Mary's County	588	3.79	\$1,018,380	\$6,570
Somerset County	171	3.17	\$273,552	\$5,066
Talbot County	302	3.92	\$725,070	\$9,416
Washington County	816	4.64	\$1,247,258	\$7,087
Wicomico County	980	5	\$1,436,923	\$7,331
Worcester County	324	4.7	\$603,090	\$8,740

\* One patient may account for multiple hospital discharges.

\*\* Includes Maryland residents from unknown jurisdictions

Table 42: Number and rate of hospitalizations\* due to **amputation of a lower extremity attributable to diabetes**, Maryland, 2005

	<b>Number</b>	<b>Crude rate per 100,000 population</b>
<b>Maryland**</b>	<b>1,729</b>	<b>30.9</b>
Allegany County	28	38
Anne Arundel County	118	23.1
Baltimore City	472	74.2
Baltimore County	298	37.9
Calvert County	11	***
Caroline County	10	***
Carroll County	49	29.1
Cecil County	14	***
Charles County	31	22.3
Dorchester County	8	***
Frederick County	40	18.1
Garrett County	12	***
Harford County	76	31.8
Howard County	32	11.9
Kent County	14	***
Montgomery County	127	13.7
Prince George's County	198	23.4
Queen Anne's County	15	***
St. Mary's County	27	28
Somerset County	12	***
Talbot County	13	***
Washington County	51	35.9
Wicomico County	42	46.5
Worcester County	27	55.4

\* One patient may account for multiple hospital discharges.

\*\* Includes Maryland residents from unknown jurisdictions.

\*\*\* Rates based on fewer than 20 events are not presented since such rates are subject to instability.

# Cell sizes less than 6 are not displayed to ensure patient confidentiality.

Diabetes and Preventive Care  
(Behavioral Risk Factor Surveillance System  
Data)

Table 43: Adults with diagnosed diabetes by jurisdiction, sex, race, and age, Maryland, 2005

	Total		Yes*		No	
	Number	Percentage	Number	Percentage	Number	Percentage
<b>Maryland</b>	<b>4,168,515</b>	<b>100.0</b>	<b>301,491</b>	<b>7.2</b>	<b>3,867,024</b>	<b>92.8</b>
<b>Jurisdiction</b>						
Allegany County	50,110	100.0	4,299	8.6	45,810	91.4
Anne Arundel	368,442	100.0	29,513	8	338,928	92
Baltimore City	476,148	100.0	48,407	10.2	427,741	89.8
Baltimore County	592,733	100.0	40,711	6.9	552,022	93.1
Calvert County	60,566	100.0	3,503	5.8	57,063	94.2
Caroline County	23,312	100.0	3,162	13.6	20,151	86.4
Carroll County	117,826	100.0	8,108	6.9	109,717	93.1
Cecil County	73,151	100.0	5,240	7.2	67,912	92.8
Charles County	94,633	100.0	5,873	6.2	88,760	93.8
Dorchester County	22,228	100.0	1,301	5.9	20,927	94.1
Frederick County	162,156	100.0	10,668	6.6	151,488	93.4
Garrett County	27,110	100.0	1,984	7.3	25,126	92.7
Harford County	175,221	100.0	12,112	6.9	163,109	93.1
Howard County	210,528	100.0	11,971	5.7	198,557	94.3
Kent County	15,546	100.0	1,948	12.5	13,598	87.5
Montgomery County	714,446	100.0	37,305	5.2	677,141	94.8
Prince George's County	598,083	100.0	44,267	7.4	553,816	92.6
Queen Anne's County	35,983	100.0	2,180	6.1	33,803	93.9
St. Mary's County	79,634	100.0	6,160	7.7	73,474	92.3
Somerset County	15,334	100.0	843	5.5	14,490	94.5
Talbot County	32,033	100.0	2,405	7.5	29,627	92.5
Washington County	110,431	100.0	9,599	8.7	100,831	91.3
Wicomico County	72,543	100.0	5,916	8.2	66,627	91.8
Worcester County	40,320	100.0	4,015	10	36,305	90
<b>Sex</b>						
Male	1,999,210	100.0	138,201	6.9	1,861,009	93.1
Female	2,169,305	100.0	163,290	7.5	2,006,015	92.5
<b>Race</b>						
White	2,566,426	100.0	172,191	6.7	2,394,234	93.3
Black	1,086,920	100.0	96,471	8.9	990,449	91.1
<b>Age</b>						
18-34 yrs	1,207,311	100.0	15,180	1.3	1,192,131	98.7
35-49 yrs	1,302,530	100.0	57,002	4.4	1,245,528	95.6
50-64 yrs	961,287	100.0	110,400	11.5	850,887	88.5
65+ yrs	649,578	100.0	116,357	17.9	533,221	82.1

\*Excludes gestational diabetes

Table 44: Adults with diabetes who report having a dilated eye exam in the past year, 2005

	Total		Yes		No	
	Number	Percentage	Number	Percentage	Number	Percentage
<b>Maryland</b>	<b>301,665</b>	<b>100.0</b>	<b>228,044</b>	<b>75.6</b>	<b>73,621</b>	<b>24.4</b>
<b>Sex</b>						
Male	139,252	100.0	97,885	70.3	41,366	29.7
Female	162,414	100.0	130,159	80.2	32,255	19.9
<b>Race</b>						
White	168,730	100.0	120,863	71.6	47,866	28.4
Black	101,138	100.0	83,185	82.3	17,953	17.7
<b>Age</b>						
18-34 yrs	*	*	*	*	*	*
35-49 yrs	61,074	100.0	42,758	70.0	18,316	30
50-64 yrs	111,642	100.0	85,281	76.4	26,362	24
65+ yrs	113,532	100.0	92,366	81.3	21,165	19
<b>Region</b>						
Baltimore City	*	*	*	*	*	*
Baltimore Region	101,182	100.0	71,329	70.5	29,853	29.6
Montgomery County	*	*	*	*	*	*
Prince George's County	*	*	*	*	*	*
Eastern Shore	27,600	100.0	19,531	70.7	8,069	29.2
Northwest Region	32,279	100.0	22,336	69.2	9,943	30.8
Southern Region	*	*	*	*	*	*

\* Sample sizes less than 50 are statistically unstable. Therefore, data are not displayed.

Table 45: Adults with diabetes who report daily self-monitoring of blood glucose, 2005

	Total		Yes		No	
	Number	Percentage	Number	Percentage	Number	Percentage
<b>Maryland</b>	<b>304,958</b>	<b>100.0</b>	<b>194,858</b>	<b>63.9</b>	<b>110,100</b>	<b>36.1</b>
<b>Sex</b>						
Male	139,739	100.0	77,583	55.5	62,156	44.5
Female	165,220	100.0	117,275	71.0	87,637	29.0
<b>Race</b>						
White	169,216	100.0	108,806	64.3	60,410	35.7
Black	102,391	100.0	63,213	61.7	39,178	38.3
<b>Age</b>						
18-34 yrs	*	*	*	*	*	*
35-49 yrs	61,074	100.0	37,914	62.1	23,160	37.9
50-64 yrs	111,642	100.0	75,936	68	35,706	32
65+ yrs	116,824	100.0	74,881	64.1	41,943	35.9
<b>Region</b>						
Baltimore City	*	*	*	*	*	*
Baltimore Region	101,182		67,098	66.3	34,084	33.7
Montgomery County	33,159	*	*	*	*	*
Prince George's County	49,297	*	*	*	*	*
Eastern Shore	27,600	*	20,924	75.8	6,676	24.2
Northwest Region	32,765	*	24,229	73.9	8,536	26.1
Southern Region	16,378	*	*	*	*	*

\* Sample sizes less than 50 are statistically unstable. Therefore, data are not displayed.

Table 46: Adults with diabetes who report having a foot exam in the past year, 2005

	Total		Yes		No	
	Number	Percentage	Number	Percentage	Number	Percentage
<b>Maryland</b>	<b>295,362</b>	<b>100.0</b>	<b>225,109</b>	<b>76.2</b>	<b>70,253</b>	<b>23.8</b>
<b>Sex</b>						
Male	136,331	100.0	101,929	74.8	34,402	25.2
Female	159,030	100.0	123,180	77.5	35,850	22.5
<b>Race</b>						
White	165,071	100.0	128,422	77.8	36,649	22.2
Black	98,010	100.0	71,583	73	26,427	27
<b>Age</b>						
18-34 yrs	*	*	*	*	*	*
35-49 yrs	60,539	100.0	45,158	74.6	15,381	25.4
50-64 yrs	109,232	100.0	85,125	77.9	24,107	22.1
65+ yrs	111,243	100.0	84,141	75.6	27,102	24.4
<b>Region</b>						
Baltimore City	*	*	*	*	*	*
Baltimore Region	97,829	100.0	71,112	72.7	26,717	27.3
Montgomery County	*	*	*	*	*	*
Prince George's County	*	*	*	*	*	*
Eastern Shore	26,792	100.0	23,262	86.8	3,530	13.2
Northwest Region	32,270	100.0	23,752	73.6	8,518	26.4
Southern Region	*	*	*	*	*	*

\* Sample sizes less than 50 are statistically unstable. Therefore, data are not displayed.

Table 47: Adults with diabetes who report receiving an influenza vaccination in the past year, 2005

	Total		Yes		No	
	Number	Percentage	Number	Percentage	Number	Percentage
<b>Maryland*</b>	<b>301,205</b>	<b>100.0</b>	<b>144,839</b>	<b>48.1</b>	<b>156,365</b>	<b>51.9</b>
<b>Sex</b>						
Male	137,915	100.0	68,752	49.9	69,163	50.1
Female	163,290	100.0	76,087	46.6	87,203	53.4
<b>Race</b>						
White	171,905	100.0	84,409	49.1	87,496	50.9
Black	96,471	100.0	44,167	45.8	52,305	54.2
<b>Age</b>						
18-44 yrs	45,628	100.0	15,967	35	29,660	65
45-64 yrs	136,955	100.0	52,113	38.1	84,842	61.9
65+ yrs	116,071	100.0	76,760	66.1	39,311	33.9
<b>Region</b>						
Baltimore City	48,407	100.0	20,982	43.3	27,425	56.7
Baltimore Region	102,416	100.0	43,591	42.6	58,825	57.4
Montgomery County	37,305	100.0	22,019	59	15,285	41
Prince George's County	44,267	100.0	27,823	62.9	16,444	37.1
Eastern Shore	27,010	100.0	11,566	42.8	15,444	57.2
Northwest Region	26,265	100.0	13,613	51.8	12,651	48.2
Southern Region	15,536	100.0	5,245	33.8	10,291	66.2

\* Includes individuals of unknown sex, race and age

\*\* Sample sizes less than 50 are statistically unstable. Therefore, data are not displayed.

Table 48: Adults with diabetes who report receiving a pneumococcal vaccination, Maryland 2003-2005

	Total		Yes		No	
	Number	Percentage	Number	Percentage	Number	Percentage
<b>Maryland*</b>	<b>281,098</b>	<b>100.0</b>	<b>146,720</b>	<b>52.2</b>	<b>134,378</b>	<b>47.8</b>
<b>Sex</b>						
Male	126,488	100.0	66,540	52.6	59,948	47.4
Female	154,610	100.0	80,180	51.9	74,430	48.1
<b>Race</b>						
White	158,723	100.0	87,557	55.2	71,166	44.8
Black	91,520	100.0	47,278	51.7	44,242	48.3
<b>Age</b>						
18-44 yrs	40,591	100.0	17,492	43.1	23,099	56.9
45-64 yrs	125,542	100.0	53,905	42.9	71,637	57.1
65+ yrs	112,413	100.0	75,139	66.8	37,274	33.2
<b>Region</b>						
Baltimore City	46,956	100.0	27,026	57.6	19,930	42.4
Baltimore Region	97,212	100.0	48,645	50	48,568	50
Montgomery County	33,044	100.0	14,279	43.2	18,765	56.8
Prince George's County	38,732	100.0	21,721	56.1	17,011	43.9
Eastern Shore	25,242	100.0	14,215	56.3	11,027	43.7
Northwest Region	24,376	100.0	15,469	63.5	8,908	36.5
Southern Region	15,536	100.0	5,366	34.5	10,170	65.5

\* Includes individuals of unknown race and age.

**Physical Activity, Nutrition and Tobacco Use Risk Factors  
(BRFSS Data)**

Table 49: Adults who report eating fruits and vegetables at least 5 times/day, Maryland, 2005

	Total		Yes		No	
	Number	Percentage	Number	Percentage	Number	Percentage
<b>Maryland</b>	<b>4,076,653</b>	<b>100.0</b>	<b>1,169,874</b>	<b>28.7</b>	<b>2,906,779</b>	<b>71.3</b>
Baltimore City	452,354	100.0	121,566	26.9	330,788	73.1
Baltimore Region	1,440,769	100.0	391,681	27.2	1,049,088	72.8
Montgomery County	705,292	100.0	253,565	36.0	451,727	64.0
Prince George's County	582,047	100.0	173,103	29.7	408,944	70.3
Eastern Shore	320,032	100.0	86,782	27.1	233,250	72.9
Northwest Region	344,537	100.0	81,917	23.8	262,620	76.2
Southern Region	231,622	100.0	61,260	26.4	170,362	73.6

Table 50: Percentage of adults who report eating fruits and vegetables at least 5 times/day by sex, race and age, Maryland, 2005

	Total*	Sex		Race		Age			
		Male	Female	White	African American	18-34 yrs	35-49 yrs	50-64 yrs	65+yrs
<b>Maryland</b>	<b>4,076,653</b>	<b>24.5</b>	<b>32.5</b>	<b>28.1</b>	<b>28.2</b>	<b>26.9</b>	<b>27.8</b>	<b>27.8</b>	<b>35.6</b>
Baltimore City	452,354	27.4	26.4	29.5	24.0	26.5	30.0	22.4	28.1
Baltimore Region	1,440,769	22.5	31.4	26.9	27.3	22.9	26.3	26.4	38.3
Montgomery County	705,292	32.3	39.4	34.1	40.6	37.1	32.1	34.8	43.8
Prince George's County	582,047	25.1	33.6	30.8	28.6	28.2	29.3	29.9	35.7
Eastern Shore	320,032	22.1	31.6	27.1	25.4	24.7	27.2	25.6	32.8
Northwest Region	344,537	17.2	29.7	23.6	**	21.5	22.2	26.2	27.2
Southern Region	231,622	20.5	33.2	26.8	23.8	27.5	26.5	24.2	26.7

\* Total includes individuals of unknown sex, race and age

\*\* Sample sizes less than 50 are statistically unstable. Therefore, data are not displayed.

Table 51: Overweight or obese adults, Maryland, 2005

	Total		Yes		No	
	Number	Percentage	Number	Percentage	Number	Percentage
<b>Maryland</b>	<b>4,012,419</b>	<b>100.0</b>	<b>2,452,775</b>	<b>61.1</b>	<b>1,559,644</b>	<b>38.9</b>
Baltimore City	454,826	100.0	282,454	62.1	172,372	37.9
Baltimore Region	1,421,091	100.0	854,057	60.1	567,034	39.9
Montgomery County	679,815	100.0	347,385	51.1	332,430	48.9
Prince George's County	571,792	100.0	394,902	69.1	176,890	30.9
Eastern Shore	319,230	100.0	208,910	65.4	110,320	34.6
Northwest Region	339,416	100.0	211,548	62.3	127,868	37.7
Southern Region	226,249	100.0	153,519	67.9	72,730	32.1

Table 52: Annual prevalence of overweight or obesity in adults by sex, race and age, Maryland, 2005 (%)

	Total*	Sex		Race		Age			
		Male	Female	White	African American	18-34 yrs	35-49 yrs	50-64 yrs	65+yrs
<b>Maryland</b>	<b>61.1</b>	<b>68.7</b>	<b>53.9</b>	<b>58.9</b>	<b>71.7</b>	<b>54.3</b>	<b>61.7</b>	<b>66.8</b>	<b>64.8</b>
Baltimore City	62.1	64.1	60.3	54.9	69.8	58.4	62.8	66.6	63.2
Baltimore Region	60.1	67.6	52.9	58.8	72.6	48.2	61.9	68.3	63.2
Montgomery County	51.1	60.5	41.9	50.3	63.7	43.5	51.1	55.3	58.3
Prince George's County	69.1	77.3	61.7	64.1	73.2	67.6	67.3	74.5	71.4
Eastern Shore	65.4	73.6	57.9	63.3	74.4	60.5	66.2	66.3	70.2
Northwest Region	62.3	70.5	54.7	63.4	**	52.6	63.5	68.9	68.5
Southern Region	67.9	78.5	55	64.9	**	66.8	65.8	72.4	70.3

\* Total includes unknown sex, race and age

\*\* Sample sizes less than 20 have not been calculated.

Table 53: Obese adults, Maryland, 2005

	Total		Yes		No	
	Number	Percentage	Number	Percentage	Number	Percentage
<b>Maryland</b>	<b>4,012,419</b>	<b>100.0</b>	<b>980,569</b>	<b>24.4</b>	<b>3,031,850</b>	<b>75.6</b>
Baltimore City	454,826	100.0	141,847	31.2	312,979	68.8
Baltimore Region	1,421,091	100.0	318,843	22.4	1,102,248	77.6
Montgomery County	679,815	100.0	104,806	15.4	575,009	84.6
Prince George's County	571,792	100.0	168,575	29.5	403,217	70.5
Eastern Shore	319,230	100.0	94,618	29.6	224,612	70.4
Northwest Region	339,416	100.0	85,612	25.2	253,804	74.8
Southern Region	226,249	100.0	66,267	29.3	159,982	70.7

Table 54: Annual prevalence of obesity in adults by sex, race and age, Maryland, 2005 (%)

	Total*	Sex		Race		Age			
		Male	Female	White	African American	18-34 yrs	35-49 yrs	50-64 yrs	65+yrs
<b>Maryland</b>	<b>24.4</b>	<b>24.8</b>	<b>24.1</b>	<b>21.8</b>	<b>35.0</b>	<b>20.7</b>	<b>25.4</b>	<b>29.8</b>	<b>22.5</b>
Baltimore City	31.2	28.1	33.9	23.8	37.1	27.7	33.9	37.2	26.9
Baltimore Region	22.4	23	21.9	21.2	35.8	15.6	25.3	28.7	19.5
Montgomery County	15.4	16.2	14.7	13.5	23.5	12.2	16.1	18.8	15.3
Prince George's County	29.5	29.2	29.8	24.5	33.5	27.8	27.4	35.9	30.1
Eastern Shore	29.6	30.8	28.5	25.8	53.5	29.5	30.1	29.2	29.9
Northwest Region	25.2	27.1	23.5	26.2	**	19.7	24.8	34.9	23
Southern Region	29.3	32.7	25.2	26.9	41.5	27.9	26.2	38.6	26.6

\* Total includes individuals of unknown sex, race and age

\*\* Sample sizes less than 20 have not been calculated.

Table 55: Adults who engage in moderate physical activity during a usual week for 30 minutes of more, Maryland, 2005

	Total		Yes		No	
	Number	Percentage	Number	Percentage	Number	Percentage
<b>Maryland</b>	<b>3,850,773</b>	<b>100.0</b>	<b>1,351,601</b>	<b>35.1</b>	<b>2,499,172</b>	<b>64.9</b>
Baltimore City	420,414	100.0	138,910	33	281,504	67
Baltimore Region	1,367,983	100.0	486,665	35.6	881,318	64.4
Montgomery County	672,356	100.0	231,835	34.5	440,521	65.5
Prince George's County	545,456	100.0	174,463	32	370,993	68
Eastern Shore	299,023	100.0	105,324	35.2	193,699	64.8
Northwest Region	327,173	100.0	122,819	37.5	204,354	62.5
Southern Region	218,368	100.0	91,584	41.9	126,784	58.1

Table 56: Percentage of Adults who engage in moderate physical activity during a usual week for 30 minutes of more by sex, race and age, Maryland, 2005

	Total*	Sex		Race		Age			
		Male	Female	White	African American	18-34 yrs	35-49 yrs	50-64 yrs	65+yrs
<b>Maryland</b>	<b>35.1</b>	<b>35.0</b>	<b>35.2</b>	<b>37.9</b>	<b>33.3</b>	<b>38.4</b>	<b>36.4</b>	<b>31.8</b>	<b>31.7</b>
Baltimore City	33	37.8	29.2	35.7	31.2	35.7	35.5	30.8	25.9
Baltimore Region	35.6	34.1	36.9	37.6	29.2	41	35	32.1	32.1
Montgomery County	34.5	34.3	34.6	38.7	27.3	31	43.2	26.7	35.5
Prince George's County	32	33.5	30.8	35.5	28.4	37.7	29.4	32.3	26.8
Eastern Shore	35.2	30.7	39.3	37.3	24.5	37.5	33	37.9	32.9
Northwest Region	37.5	39.4	35.8	37.3	**	42.8	39.9	31.8	31.4
Southern Region	41.9	39.4	44.9	43.1	33.3	45.5	42.1	38.7	39.4

\* Total includes individuals of unknown sex, race and age

\*\* Sample sizes less than 50 are statistically unstable. Therefore, data are not displayed.

Table 57: Adults who report having smoked 100 cigarettes in their lifetime and are current smokers on every day or some days, Maryland, 2005

	Total		Yes		No	
	Number	Percentage	Number	Percentage	Number	Percentage
<b>Maryland</b>	<b>4,186,815</b>	<b>100.0</b>	<b>790,203</b>	<b>18.9</b>	<b>3,396,612</b>	<b>81.1</b>
Baltimore City	477,384	100.0	138,048	28.9	339,336	71.1
Baltimore Region	1,470,674	100.0	282,738	19.2	1,187,936	80.8
Montgomery County	719,182	100.0	80,674	11.3	638,508	88.7
Prince George's County	599,383	100.0	106,890	17.8	492,493	82.2
Eastern Shore	331,608	100.0	70,377	21.2	261,231	78.8
Northwest Region	352,484	100.0	70,183	19.9	282,301	80.1
Southern Region	236,099	100.0	41,291	17.5	194,808	82.5

Table 58: Percentage of adults who report having smoked 100 cigarettes in their lifetime and are current smokers on every day or some days by sex, race and age, Maryland, 2005

	Total*	Sex		Race		Age			
		Male	Female	White	African American	18-34 yrs	35-49 yrs	50-64 yrs	65+yrs
<b>Maryland</b>	<b>18.9</b>	<b>19.5</b>	<b>18.3</b>	<b>17.4</b>	<b>23.6</b>	<b>16.0</b>	<b>20.8</b>	<b>19.2</b>	<b>9.9</b>
Baltimore City	28.9	31.2	27.0	17.5	38.3	28.3	34.8	32.6	15.5
Baltimore Region	19.2	19.3	19.2	19.7	18.6	25.2	18.9	20.7	8.3
Montgomery County	11.3	9.5	12.9	8.9	**	15.8	10.8	10.4	**
Prince George's County	17.8	23.4	13.3	15.6	18.9	16.2	21.6	17.7	**
Eastern Shore	21.2	19.9	22.4	20.6	22.2	24.9	25.1	19	11.8
Northwest Region	19.9	22.2	17.8	19.3	**	22.1	23.8	19.9	9.4
Southern Region	17.5	16.2	18.9	17.4	**	16	23.3	17.3	**

\* Total includes individuals of unknown sex, race and age

\*\* Sample sizes less than 50 are statistically unstable. Therefore, data are not displayed.

# OSTEOPOROSIS

**Ambulatory Care Visits  
(Including Emergency Department and Hospital  
Based Clinic Visits)**

Table 59: Annual number and rate of ambulatory care visits\* for **hip fracture** in adults 65 years and older, Maryland, 2005

	<b>Number</b>	<b>Crude rate per 100,000 population (over 65)</b>	<b>Age-adjusted rate per 100,000 population</b>
<b>Maryland**</b>	<b>300</b>	<b>46.5</b>	<b>44.9</b>
Allegany County	17	***	***
Anne Arundel County	15	***	***
Baltimore City	57	74	69
Baltimore County	66	57.7	51.3
Calvert County	#	***	***
Caroline County	#	***	***
Carroll County	12	***	***
Cecil County	7	***	***
Charles County	#	***	***
Dorchester County	#	***	***
Frederick County	#	***	***
Garrett County	#	***	***
Harford County	8	***	***
Howard County	6	***	***
Kent County	#	***	***
Montgomery County	27	24.8	23.2
Prince George's County	41	57.4	63.6
Queen Anne's County	#	***	***
St. Mary's County	#	***	***
Somerset County	7	***	***
Talbot County	#	***	***
Washington County	#	***	***
Wicomico County	#	***	***
Worcester County	#	***	***

\*One patient may account for multiple ambulatory care visits.

\*\* Includes Maryland residents from unknown jurisdictions.

\*\*\* Rates based on fewer than 20 events are not presented since such rates are subject to instability.

# Cell sizes less than 6 are not displayed to ensure patient confidentiality

Table 60: Annual number of ambulatory care visits\* for **hip fracture** in adults 65 years and older, Maryland, 2005

	Total	Sex		Race		Age		
		Male	Female	White	African American	65-74 yrs	75-84 yrs	85+ yrs
<b>Maryland**</b>	<b>300</b>	<b>88</b>	<b>211</b>	<b>221</b>	<b>65</b>	<b>58</b>	<b>126</b>	<b>116</b>
Allegheny County	17	#	12	16	0	#	10	6
Anne Arundel County	15	6	9	12	#	#	#	#
Baltimore City	57	19	38	27	30	10	28	19
Baltimore County	66	14	52	61	#	9	28	29
Calvert County	#	#	#	#	#	0	0	#
Caroline County	#	#	#	#	0	0	#	#
Carroll County	12	#	8	11	#	#	#	#
Cecil County	7	#	6	7	0	#	#	#
Charles County	#	#	#	#	#	#	#	#
Dorchester County	#	#	#	#	#	#	#	#
Frederick County	#	#	#	#	0	0	#	#
Garrett County	#	0	#	#	0	#	0	0
Harford County	8	#	6	8	0	#	6	#
Howard County	6	0	6	#	#	#	#	#
Kent County	#	0	#	#	0	0	#	#
Montgomery County	27	10	17	20	#	6	10	11
Prince George's County	41	11	30	21	14	9	18	14
Queen Anne's County	#	0	#	#	0	#	0	0
St. Mary's County	#	#	#	#	0	#	0	#
Somerset County	7	#	#	#	#	#	#	#
Talbot County	#	#	#	#	#	#	0	#
Washington County	#	#	0	#	0	0	#	0
Wicomico County	#	#	0	#	0	0	0	#
Worcester County	#	#	#	#	#	#	#	#

\*One patient may account for multiple ambulatory care visits.

\*\* Includes Maryland residents from unknown jurisdictions.

# Cell sizes less than 6 are not displayed to ensure patient confidentiality

Table 61: Annual number and rate of ambulatory care visits for **vertebral fracture** in adults 65 years and older, Maryland, 2005

	<b>Number</b>	<b>Crude rate per 100,000 population (over 65)</b>	<b>Age-adjusted rate per 100,000 population</b>
<b>Maryland**</b>	<b>596</b>	<b>92.5</b>	<b>89.9</b>
Allegany County	25	188.3	167
Anne Arundel County	59	108.8	114.3
Baltimore City	47	61	58.4
Baltimore County	110	96.2	87.5
Calvert County	17	***	***
Caroline County	#	***	***
Carroll County	25	134.3	133.2
Cecil County	8	***	***
Charles County	#	***	***
Dorchester County	7	***	***
Frederick County	24	111.4	108.8
Garrett County	#	***	***
Harford County	25	96.4	98.6
Howard County	28	120.5	130.3
Kent County	#	***	***
Montgomery County	88	80.8	76.6
Prince George's County	25	35	36.9
Queen Anne's County	7	***	***
St. Mary's County	9	***	***
Somerset County	#	***	***
Talbot County	10	***	***
Washington County	22	112.2	101.8
Wicomico County	20	172.9	165.3
Worcester County	19	***	***

\*One patient may account for multiple ambulatory care visits.

\*\* Includes Maryland residents from unknown jurisdictions.

\*\*\* Rates based on fewer than 20 events are not presented since such rates are subject to instability.

# Cell sizes less than 6 are not displayed to ensure patient confidentiality

Table 62: Annual number of ambulatory care visits for **vertebral fracture** in adults 65 years and older, Maryland, 2005

	Total	Sex		Race		Age		
		Male	Female	White	African American	65-74 yrs	75-84 yrs	85+ yrs
<b>Maryland**</b>	<b>596</b>	<b>149</b>	<b>447</b>	<b>523</b>	<b>52</b>	<b>141</b>	<b>252</b>	<b>203</b>
Allegany County	25	#	21	25	0	#	14	9
Anne Arundel County	59	15	44	56	#	10	24	25
Baltimore City	47	8	39	33	14	12	23	12
Baltimore County	110	29	81	100	7	20	50	40
Calvert County	17	#	12	14	#	#	#	8
Caroline County	#	0	#	#	#	#	#	#
Carroll County	25	7	18	25	0	9	11	#
Cecil County	8	0	8	8	0	#	#	#
Charles County	#	#	#	#	0	0	#	#
Dorchester County	7	#	#	6	#	#	#	#
Frederick County	24	#	19	24	0	6	8	10
Garrett County	#	#	#	#	0	#	#	#
Harford County	25	6	19	23	#	8	12	#
Howard County	28	6	22	28	0	#	9	14
Kent County	#	0	#	#	#	0	#	0
Montgomery County	88	25	63	67	#	18	40	30
Prince George's County	25	7	18	12	12	10	9	6
Queen Anne's County	7	#	6	7	0	0	#	#
St. Mary's County	9	#	7	9	0	#	#	#
Somerset County	#	#	#	#	0	#	#	#
Talbot County	10	#	#	10	0	#	#	#
Washington County	22	#	18	21	#	#	#	13
Wicomico County	20	8	12	19	#	#	11	#
Worcester County	19	#	14	18	#	8	10	#

\*One patient may account for multiple ambulatory care visits.

\*\* Includes Maryland residents from unknown jurisdictions.

# Cell sizes less than 6 are not displayed to ensure patient confidentiality

# **Hospital Discharges**

Table 63: Annual number and rate of hospital discharges\* for **hip fracture** in adults 65 years and older, Maryland, 2005

	<b>Number</b>	<b>Crude rate per 100,000 population (over 65)</b>	<b>Age-adjusted rate per 100,000 population over 65</b>
<b>Maryland**</b>	<b>4,253</b>	<b>659.8</b>	<b>633.3</b>
Allegany County	153	1,152.2	1,038.1
Anne Arundel County	343	632.3	663.1
Baltimore City	494	640.9	588.2
Baltimore County	883	772.0	684.0
Calvert County	59	734.1	733.5
Caroline County	22	536.7	509.8
Carroll County	143	768.3	739.5
Cecil County	51	489.7	507.6
Charles County	60	537.7	580.7
Dorchester County	37	677.8	631.4
Frederick County	147	682.6	669.2
Garrett County	27	574.8	554.2
Harford County	152	586.4	608.8
Howard County	141	606.9	664.3
Kent County	34	889.8	769.8
Montgomery County	650	596.8	541.0
Prince George's County	298	417.0	464.2
Queen Anne's County	37	624.1	640.6
St. Mary's County	55	605.6	626.8
Somerset County	22	625.2	613.2
Talbot County	65	833.3	727.8
Washington County	160	816.1	751.0
Wicomico County	133	1,149.6	1,066.70
Worcester County	82	767.1	766.4

\*One patient may account for multiple hospital discharges.

\*\* Includes Maryland residents from unknown jurisdictions.

Table 64: Annual number of hospital discharges\* for **hip fracture** in adults 65 years and older, Maryland, 2005

	Total	Sex		Race		Age		
		Male	Female	White	African American	65-74 yrs	75-84 yrs	85+ yrs
<b>Maryland**</b>	<b>4,253</b>	<b>1,159</b>	<b>3,094</b>	<b>3,728</b>	<b>413</b>	<b>661</b>	<b>1,772</b>	<b>1,820</b>
Allegany County	153	38	115	152	#	24	73	56
Anne Arundel County	343	91	252	329	11	63	142	138
Baltimore City	494	151	343	331	154	94	199	201
Baltimore County	883	230	653	821	53	114	377	392
Calvert County	59	17	42	49	9	7	25	27
Caroline County	22	7	15	21	#	#	10	8
Carroll County	143	29	114	141	#	16	64	63
Cecil County	51	16	35	51	0	10	19	22
Charles County	60	20	40	59	#	13	25	22
Dorchester County	37	10	27	32	#	6	13	18
Frederick County	147	41	106	145	0	24	67	56
Garrett County	27	8	19	27	0	#	13	11
Harford County	152	36	116	143	7	33	67	52
Howard County	141	42	99	128	#	18	63	60
Kent County	34	11	23	30	#	#	15	16
Montgomery County	650	166	484	548	43	72	240	338
Prince George's County	298	98	200	188	98	60	134	104
Queen Anne's County	37	12	25	36	#	6	16	15
St. Mary's County	55	16	39	53	#	12	16	27
Somerset County	22	9	13	20	#	6	8	8
Talbot County	65	20	45	62	#	9	24	32
Washington County	160	34	126	160	0	23	67	70
Wicomico County	133	35	98	127	#	20	53	60
Worcester County	82	19	63	71	9	20	41	21

\* One patient may account for multiple hospital discharges.

\*\*Includes Maryland residents from unknown jurisdictions.

# Cell sizes less than 6 are not displayed to ensure patient confidentiality

Table 65: Annual number of hospital discharges\* for **hip fracture**, by length of stay and hospital costs, Maryland, 2005

	Length of stay		Cost	
	Total no. of days	Average no. of days	Total cost	Average cost
<b>Maryland</b>	<b>27,151</b>	<b>6.4</b>	<b>\$66,510,290</b>	<b>\$15,638</b>
Allegany County	986	6.4	\$2,199,737	\$14,377
Anne Arundel County	1,938	5.7	\$4,919,254	\$14,342
Baltimore City	3,716	7.5	\$10,225,098	\$20,699
Baltimore County	5,236	5.9	\$14,249,990	\$16,138
Calvert County	300	5.1	\$753,346	\$12,769
Caroline County	135	6.1	\$308,433	\$14,020
Carroll County	831	5.8	\$2,094,991	\$14,650
Cecil County	278	5.5	\$643,836	\$12,624
Charles County	389	6.5	\$844,830	\$14,081
Dorchester County	294	7.9	\$675,972	\$18,270
Frederick County	804	5.5	\$1,780,777	\$12,114
Garrett County	151	5.6	\$304,930	\$11,294
Harford County	885	5.8	\$2,067,876	\$13,604
Howard County	870	6.2	\$2,076,762	\$14,729
Kent County	221	6.5	\$444,519	\$13,074
Montgomery County	3,797	5.8	\$9,570,599	\$14,724
Prince George's County	2,007	6.7	\$5,284,201	\$17,732
Queen Anne's County	233	6.3	\$556,822	\$15,049
St. Mary's County	262	4.8	\$737,344	\$13,406
Somerset County	190	8.6	\$314,263	\$14,285
Talbot County	407	6.3	\$1,088,905	\$16,752
Washington County	1,019	6.4	\$1,947,693	\$12,173
Wicomico County	1,535	11.5	\$2,073,484	\$15,590
Worcester County	599	7.3	\$1,116,721	\$13,619

\* One patient may account for multiple hospital discharges.

Table 66: Annual number and rate of hospital discharges\* for **vertebral fracture** in adults 65 years and older, Maryland, 2005

	<b>Number</b>	<b>Crude rate per 100,000 population (over 65)</b>	<b>Age-adjusted rate per 100,000 population</b>
<b>Maryland**</b>	<b>1,038</b>	<b>161.0</b>	<b>156.5</b>
Allegany County	32	241	222.5
Anne Arundel County	74	136.4	141.8
Baltimore City	104	134.9	127.8
Baltimore County	246	215.1	197.2
Calvert County	12	***	***
Caroline County	#	***	***
Carroll County	58	311.6	303.8
Cecil County	13	***	***
Charles County	13	***	***
Dorchester County	12	***	***
Frederick County	30	139.3	135.5
Garrett County	#	***	***
Harford County	33	127.3	130.8
Howard County	39	167.9	181.9
Kent County	12	***	***
Montgomery County	175	160.7	149.3
Prince George's County	52	72.8	78.4
Queen Anne's County	8	***	***
St. Mary's County	15	***	***
Somerset County	#	***	***
Talbot County	13	***	***
Washington County	32	163.2	150.0
Wicomico County	34	293.9	283.6
Worcester County	18	***	***

\*One patient may account for multiple hospital discharges.

\*\* Includes Maryland residents from unknown jurisdictions.

\*\*\* Rates based on fewer than 20 events are not presented since such rates are subject to instability.

# Cell sizes less than 6 are not displayed to ensure patient confidentiality

Table 67: Annual number of hospital discharges\* for **vertebral fracture** in adults 65 years and older, Maryland, 2005

	Total	Sex		Race		Age		
		Male	Female	White	African American	65-74 yrs	75-84 yrs	85+ yrs
<b>Maryland**</b>	<b>1,038</b>	<b>324</b>	<b>714</b>	<b>917</b>	<b>79</b>	<b>237</b>	<b>451</b>	<b>350</b>
Allegany County	32	#	27	32	0	8	13	11
Anne Arundel County	74	19	55	67	6	15	38	21
Baltimore City	104	37	67	63	36	28	44	32
Baltimore County	246	66	180	235	8	45	123	78
Calvert County	12	#	7	11	#	#	#	#
Caroline County	#	#	#	#	0	#	#	#
Carroll County	58	17	41	56	0	19	19	20
Cecil County	13	#	8	13	0	#	7	#
Charles County	13	#	9	13	0	#	7	#
Dorchester County	12	#	7	9	#	#	#	7
Frederick County	30	14	16	27	0	#	12	14
Garrett County	#	0	#	#	0	0	#	0
Harford County	33	13	20	33	0	11	12	10
Howard County	39	15	24	38	#	7	17	15
Kent County	12	8	#	11	#	#	7	#
Montgomery County	175	45	130	149	#	29	72	74
Prince George's County	52	20	32	34	15	17	21	14
Queen Anne's County	8	#	#	7	#	#	#	#
St. Mary's County	15	#	11	14	#	8	#	#
Somerset County	#	0	#	#	0	#	#	0
Talbot County	13	#	9	13	0	#	#	#
Washington County	32	7	25	32	0	7	9	16
Wicomico County	34	12	22	31	#	9	17	8
Worcester County	18	10	8	17	#	7	9	#

\*One patient may account for multiple hospital discharges.

\*\* Includes Maryland residents from unknown jurisdictions.

# Cell sizes less than 6 are not displayed to ensure patient confidentiality

Table 68: Annual number of hospital discharges\* for **vertebral fracture**, by length of stay and hospital costs, Maryland, 2005

	Length of stay		Cost	
	Total no. of days	Average no. of days	Total cost	Average cost
<b>Maryland**</b>	<b>6,472</b>	<b>6.2</b>	<b>\$15,877,698</b>	<b>\$15,296</b>
Allegany County	177	5.5	\$362,216	\$11,319
Anne Arundel County	456	6.2	\$1,166,990	\$15,770
Baltimore City	796	7.7	\$2,323,805	\$22,344
Baltimore County	1,411	5.7	\$3,428,868	\$13,938
Calvert County	56	4.7	\$117,865	\$9,822
Caroline County	23	4.6	\$41,682	\$8,336
Carroll County	328	5.7	\$625,800	\$10,790
Cecil County	62	4.8	\$155,208	\$11,939
Charles County	62	4.8	\$115,359	\$8,874
Dorchester County	75	6.3	\$160,480	\$13,373
Frederick County	185	6.2	\$574,940	\$19,165
Garrett County	14	4.7	\$20,378	\$6,793
Harford County	179	5.4	\$578,823	\$17,540
Howard County	274	7	\$772,840	\$19,816
Kent County	77	6.4	\$132,398	\$11,033
Montgomery County	1,188	6.8	\$2,813,604	\$16,078
Prince George's County	294	5.7	\$676,625	\$13,012
Queen Anne's County	49	6.1	\$74,463	\$9,308
St. Mary's County	82	5.5	\$146,765	\$9,784
Somerset County	17	8.5	\$13,744	\$6,872
Talbot County	59	4.5	\$188,576	\$14,506
Washington County	198	6.2	\$409,790	\$12,806
Wicomico County	237	7	\$535,335	\$15,745
Worcester County	160	8.9	\$387,428	\$21,524

\* One patient may account for multiple hospital discharges.

\*\* Includes Maryland residents from unknown jurisdictions

## APPENDIX

### Appendix 1: 2005 Maryland Population Estimates by Jurisdiction and Age

	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	TOTAL
<b>Allegany</b>	641	2,771	7,915	11,939	9,088	9,862	9,881	8,263	6,096	4,990	2,193	73,639
<b>Anne Arundel</b>	6,899	27,644	69,717	68,411	64,025	84,711	77,489	57,739	29,672	18,528	6,043	510,878
<b>Baltimore City</b>	9,388	37,809	86,006	98,444	82,942	89,349	91,081	63,717	37,199	27,537	12,343	635,815
<b>Baltimore County</b>	9,259	37,979	100,443	108,645	94,546	116,912	118,981	84,963	52,416	43,835	18,134	786,113
<b>Calvert County</b>	1,069	4,301	12,923	12,888	10,714	14,959	13,915	9,119	4,313	2,682	1,042	87,925
<b>Caroline County</b>	385	1,669	4,326	4,485	4,063	4,678	4,651	3,466	2,049	1,445	605	31,822
<b>Carroll County</b>	1,853	7,873	24,087	24,287	19,244	27,280	26,971	18,334	9,544	6,524	2,544	168,541
<b>Cecil County</b>	1,229	4,869	13,938	13,357	13,941	15,747	14,362	9,939	5,592	3,644	1,178	97,796
<b>Charles County</b>	1,948	7,821	21,043	19,795	19,166	24,031	20,295	13,564	6,516	3,383	1,260	138,822
<b>Dorchester</b>	378	1,373	3,804	3,993	3,482	4,397	4,658	3,857	2,663	2,023	773	31,401
<b>Frederick County</b>	3,142	12,460	32,305	30,331	28,205	37,412	33,703	21,608	11,160	7,522	2,853	220,701
<b>Garrett</b>	352	1,250	3,971	3,851	3,583	4,241	4,388	3,576	2,414	1,627	656	29,909
<b>Harford County</b>	2,899	12,063	35,679	32,575	28,259	38,893	37,155	25,814	14,112	8,905	2,905	239,259
<b>Howard County</b>	3,506	14,642	41,216	34,845	31,629	47,118	43,963	29,306	13,396	7,266	2,570	269,457
<b>Kent County</b>	157	666	2,072	3,646	1,956	2,489	2,626	2,466	1,731	1,472	618	19,899
<b>Montgomery County</b>	13,869	54,068	127,201	114,111	108,147	149,403	148,527	103,335	54,016	38,220	16,686	927,583
<b>Prince George's County</b>	13,718	52,238	123,704	126,835	116,793	135,176	121,536	84,652	42,523	21,336	7,612	846,123
<b>Queen Anne's County</b>	510	2,084	6,126	5,821	5,028	7,326	7,154	5,634	3,216	2,005	708	45,612
<b>Saint Mary's County</b>	1,322	5,448	14,019	14,746	13,279	16,211	13,461	8,950	4,904	3,136	1,042	96,518
<b>Somerset County</b>	270	1,062	2,564	5,197	3,720	3,631	3,298	2,584	1,791	1,271	457	25,845
<b>Talbot County</b>	317	1,413	3,990	4,127	3,806	4,680	5,033	4,517	3,549	2,984	1,267	35,683
<b>Washington County</b>	1,727	6,789	17,932	18,626	20,575	22,446	20,002	14,192	9,498	7,181	2,927	141,895
<b>Wicomico County</b>	1,218	4,742	11,700	15,332	11,328	12,430	12,827	9,256	5,633	4,263	1,673	90,402
<b>Worcester County</b>	437	1,960	5,180	5,388	5,593	6,868	6,739	5,896	5,498	3,955	1,236	48,750
<b>Maryland</b>	76,493	304,994	771,861	781,675	703,112	880,250	842,696	594,747	329,501	225,734	89,325	5,600,388

Source: <http://www.vsa.state.md.us/doc/05annual.pdf>  
 Accessed 15 March 2007

## Appendix 2: Additional Analysis of Diabetes Data

Table 69: Annual number of hospital discharges\* with **ischemic disease** as a primary diagnosis and **diabetes** as a secondary diagnosis by sex, race, age, and length of stay, Maryland, 2005

	Discharges		Length of Stay	
	Number	Crude rate per 100,000 population	Total no. of days	Average no. days
<b>Maryland</b>	<b>11,094</b>	<b>198.1</b>	<b>37,202</b>	<b>3.4</b>
<b>Sex</b>				
Male	6,091	224.5	19,628	3.2
Female	5,003	173.3	17,574	3.5
<b>Race</b>				
White	7,406	204.4	24,099	3.3
African American	3,034	181.4	10,912	3.6
<b>Age</b>				
0-14 yrs	0	0.0	0	--
15-34 yrs	34	2.3	78	2.3
35-44 yrs	425	48.3	1,107	2.6
45-54 yrs	1,710	202.9	4,367	2.6
55-64 yrs	3,068	515.8	9,092	3.0
65-74 yrs	2,942	892.9	10,659	3.6
75+ yrs	2,915	925.2	11,899	4.1
<b>Jurisdiction</b>				
Allegany County	378	513.3	1,229	3.3
Anne Arundel County	992	194.2	2,968	3.0
Baltimore City	1,715	269.7	6,399	3.7
Baltimore County	2,243	285.3	7,396	3.3
Calvert County	147	167.2	360	2.4
Caroline County	74	232.5	271	3.7
Carroll County	474	281.2	1,497	3.2
Cecil County	203	207.6	497	2.4
Charles County	142	102.3	418	2.9
Dorchester County	74	235.7	268	3.6
Frederick County	232	105.1	611	2.6
Garrett County	65	217.3	263	4.0
Harford County	684	285.9	1,916	2.8
Howard County	249	92.4	854	3.4
Kent County	31	155.8	101	3.3
Montgomery County	919	99.1	3,145	3.4
Prince George's County	1,242	146.8	4,510	3.6
Queen Anne's County	54	118.4	146	2.7
St. Mary's County	131	135.7	249	1.9
Somerset County	98	379.2	407	4.2
Talbot County	91	255.0	302	3.3
Washington County	300	211.4	1,006	3.4
Wicomico County	326	360.6	1,353	4.2
Worcester County	168	344.6	752	4.5

\*One patient may account for multiple hospital discharges.

Table 70: Annual number of hospital discharges\* with **cerebrovascular disease** as a primary diagnosis and **diabetes** as a secondary diagnosis by gender, race, age, jurisdiction, and length of stay, Maryland, 2005

		Discharges		Length of Stay	
		Number	Crude rate per 100,000 population	Total no. of days	Average no. days
<b>Maryland</b>		<b>5,532</b>	<b>98.8</b>	25,647	4.6
<b>Gender</b>	Male	2,572	94.8	11,884	4.6
	Female	2,960	102.5	13,763	4.6
<b>Race</b>	White	3,151	87.0	13,703	4.3
	African American	2,139	127.9	10,771	5.0
	Asian	80			
	American Indian	13			
<b>Age</b>					
	0-14 yrs	0	0.0	0	--
	15-34 yrs	15	1.0	109	7.3
	35-44 yrs	156	17.7	708	4.5
	45-54 yrs	547	64.9	2,508	4.6
	55-64 yrs	1,187	199.6	5,378	4.5
	65-74 yrs	1,562	474.1	6,939	4.4
	75+ yrs	2,065	655.4	10,005	4.8
<b>Jurisdiction</b>					
	Allegany County	134	182.0	694	5.2
	Anne Arundel County	483	94.5	1,881	3.9
	Baltimore City	1,059	166.6	4,968	4.7
	Baltimore County	945	120.2	3,950	4.2
	Calvert County	72	81.9	314	4.4
	Caroline County	36	113.1	159	4.4
	Carroll County	174	103.2	607	3.5
	Cecil County	81	82.8	279	3.4
	Charles County	96	69.2	421	4.4
	Dorchester County	40	127.4	179	4.5
	Frederick County	147	66.6	696	4.7
	Garrett County	28	93.6	139	5.0
	Harford County	286	119.5	1,055	3.7
	Howard County	118	43.8	574	4.9
	Kent County	22	110.6	107	4.9
	Montgomery County	493	53.1	2,552	5.2
	Prince George's County	710	83.9	3,619	5.1
	Queen Anne's County	44	96.5	159	3.6
	Saint Mary's County	70	72.5	270	3.9
	Somerset County	49	189.6	308	6.3
	Talbot County	44	123.3	177	4.0
	Washington County	160	112.8	590	3.7
	Wicomico County	133	147.1	1,103	8.3
	Worcester County	100	205.1	817	8.2

\*One patient may account for multiple hospital discharges

Table 71: Annual number of hospital discharges\* for any diagnosis of **diabetes** by sex, race, and age, Maryland, 2005

	Total <sup>†</sup>	Sex		Race		Age						
		Male	Female	White	African American	0-14 yrs	15-34 yrs	35-44 yrs	45-54yrs	55-64 yrs	65-74 yrs	75+ yrs
<b>Maryland**</b>	131,675	59,666	72,008	75,687	50,640	361	4,561	9,451	19,758	28,401	30,918	38,225
Allegany County	3,381	1,458	1,923	3,229	132	7	87	166	308	660	857	1,296
Anne Arundel County	10,645	5,096	5,549	8,221	2,103	34	256	720	1,441	2,431	2,684	3,079
Baltimore City	28,858	12,018	16,840	7,269	21,100	75	1,289	2,651	5,474	6,561	6,407	6,401
Baltimore County	23,566	10,985	12,581	16,350	6,570	72	754	1,539	3,381	4,804	5,459	7,557
Calvert County	1,657	682	975	1,133	507	#	35	133	245	343	359	539
Caroline County	949	463	486	750	186	#	31	51	138	175	288	264
Carroll County	3,823	1,892	1,931	3,515	230	25	109	189	507	856	863	1,274
Cecil County	2,446	1,107	1,339	2,227	202	#	96	214	352	523	630	630
Charles County	2,395	1,056	1,339	1,449	884	#	81	201	395	500	563	654
Dorchester County	1,215	507	708	709	483	#	34	116	191	247	279	346
Frederick County	3,365	1,624	1,741	2,954	318	12	111	213	456	703	757	1,113
Garrett County	648	277	371	640	#	0	9	36	54	131	192	226
Harford County	5,641	2,721	2,920	4,629	846	23	175	340	821	1,281	1,378	1,623
Howard County	3,182	1,533	1,649	2,165	741	26	84	171	416	716	786	983
Kent County	614	301	313	427	174	#	6	37	68	122	140	239
Montgomery County	10,932	5,139	5,793	6,383	2,702	19	296	623	1,350	1,994	2,381	4,269
Prince George's County	15,402	6,733	8,669	3,828	10,546	#	656	1,213	2,389	3,604	3,819	3,716
Queen Anne's County	817	420	397	653	160	#	20	44	107	182	202	259
Saint Mary's County	2,103	941	1,162	1,473	611	#	93	168	304	461	474	601
Somerset County	865	366	499	541	314	#	18	70	89	169	249	265
Talbot County	1,044	488	556	716	307	#	37	75	140	196	241	350
Washington County	3,506	1,609	1,897	3,258	178	12	124	203	455	771	773	1,168
Wicomico County	2,660	1,222	1,437	1,850	761	20	98	162	401	562	606	811
Worcester County	1,478	798	680	1,079	374	#	34	77	163	267	434	500

\*One patient may account for multiple hospital discharges

\*\*Includes Maryland residents from unknown jurisdictions.

† Includes individuals of unknown sex, race, and age.

# Cell sizes less than 6 are not displayed to ensure patient confidentiality

Table 72: Annual hospital discharge crude rates\* per 100,000 population for any diagnosis of **diabetes** by sex, race, and age, Maryland, 2005

	Number <sup>†</sup>	Sex		Race		Age						
		Male	Female	White	African American	0-14 yrs	15-34 yrs	35-44 yrs	45-54yrs	55-64 yrs	65-74 yrs	75+ yrs
<b>Maryland**</b>	2,351.2	2,199.0	2,494.1	2,089.1	3,028.2	31.3	307.2	1,073.7	2,344.6	4,775.3	9,383.3	12,132.6
Allegany County	4,591.3	3,947.5	5,239.2	4,709.6	2,908.1	#	413.8	1,683.2	3,117.1	7,987.4	14,058.4	18,042.6
Anne Arundel County	2,083.7	1,999.5	2,167.4	1,977.8	2,728.1	32.6	193.3	849.9	1,859.6	4,210.3	9,045.6	12,531.0
Baltimore City	4,538.7	4,054.9	4,961.2	3,573.7	5,061.6	56.3	710.6	2,967.0	6,010.0	10,297.1	17,223.6	16,050.7
Baltimore County	2,997.8	2,937.6	3,052.4	2,925.3	3,420.5	48.8	371.1	1,316.4	2,841.6	5,654.2	10,414.8	12,194.8
Calvert County	1,884.6	1,573.6	2,186.9	1,509.6	4,399.9	#	148.3	889.1	1,760.7	3,761.4	8,323.7	14,473.7
Caroline County	2,982.2	2,976.7	2,987.5	2,785.9	4,094.2	#	362.7	1,090.2	2,967.1	5,049.0	14,055.6	12,878.0
Carroll County	2,268.3	2,266.7	2,269.8	2,190.2	4,415.4	73.9	250.4	692.8	1,879.8	4,668.9	9,042.3	14,049.4
Cecil County	2,501.1	2,294.5	2,702.3	2,436.1	4,000.0	#	351.7	1,359.0	2,450.9	5,262.1	11,266.1	13,065.1
Charles County	1,725.2	1,552.8	1,890.8	1,706.2	1,797.6	#	207.9	836.4	1,946.3	3,686.2	8,640.3	14,085.7
Dorchester County	3,869.3	3,406.6	4,286.2	3,175.7	5,528.8	#	454.8	2,638.2	4,100.5	6,403.9	10,476.9	12,374.8
Frederick County	1,524.7	1,487.9	1,560.7	1,516.7	1,756.3	25.0	189.6	569.3	1,353.0	3,253.4	6,783.2	10,727.7
Garrett County	2,166.6	1,872.3	2,454.7	2,157.9	#	0.0	#	848.9	1,230.6	3,663.3	7,953.6	9,899.3
Harford County	2,357.7	2,319.4	2,394.5	2,259.2	2,957.8	45.4	287.7	874.2	2,209.7	4,962.4	9,764.7	13,742.6
Howard County	1,180.9	1,157.1	1,203.9	1,123.3	1,642.3	43.8	126.4	362.9	946.3	2,443.2	5,867.4	9,993.9
Kent County	3,085.6	3,150.5	3,025.6	2,588.5	5,478.6	#	#	1,486.5	2,589.5	4,947.3	8,087.8	11,435.4
Montgomery County	1,178.5	1,150.6	1,204.5	998.7	1,720.4	#	133.2	417.0	908.9	1,929.6	4,408.0	7,775.1
Prince George's County	1,820.3	1,654.0	1,974.5	1,612.9	1,853.1	#	269.3	897.3	1,965.7	4,257.4	8,981.0	12,836.8
Queen Anne's County	1,791.2	1,855.3	1,728.0	1,577.2	4,411.4	#	184.3	600.6	1,495.7	3,230.4	6,281.1	9,546.6
St. Mary's County	2,178.9	1,949.9	2,407.9	1,847.2	4,290.1	#	331.8	1,036.3	2,258.4	5,150.8	9,665.6	14,384.9
Somerset County	3,346.9	2,656.2	4,135.6	3,682.8	2,894.0	#	201.9	1,927.8	2,698.6	6,540.2	13,902.8	15,335.6
Talbot County	2,925.8	2,869.4	2,977.1	2,377.2	5,955.4	#	466.4	1,602.6	2,781.6	4,339.2	6,790.6	8,233.4
Washington County	2,470.8	2,226.7	2,724.2	2,567.7	1,370.6	#	316.3	904.4	2,274.8	5,432.6	8,138.6	11,555.2
Wicomico County	2,942.4	2,837.8	3,035.4	2,778.7	3,473.3	113.3	367.6	1,303.3	3,126.2	6,071.7	10,758.0	13,662.4
Worcester County	3,031.8	3,369.5	2,712.7	2,642.3	5,064.3	#	309.6	1,121.1	2,418.8	4,528.5	7,893.8	9,632.1

\*One patient may account for multiple hospital discharges.

\*\*Includes Maryland residents from unknown jurisdictions.

† Includes individuals of unknown sex, race, and age.

#Rates based on fewer than 20 events are not presented since such rates are subject to instability.

Table 73: Annual number of ambulatory care visits\* for any diagnosis of **diabetes** by sex, race, and age, Maryland, 2005

	Total <sup>†</sup>	Sex		Race		Age						
		Male	Female	White	African American	0-14 yrs	15-34 yrs	35-44 yrs	45-54 yrs	55-64 yrs	65-74 yrs	75+ yrs
<b>Maryland**</b>	<b>105,265</b>	<b>44,988</b>	<b>60,269</b>	<b>49,740</b>	<b>51,128</b>	<b>1,024</b>	<b>9,487</b>	<b>14,789</b>	<b>22,926</b>	<b>23,616</b>	<b>18,207</b>	<b>15,216</b>
Allegany County	3,029	1,261	1,768	2,833	166	19	226	372	435	626	635	716
Anne Arundel County	8,862	4,001	4,860	5,877	2,651	109	785	1,261	1,862	1,991	1,491	1,363
Baltimore City	32,085	12,559	19,522	5,969	25,447	185	2,925	4,832	7,668	7,495	5,641	3,339
Baltimore County	19,759	8,902	10,856	11,744	7,306	155	1,758	2,663	4,223	4,283	3,427	3,250
Calvert County	432	204	228	234	191	12	25	81	87	98	70	59
Caroline County	714	292	422	486	214	#	62	95	143	181	124	106
Carroll County	1,053	539	514	914	106	35	101	138	203	243	157	176
Cecil County	1,957	849	1,108	1,764	178	20	244	314	416	396	330	237
Charles County	326	171	155	163	153	6	62	58	69	57	47	27
Dorchester County	1,158	431	727	532	602	7	129	205	256	202	177	182
Frederick County	1,332	653	679	1,078	207	22	102	185	268	307	214	234
Garrett County	410	185	225	405	#	#	29	41	62	85	101	89
Harford County	4,264	1,967	2,295	3,230	872	80	421	507	882	951	739	684
Howard County	4,019	1,782	2,237	2,356	1,280	72	304	446	765	1,045	724	663
Kent County	172	94	78	88	78	7	9	23	27	26	31	49
Montgomery County	4,846	2,209	2,637	2,073	1,640	81	397	661	1,022	1,013	727	945
Prince George's County	8,021	3,312	4,709	1,464	5,994	58	825	1,250	1,915	1,875	1,221	877
Queen Anne's County	584	283	301	399	177	7	45	46	115	119	117	135
St. Mary's County	431	187	244	269	156	11	62	58	90	83	72	55
Somerset County	2,317	974	1,343	1,392	892	6	130	253	380	577	548	423
Talbot County	1,026	447	579	646	359	7	95	144	217	185	178	200
Washington County	3,776	1,630	2,146	3,334	385	47	295	530	798	815	621	670
Wicomico County	2,640	1,120	1,520	1,376	1,210	29	271	383	653	517	383	404
Worcester County	1,465	686	779	867	577	27	115	156	240	314	335	278

\*One patient may account for multiple ambulatory care visits.

\*\*Includes Maryland residents from unknown jurisdictions.

† Includes individuals of unknown sex, race, and age.

# Cell sizes less than 6 are not displayed to ensure patient confidentiality

Table 74: Annual ambulatory care crude rates\* per 100,000 population for any diagnosis of **diabetes** by sex, race, and age, Maryland, 2005

	Total <sup>†</sup>	Sex		Race		Age						
		Male	Female	White	African American	0-14 yrs	15-34 yrs	35-44 yrs	45-54yrs	55-64 yrs	65-74 yrs	75+ yrs
<b>Maryland**</b>	<b>1,879.6</b>	<b>1,658.0</b>	<b>2,087.5</b>	<b>1,372.9</b>	<b>3,057.4</b>	<b>88.8</b>	<b>638.9</b>	<b>1,680.1</b>	<b>2,720.6</b>	<b>3,970.8</b>	<b>5,525.6</b>	<b>4,829.6</b>
Allegany County	4,113.3	3,414.1	4,816.9	4,132.0	3,657.2	167.7	1,074.8	3,772.1	4,402.4	7,575.9	10,416.7	9,968.0
Anne Arundel County	1,734.7	1,569.9	1,898.3	1,413.9	3,439.0	104.5	592.7	1,488.6	2,402.9	3,448.3	5,024.9	5,547.2
Baltimore City	5,046.3	4,237.5	5,751.3	2,934.5	6,104.4	138.9	1,612.6	5,408.0	8,418.9	11,763.0	15,164.4	8,372.6
Baltimore County	2,513.5	2,380.5	2,633.9	2,101.2	3,803.7	105.0	865.2	2,277.8	3,549.3	5,041.0	6,538.1	5,244.6
Calvert County	491.3	470.7	511.4	311.8	1,657.6	65.6	105.9	541.5	625.2	1,074.7	1,623.0	1,584.3
Caroline County	2,243.7	1,877.3	2,594.0	1,805.3	4,710.5	#	725.3	2,030.8	3,074.6	5,222.2	6,051.7	5,170.7
Carroll County	624.8	645.7	604.2	569.5	2,034.9	103.5	232.0	505.9	752.7	1,325.4	1,645.0	1,940.9
Cecil County	2,001.1	1,759.8	2,236.1	1,929.6	3,524.8	99.8	893.8	1,994.0	2,896.5	3,984.3	5,901.3	4,915.0
Charles County	234.8	251.4	218.9	191.9	311.1	19.5	159.1	241.4	340.0	420.2	721.3	581.5
Dorchester County	3,687.8	2,895.9	4,401.3	2,382.9	6,891.0	126.0	1,725.8	4,662.3	5,495.9	5,237.2	6,646.6	6,509.3
Frederick County	603.5	598.3	608.7	553.5	1,143.3	45.9	174.3	494.5	795.2	1,420.8	1,917.6	2,255.4
Garrett County	1,370.8	1,250.4	1,488.7	1,365.5	#	#	390.1	966.8	1,412.9	2,377.0	4,183.9	3,898.4
Harford County	1,782.2	1,676.7	1,882.0	1,576.4	3,048.7	158.0	692.0	1,303.6	2,373.8	3,684.0	5,236.7	5,791.7
Howard County	1,491.5	1,345.0	1,633.3	1,222.4	2,836.8	121.3	457.3	946.6	1,740.1	3,565.8	5,404.6	6,740.5
Kent County	864.4	983.9	754.0	533.5	2,455.9	241.8	160.7	924.1	1,028.2	1,054.3	1,790.9	2,344.5
Montgomery County	522.4	494.6	548.3	324.4	1,044.2	41.5	178.6	442.4	688.1	980.3	1,345.9	1,721.1
Prince George's County	948.0	813.6	1,072.5	616.8	1,053.2	30.6	338.6	924.7	1,575.7	2,215.0	2,871.4	3,029.6
Queen Anne's County	1,280.4	1,250.1	1,310.2	963.7	4,880.1	80.3	414.8	627.9	1,607.5	2,112.2	3,638.1	4,976.0
Saint Mary's County	446.5	387.5	505.6	337.3	1,095.4	52.9	221.2	357.8	668.6	927.4	1,468.2	1,316.4
Somerset County	8,965.0	7,068.7	11,130.4	9,475.8	8,221.2	154.0	1,457.9	6,967.8	11,522.1	22,329.7	30,597.4	24,479.2
Talbot County	2,875.3	2,628.3	3,100.2	2,144.8	6,964.1	122.4	1,197.5	3,076.9	4,311.5	4,095.6	5,015.5	4,704.8
Washington County	2,661.1	2,255.7	3,081.8	2,627.6	2,964.5	177.7	752.5	2,361.2	3,989.6	5,742.7	6,538.2	6,628.4
Wicomico County	2,920.3	2,601.0	3,210.7	2,066.7	5,522.6	164.2	1,016.5	3,081.3	5,090.8	5,585.6	6,799.2	6,805.9
Worcester County	3,005.1	2,896.6	3,107.7	2,123.1	7,813.1	356.3	1,047.3	2,271.4	3,561.4	5,325.6	6,093.1	5,355.4

\*One patient may account for multiple ambulatory care visits.

\*\*Includes Maryland residents from unknown jurisdictions.

† Includes individuals of unknown sex, race, and age.

#Rates based on fewer than 20 events are not presented since such rates are subject to instability.

Table 75: Adults with diabetes who report ever attending a diabetes self-management class, 2005

	Total		Yes		No	
	Number	Percentage	Number	Percentage	Number	Percentage
<b>Maryland</b>	303,528	<b>100.0</b>	160,101	52.7	143,428	47.3
<b>Sex</b>						
Male	140,815	100.0	73,013	51.9	67,802	48.1
Female	162,714	100.0	87,088	53.5	75,626	46.5
<b>Race</b>						
White	169,460	100.0	86,463	51	82,996	49
Black	100,718	100.0	57,403	57	43,315	43
<b>Age</b>						
18-34 yrs	13,819	100.0	*	*	*	*
35-49 yrs	61,074	100.0	32,305	52.9	28,769	47.1
50-64 yrs	112,475	100.0	59,416	52.8	53,058	47.2
65+ yrs	114,562	100.0	59,911	52.3	54,651	47.7
<b>Region</b>						
Baltimore City	44,577	100.0	*	*	*	*
Baltimore Region	98,676	100.0	49,256	49.9	49,420	50.1
Montgomery County	33,159	100.0	*	*	*	*
Prince George's County	50,130	100.0	*	*	*	*
Eastern Shore	27,600	100.0	13,010	47.1	14,590	52.9
Northwest Region	33,009	100.0	17,398	52.7	15,610	47.3
Southern Region	16,378	100.0	*	*	*	*

\* Sample sizes less than 50 are statistically unstable. Therefore, these data are not displayed.

Table 76: Annual number of hospital discharges\* for primary diagnosis of diabetes by manifestation, Maryland, 2005

	<b>Total<sup>†</sup></b>	<b>Ketoacidosis</b>	<b>Neurological manifestations</b>	<b>Peripheral circulatory disorders</b>	<b>Renal manifestations</b>	<b>Hyperosmolarity</b>
<b>Maryland**</b>	9,344	2,151	1,492	705	342	465
Allegany County	204	45	21	26	15	6
Anne Arundel County	637	163	108	39	24	22
Baltimore City	2,534	561	371	192	81	182
Baltimore County	1,450	321	306	116	41	53
Calvert County	108	18	20	#	6	7
Caroline County	55	12	12	11	#	#
Carroll County	226	48	39	18	#	12
Cecil County	202	54	39	6	11	#
Charles County	171	43	23	9	#	15
Dorchester County	76	6	15	#	#	#
Frederick County	240	72	43	15	7	11
Garrett County	25	#	#	#	#	#
Harford County	353	82	55	18	14	10
Howard County	219	55	41	20	10	8
Kent County	38	#	#	#	#	#
Montgomery County	708	152	73	60	34	26
Prince George's County	1,299	304	198	92	48	70
Queen Anne's County	41	#	11	#	#	#
St. Mary's County	155	34	13	13	15	#
Somerset County	54	14	#	#	#	#
Talbot County	77	28	13	7	#	#
Washington County	176	65	16	15	#	#
Wicomico County	196	44	48	17	6	11
Worcester County	69	14	11	9	#	#

\*One patient may account for multiple hospital discharges.

\*\* Includes Maryland residents from unknown jurisdictions.

<sup>†</sup> Includes hospitalizations with other, unspecified, or no mention of complications.

# To protect patient confidentiality, cell sizes less than 6 are not displayed

### Appendix 3: ICD-9 and -10 Codes used for Analyses

Table 77: ICD-10 Codes for Vital Statistics Mortality Analyses by Disease

<b>Disease</b>	<b>Code and Definition</b>	<b>Subclassification Code and Definition</b>
<b>Mortality from major cardiovascular disease</b>	Underlying cause ICD-10-CM codes I00-I78	
	(I00-I02) Acute rheumatic fever	(I00) Rheumatic fever without mention of heart involvement
		(I01) Rheumatic fever with heart involvement
	(I05-I09) Chronic rheumatic heart diseases	(I05) Rheumatic mitral valve diseases
		(I06) Rheumatic aortic valve diseases
		(I07) Rheumatic tricuspid valve diseases
		(I08) Multiple valve diseases
		(I09) Other rheumatic heart diseases
	(I10-I15) Hypertensive diseases	(I10) Essential (primary) hypertension
		(I11) Hypertensive heart disease
		(I12) Hypertensive renal disease
		(I13) Hypertensive heart and renal disease
		(I15) Secondary hypertension
	(I20-I25) Ischaemic heart diseases	(I20) Angina pectoris
		(I21) Acute myocardial infarction
		(I22) Subsequent myocardial infarction
		(I23) Certain current complications following acute myocardial infarction
		(I24) Other acute ischaemic heart diseases
		(I25) Chronic ischaemic heart disease
	(I26-I28) Pulmonary heart disease and diseases of pulmonary circulation	(I26) Pulmonary embolism
		(I27) Other pulmonary heart diseases
		(I28) Other diseases of pulmonary vessels
	(I30-I52) Other forms of heart disease	(I30) Acute pericarditis
		(I31) Other diseases of pericardium
		(I32) Pericarditis in diseases classified elsewhere
		(I33) Acute and subacute endocarditis

Table 77: ICD-10 Codes for Vital Statistics Mortality Analyses (continued)

<b>Disease</b>	<b>Code and Definition</b>	<b>Subclassification Code and Definition</b>
		(I34) Nonrheumatic mitral valve disorders
		(I35) Nonrheumatic aortic valve disorders
		(I36) Nonrheumatic tricuspid valve disorders
		(I37) Pulmonary valve disorders
		(I38) Endocarditis, valve unspecified
		(I39) Endocarditis and heart valve disorders in diseases classified elsewhere
		(I40) Acute myocarditis
		(I41) Myocarditis in diseases classified elsewhere
		(I42) Cardiomyopathy
		(I43) Cardiomyopathy in diseases classified elsewhere
		(I44) Atrioventricular and left bundle-branch block
		(I45) Other conduction disorders
		(I46) Cardiac arrest
		(I47) Paroxysmal tachycardia
		(I48) Atrial fibrillation and flutter
		(I49) Other cardiac arrhythmias
		(I50) Heart failure
		(I51) Complications and ill-defined descriptions of heart disease
		(I52) Other heart disorders in diseases classified elsewhere
<b>Mortality from Cerebrovascular diseases</b>	(I60-I69) Cerebrovascular diseases	(I60) Subarachnoid hemorrhage
		(I61) Intracerebral hemorrhage
		(I62) Other nontraumatic intracranial hemorrhage
		(I63) Cerebral infarction
		(I64) Stroke, not specified as haemorrhage or infarction
		(I65) Occlusion and stenosis of precerebral arteries, not resulting in cerebral infarction
		(I66) Occlusion and stenosis of cerebral arteries, not resulting in cerebral infarction
		(I67) Other cerebrovascular diseases
		(I68) Cerebrovascular disorders in diseases classified elsewhere
		(I69) Sequelae of cerebrovascular disease

Table 77: ICD-10 Codes for Vital Statistics Mortality Analyses (continued)

<b>Disease</b>	<b>Code and Definition</b>	<b>Subclassification Code and Definition</b>
	(I70-I79) Diseases of arteries, arterioles and capillaries	(I70) Atherosclerosis
		(I71) Aortic aneurysm and dissection
		(I72) Other aneurysm
		(I73) Other peripheral vascular diseases
		(I74) Arterial embolism and thrombosis
		(I75) Other disorders of arteries and arterioles
		(I77) Other disorders of arteries and arterioles
		(I78) Diseases of capillaries
		(I79) Disorders of arteries, arterioles and capillaries in diseases classified elsewhere
<b>Mortality with diabetes</b>	(E10-E14) Diabetes mellitus	(E10) Insulin-dependent diabetes mellitus
		(E11) Non-insulin-dependent diabetes mellitus
		(E12) Malnutrition-related diabetes mellitus
		(E13) Other specified diabetes mellitus
		(E14) Unspecified diabetes mellitus

Table 78: ICD-9 Codes for Ambulatory Care and Hospitalization Analyses by Disease

<b>Disease</b>	<b>Code and Definition</b>	<b>Subclassification Code and Definition</b>
<b>Acute Myocardial infarction</b>	(410) Acute Myocardial infarction	
<b>Congestive heart failure</b>	(428.0) Congestive heart failure	
<b>Cerebrovascular accident (stroke)</b>	(430-434, 436-438) cerebrovascular accident (stroke)	(430) Subarachnoid hemorrhage
		(431) Intracerebral hemorrhage
		(432) Other and unspecified intracranial hemorrhage
		(433) Occlusion and stenosis of precerebral arteries
		(434) Occlusion of cerebral arteries
		(436) Acute but ill-defined, cerebrovascular disease
		(437) Other and ill-defined cerebrovascular disease
		(438) Late effects of cerebrovascular disease
<b>Diabetes</b>	(250) Diabetes mellitus	(250.0) Diabetes mellitus without mention of complication
		(250.1) Diabetes with ketoacidosis
		(250.2) Diabetes with hyperosmolarity
		(250.3) Diabetes with other coma
		(250.4) Diabetes with renal manifestations
		(250.5) Diabetes with ophthalmic manifestations
		(250.6) Diabetes with neurological manifestations
		(250.7) Diabetes with peripheral circulatory disorders
		(250.8) Diabetes with other manifestations
		(250.9) Diabetes with unspecified complications
<b>Amputation of a lower extremity attributable to diabetes</b>	ICD-9-CM code 250 and a procedure of ICD-9-CM code 84.1 and not having ICD-9-CM codes (895-897)	(84.1) Amputation of lower limb
		(895) Traumatic amputation of toe(s)
		(896) Traumatic amputation of foot
		(897) Traumatic amputation of leg

Table 78: ICD-9 Codes for Ambulatory Care and Hospitalization Analyses (continued)

<b>Disease</b>	<b>Code and Definition</b>	<b>Subclassification Code and Definition</b>
<b>Hospitalization for hip fracture among Medicare-eligible persons aged <math>\geq 65</math> years</b>	(820) Fracture of neck of femur	
<b>Hospitalization for vertebral fracture among Medicare-eligible persons aged <math>\geq 65</math> years</b>	(805.0, 805.2, 805.4, 805.8) Fracture of vertebral column without mention of spinal cord injury	(805.0) Cervical closed
		(805.2) Dorsal [thoracic] closed
		(805.4) Lumbar closed
		(805.8) Unspecified closed