

Maryland Department of Health & Mental Hygiene

Cancer Report 2006 Amendment

*Cigarette Restitution Fund Program
Cancer Prevention, Education, Screening and Treatment Program*

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**Amendment to the
September 2006 Cancer Report
April 2008**



Amendment to the 2006 Cancer Report

Cigarette Restitution Fund Program Cancer Prevention, Education, Screening and Treatment Program

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I. Introduction to the 2006 Cancer Report Amendment

This Amendment serves as a stand-alone addition to the Cigarette Restitution Fund (CRF) Program Cancer Report dated September 2006. This Amendment:

- provides the 2002 cancer incidence data that was missing from the original report; and
- revises the original cancer incidence data for 2002 published in that report.

DHMH Center for Cancer Surveillance and Control identified problems with cancer incidence data for 2002 primarily affecting melanoma and cervical cancers (as noted on pages 1, 2, and 165 of the 2006 CRF Program Cancer Report, September 2006); therefore, we were not able to publish the 2002 data for these cancers at the time of the original report.

“Remediation” was undertaken to correct the problems with the cancer incidence data for 2002 and that remediation affected cancer data for each site to some extent. As a result, the originally published data for 2002 incidence (counts and rates) for lung, colorectal, prostate, breast, and oral cancers also changed. This 2006 Cancer Report Amendment provides the data omitted from the 2006 Cancer Report and replaces existing tables in the report with updated data. In this Amendment, we are providing the incidence data tables for 2002 and 1998-2002 (combined years) along with the introductory page for each cancer. Data points that are missing from the graphs and tables in the original report will be incorporated into the 2008 Cancer Report when we publish the 2003 data.

The table below lists the contents of this 2006 Cancer Report Amendment and serves as a crosswalk with page numbering in the original 2006 Cancer Report.

Amendment Contents	2006 Cancer Report Amendment	2006 Cancer Report Original
	Page Numbers	
I. Introduction	1	1
II. All Cancer Sites		
Summary page (including Table 1)	5	5
Table 2. Number of Cancer Cases for All Cancer Sites by Jurisdiction, Gender and Race, Maryland, 2002	6	11
Table 3. All Cancer Sites Age-Adjusted Incidence Rates by Jurisdiction, Gender and Race, Maryland, 2002	7	12
Table 4. All Cancer Sites Cases and Age-Adjusted Incidence Rates Among Marylanders of Hispanic Ethnicity Regardless of Race by Jurisdiction, Maryland, 2002	8	13
Table 7. Number of Cancer Cases for All Cancer Sites by Jurisdiction, Gender and Race, Maryland, 1998-2002	9	16

Table 8. All Cancer Sites Age-Adjusted Incidence Rates by Jurisdiction, Gender and Race, Maryland, 1998-2002	10	17
III. Targeted Cancers		
A. Lung and Bronchus Cancer Summary page (including Table 11)	11	21
Table 12. Number of Lung and Bronchus Cancer Cases by Jurisdiction, Gender and Race, Maryland, 2002	12	27
Table 13. Lung and Bronchus Cancer Age-Adjusted Incidence Rates by Jurisdiction, Gender and Race, Maryland, 2002	13	28
Table 16. Number of Lung and Bronchus Cancer Cases by Jurisdiction, Gender and Race, Maryland, 1998-2002	14	31
Table 17. Lung and Bronchus Cancer Age-Adjusted Incidence Rates by Jurisdiction, Gender and Race, Maryland, 1998-2002	15	32
B. Colon and Rectum Cancer Summary page (including Table 20)	17	37
Table 21. Number of Colorectal Cancer Cases by Jurisdiction, Gender and Race, Maryland, 2002	18	42
Table 22. Colorectal Cancer Age-Adjusted Incidence Rates by Jurisdiction, Gender and Race, Maryland, 2002	19	43
Table 25. Number of Colorectal Cancer Cases by Jurisdiction, Gender and Race, Maryland, 1998-2002	20	46
Table 26. Colorectal Cancer Age-Adjusted Incidence Rates by Jurisdiction, Gender and Race, Maryland, 1998-2002	21	47
C. Female Breast Cancer Summary page (including Table 29)	23	53
Table 30. Number of Female Breast Cancer Cases by Jurisdiction and Race, Maryland, 2002	24	58
Table 31. Female Breast Cancer Age-Adjusted Incidence Rates by Jurisdiction and Race, Maryland, 2002	25	59
Table 34. Number of Female Breast Cancer Cases by Jurisdiction and Race, Maryland, 1998-2002	26	62
Table 35. Female Breast Cancer Age-Adjusted Incidence Rates by Jurisdiction and Race, Maryland, 1998-2002	27	63
D. Prostate Cancer Summary page (including Table 38)	29	69
Table 39. Number of Prostate Cancer Cases by Jurisdiction and Race, Maryland, 2002	30	74
Table 40. Prostate Cancer Age-Adjusted Incidence Rates by Jurisdiction and Race, Maryland 2002	31	75

Table 43. Number of Prostate Cancer Cases by Jurisdiction and Race, Maryland, 1998-2002	32	78
Table 44. Prostate Cancer Age-Adjusted Incidence Rates by Jurisdiction and Race, Maryland, 1998-2002	33	79
E. Oral Cancer Summary page (including Table 47)	35	85
Table 48. Number of Oral Cancer Cases by Jurisdiction, Gender and Race, Maryland, 2002	36	90
Table 49. Oral Cancer Age-Adjusted Incidence Rates by Jurisdiction, Gender and Race, Maryland, 2002	37	91
Table 52. Number of Oral Cancer Cases by Jurisdiction, Gender and Race, Maryland, 1998-2002	38	94
Table 53. Oral Cancer Age-Adjusted Incidence Rates by Jurisdiction, Gender and Race, Maryland, 1998-2002	39	95
F. Melanoma of the Skin Summary page (including Table 56)	41	101
Table 57. Number of Melanoma Cases by Jurisdiction, Gender and Race, Maryland, 2002	42	106
Table 58. Melanoma Age-Adjusted Incidence Rates by Jurisdiction, Gender and Race, Maryland, 2002	43	107
Table 61. Number of Melanoma Cases by Jurisdiction, Gender and Race, Maryland, 1998-2002	44	110
Table 62. Melanoma Age-Adjusted Incidence Rates by Jurisdiction, Gender and Race, Maryland, 1998-2002	45	111
G. Cervical Cancer Summary page (including Table 65)	47	115
Table 66. Number of Cervical Cancer Cases by Jurisdiction and Race, Maryland, 2002	48	120
Table 67. Cervical Cancer Age-Adjusted Incidence Rates by Jurisdiction and Race, Maryland, 2002	49	121
Table 70. Number of Cervical Cancer Cases by Jurisdiction and Race, Maryland, 1998-2002	50	124
Table 71. Cervical Cancer Age-Adjusted Incidence Rates by Jurisdiction and Race, Maryland, 1998-2002	51	125
V. Appendix H: Maryland Cancer Incidence Rates and Confidence Intervals (1998-2002)	53	195
All Cancer Sites Incidence, Age-Adjusted Incidence Rates by Geographical Area, Maryland, 1998-2002	55	197
Lung and Bronchus Cancer Incidence, Age-Adjusted Incidence Rates by Geographical Area, Maryland, 1998-2002	56	198
Colorectal Cancer Incidence, Age-Adjusted Incidence Rates by Geographical Area, Maryland, 1998-2002	57	199

Female Breast Cancer Incidence, Age-Adjusted Incidence Rates by Geographical Area, Maryland, 1998-2002	58	200
Prostate Cancer Incidence, Age-Adjusted Incidence Rates by Geographical Area, Maryland, 1998-2002	59	201
Oral Cancer Incidence, Age-Adjusted Incidence Rates by Geographical Area, Maryland, 1998-2002	60	202
Melanoma Incidence, Age-Adjusted Incidence Rates by Geographical Area, Maryland, 1998-2002	61	203
Cervical Cancer Incidence, Age-Adjusted Incidence Rates by Geographical Area, Maryland, 1998-2002	62	204

II. All Cancer Sites

Incidence (New Cases)

A total of 26,257 new cancer cases diagnosed in 2002 were reported to the Maryland Cancer Registry. The total age-adjusted cancer incidence rate for Maryland in 2002 was 495.9 per 100,000 population (489.9-501.9, 95% Confidence Interval [C.I.]). The 2002 Maryland cancer incidence rate is statistically significantly greater than the 2002 U.S. rate of 471.4 per 100,000 population published by the National Cancer Institute, Surveillance Epidemiological End Results (SEER) Program.

Mortality (Deaths)

Cancer is the second leading cause of death in Maryland, accounting for 23.6% of all deaths in 2002. A total of 10,395 Maryland residents died from cancer in 2002. The overall Maryland cancer mortality rate for 2002 is 200.9 per 100,000 population (197.0-204.8, 95% C.I.). This rate is statistically significantly higher than the 2002 U.S. SEER cancer mortality rate of 193.5 per 100,000 population. Maryland is ranked 15th highest among all states and the District of Columbia in total cancer mortality for the period 1998-2002.

Table 1.
All Cancer Sites Incidence and Mortality Rates
by Gender and Race, Maryland and the United States, 2002

<i>Incidence 2002</i>	<i>Total</i>	<i>Males</i>	<i>Females</i>	<i>Whites</i>	<i>Blacks</i>	<i>Other</i>
New Cases (#)	26,257	13,625	12,632	18,907	5,467	735
Incidence Rate*	495.9	594.3	426.2	485.1	459.1	362.4
U.S. SEER Rate*	471.4	553.2	415.1	479.0	517.3	NA
<i>Mortality 2002</i>	<i>Total</i>	<i>Males</i>	<i>Females</i>	<i>Whites</i>	<i>Blacks</i>	<i>Other</i>
Deaths (#)	10,395	5,275	5,120	7,642	2,588	165
Mortality Rate*	200.9	246.3	171.3	194.1	241.9	91.3
U.S. SEER Rate*	193.5	239.9	162.7	191.6	240.2	NA

* Rates are per 100,000 and are age-adjusted to 2000 U.S. standard population

NA: Data were not available

Source: Maryland Cancer Registry, 2002

CDC WONDER, 2002

SEER, National Cancer Institute, 2002

Table 2.
Number of Cancer Cases for All Cancer Sites
by Jurisdiction, Gender and Race, Maryland, 2002

Jurisdiction	Total	Gender		Race			
		Males	Females	Whites	Blacks	Other	Unknown
Maryland	26,257	13,625	12,632	18,907	5,467	735	1,148
Allegany	484	254	230	467	12	<6	<6
Anne Arundel	2,461	1,283	1,178	2,055	223	53	130
Baltimore City	3,364	1,699	1,665	1,323	1,892	41	108
Baltimore County	4,626	2,359	2,267	3,816	584	69	157
Calvert	352	173	179	277	55	<6	s
Caroline	173	99	74	146	22	<6	<6
Carroll	760	407	353	710	s	<6	33
Cecil	376	219	157	335	s	<6	24
Charles	444	233	211	325	88	<6	s
Dorchester	217	129	88	169	44	<6	<6
Frederick	1,084	608	476	964	53	11	56
Garrett	156	87	69	150	<6	0	<6
Harford	1,087	619	468	954	70	15	48
Howard	1,030	506	524	799	116	57	58
Kent	123	65	58	101	s	0	<6
Montgomery	4,023	2,013	2,010	3,023	426	322	252
Prince George's	2,891	1,482	1,409	1,124	1,533	101	133
Queen Anne's	261	126	135	212	32	<6	s
Saint Mary's	353	191	162	266	46	11	30
Somerset	158	92	66	110	42	<6	<6
Talbot	262	145	117	227	27	<6	<6
Washington	725	368	357	673	33	6	13
Wicomico	447	223	224	356	75	7	9
Worcester	332	203	129	292	34	<6	<6
Unknown	68	42	26	33	s	<6	23

s= Number was suppressed to ensure confidentiality of cell in other column

Cells with 5 or fewer non-zero cases are not presented per DHMH/MCR Data Use Policy

Source: Maryland Cancer Registry, 2002

Table 3.
All Cancer Sites Age-Adjusted Incidence Rates*
by Jurisdiction, Gender and Race, Maryland, 2002

Jurisdiction	Total	Gender		Race		
		Males	Females	Whites	Blacks	Other
Maryland	495.9	594.3	426.2	485.1	459.1	362.4
Allegany	513.4	620.8	442.1	510.0	**	**
Anne Arundel	525.4	611.0	461.8	505.3	453.8	498.6
Baltimore City	521.6	644.8	443.5	521.4	495.9	411.1
Baltimore County	535.8	634.2	467.1	522.4	522.2	379.9
Calvert	507.8	572.3	466.3	465.9	611.1	**
Caroline	541.5	687.8	426.8	537.0	**	**
Carroll	496.3	602.6	419.8	479.8	**	**
Cecil	438.3	562.6	343.8	408.2	**	**
Charles	428.7	500.7	369.7	417.8	382.9	**
Dorchester	549.6	738.5	407.3	560.6	488.3	**
Frederick	588.0	761.1	462.1	561.9	591.4	**
Garrett	434.4	517.2	359.9	420.1	**	0.0
Harford	507.8	646.8	402.2	488.3	473.9	**
Howard	485.0	553.2	438.8	471.7	420.2	351.4
Kent	460.1	534.7	396.3	448.0	**	0.0
Montgomery	448.7	522.0	397.7	435.3	412.7	331.6
Prince George's	435.0	531.9	368.6	429.3	414.0	325.6
Queen Anne's	563.7	580.1	554.5	513.9	693.0	**
Saint Mary's	465.4	554.4	402.6	415.8	443.2	**
Somerset	587.4	748.2	457.8	559.7	604.0	**
Talbot	519.3	624.4	439.3	521.0	429.2	**
Washington	492.9	557.6	453.3	478.9	717.5	**
Wicomico	507.4	583.4	450.1	512.4	441.7	**
Worcester	470.7	617.1	342.7	477.3	379.9	**

* Rates are per 100,000 and are age-adjusted to 2000 U.S. standard population

** Rates based on cells with 25 or fewer non-zero cases are not presented per DHMH/MCR Data Use Policy

Source: Maryland Cancer Registry, 2002

Table 4.
All Cancer Sites Cases and Age-Adjusted Incidence Rates*
Among Marylanders of Hispanic Ethnicity Regardless of Race
by Jurisdiction, Maryland, 2002

Jurisdiction	Number	Rate
Maryland	448	351.1
Allegany	6	**
Anne Arundel	40	652.2
Baltimore City	25	**
Baltimore County	38	457.1
Calvert	<6	**
Caroline	<6	**
Carroll	<6	**
Cecil	<6	**
Charles	<6	**
Dorchester	0	0.0
Frederick	16	**
Garrett	<6	**
Harford	8	**
Howard	11	**
Kent	0	0.0
Montgomery	204	329.8
Prince George's	76	278.2
Queen Anne's	0	0.0
St. Mary's	<6	**
Somerset	0	0.0
Talbot	0	0.0
Washington	<6	**
Wicomico	<6	**
Worcester	0	0.0
Region	Number	Rate
BALTIMORE METRO REGION ^	124	433.3
EASTERN SHORE REGION	8	**
NATIONAL CAPITAL REGION	280	314.4
NORTHWEST REGION	27	716.3
SOUTHERN REGION	8	**

* Rates are per 100,000 and are age-adjusted to 2000 U.S. standard population

** Rates based on cells with 25 or fewer non-zero cases are not presented per DHMH/MCR Data Use Policy

^ Includes Baltimore City

Cells with 5 or fewer non-zero cases are not presented per DHMH/MCR Data Use Policy

Case numbers were prepared using MCR data and an algorithm to determine Hispanic ethnicity (see Appendix C)

Source: Maryland Cancer Registry, 2002

Table 7.
Number of Cancer Cases for All Cancer Sites
by Jurisdiction, Gender and Race, Maryland, 1998-2002

Jurisdiction	Total	Gender		Race			
		Males	Females	Whites	Blacks	Other	Unknown
Maryland	120,288	61,649	58,623	88,424	25,193	3,331	3,340
Allegany	2,325	1,244	1,081	2,267	41	9	8
Anne Arundel	10,862	5,623	5,237	9,193	1,137	183	349
Baltimore City	16,768	8,512	8,255	7,116	9,141	164	347
Baltimore County	21,131	10,708	10,422	17,832	2,503	329	467
Calvert	1,552	820	731	1,262	218	21	51
Caroline	782	431	351	657	112	7	6
Carroll	3,416	1,821	1,595	3,220	73	25	98
Cecil	1,855	1,002	853	1,717	58	15	65
Charles	2,161	1,135	1,026	1,597	445	55	64
Dorchester	1,022	543	479	790	223	<6	<6
Frederick	4,268	2,255	2,013	3,835	219	36	178
Garrett	770	434	336	762	<6	0	<6
Harford	4,939	2,665	2,274	4,413	349	41	136
Howard	4,364	2,140	2,224	3,431	567	230	136
Kent	571	298	273	486	79	0	6
Montgomery	17,733	8,762	8,964	13,673	1,851	1,511	698
Prince George's	13,445	6,861	6,581	5,721	6,764	517	443
Queen Anne's	1,059	545	514	895	126	8	30
Saint Mary's	1,646	858	788	1,361	206	28	51
Somerset	694	385	309	501	172	s	<6
Talbot	1,230	663	567	1,059	152	10	9
Washington	3,494	1,738	1,756	3,322	116	29	27
Wicomico	2,160	1,051	1,108	1,712	402	26	20
Worcester	1,686	942	744	1,411	204	46	25
Unknown	355	213	142	191	s	s	114

s=Number was suppressed to ensure confidentiality of cell in other column

Cells with 5 or fewer non-zero cases are not presented per DHMH/MCR Data Use Policy

Source: Maryland Cancer Registry, 1998-2002

Table 8.
All Cancer Sites Age-Adjusted Incidence Rates*
by Jurisdiction, Gender and Race, Maryland, 1998-2002

Jurisdiction	Total	Gender		Race		
		Males	Females	Whites	Blacks	Other
Maryland	473.4	565.4	410.7	466.0	456.1	376.4
Allegany	488.4	605.5	410.0	488.4	440.9	**
Anne Arundel	487.1	570.3	429.5	471.6	497.8	361.4
Baltimore City	511.9	637.7	431.4	527.3	485.1	349.1
Baltimore County	501.8	594.3	440.2	493.1	512.5	372.6
Calvert	489.8	595.2	418.7	464.7	517.4	**
Caroline	494.7	605.1	408.6	488.2	499.2	**
Carroll	478.3	592.0	401.2	465.2	470.3	**
Cecil	468.3	564.5	400.7	453.7	388.4	**
Charles	455.2	554.9	384.3	437.5	456.6	530.2
Dorchester	518.5	623.0	441.4	519.8	509.7	**
Frederick	498.7	613.0	421.3	478.2	527.7	283.3
Garrett	446.3	554.2	363.6	443.8	**	0.0
Harford	496.9	619.1	413.2	484.8	507.9	252.3
Howard	445.2	506.6	402.3	435.3	455.8	327.3
Kent	434.4	492.7	385.9	439.2	383.5	0.0
Montgomery	418.1	486.1	372.6	408.9	399.9	363.2
Prince George's	430.9	526.5	366.0	432.4	407.7	369.5
Queen Anne's	486.1	530.3	452.9	462.8	553.9	**
Saint Mary's	454.9	510.4	412.4	445.4	416.5	649.6
Somerset	524.3	633.8	449.6	524.3	495.7	**
Talbot	498.8	596.3	425.8	493.2	495.2	**
Washington	485.8	550.1	452.2	480.5	594.9	595.7
Wicomico	505.7	569.1	460.6	505.1	486.7	407.8
Worcester	510.1	610.8	431.5	495.7	477.8	4409.9

* Rates are per 100,000 and are age-adjusted to 2000 U.S. standard population

** Rates based on cells with 25 or fewer non-zero cases are not presented per DHMH/MCR Data Use Policy

Source: Maryland Cancer Registry, 1998-2002

III. Targeted Cancers

A. Lung and Bronchus Cancer

Incidence (New Cases)

There were 3,590 new lung and bronchus cancer cases (called lung cancer) among Maryland residents in 2002. The 2002 Maryland age-adjusted lung cancer incidence rate is 69.1 per 100,000 population (66.8-71.4, 95% C.I.), which is statistically significantly greater than the 2002 U.S. SEER lung cancer incidence rate of 62.1 per 100,000 population.

Mortality (Deaths)

There were 2,967 lung cancer deaths among Maryland residents in 2002. Lung cancer accounts for 28.5% of all cancer deaths in Maryland and is the leading cause of cancer deaths in both men and women. The 2002 age-adjusted lung cancer mortality rate is 57.3 per 100,000 population (55.2-59.4, 95% C.I.) in Maryland. As with lung cancer incidence, this rate is also statistically significantly greater than the 2002 U.S. SEER mortality rate for lung and bronchus cancer of 54.9 per 100,000 population. Maryland has the 18th highest lung cancer mortality rate among the states and the District of Columbia for the period 1998-2002.

Table 11.
Lung Cancer Incidence and Mortality Rates
by Gender and Race, Maryland and the United States, 2002

<i>Incidence 2002</i>	<i>Total</i>	<i>Males</i>	<i>Females</i>	<i>Whites</i>	<i>Blacks</i>	<i>Other</i>
New Cases (#)	3,590	1,882	1,708	2,709	793	70
Incidence Rate*	69.1	83.6	58.1	69.4	69.6	38.1
U.S. SEER Rate*	62.1	77.8	50.8	62.7	80.1	NA
<i>Mortality 2002</i>	<i>Total</i>	<i>Males</i>	<i>Females</i>	<i>Whites</i>	<i>Blacks</i>	<i>Other</i>
Deaths (#)	2,967	1,634	1,333	2,221	707	39
Mortality Rate*	57.3	74.2	45.0	56.4	64.5	20.8
U.S. SEER Rate*	54.9	73.5	41.5	55.2	62.2	NA

* Rates are per 100,000 and are age-adjusted to 2000 U.S. standard population

NA: Data were not available

Source: Maryland Cancer Registry, 2002

CDC WONDER, 2002

SEER, National Cancer Institute, 2002

Table 12.
Number of Lung and Bronchus Cancer Cases
by Jurisdiction, Gender and Race, Maryland, 2002

Jurisdiction	Total	Gender		Race			
		Males	Females	Whites	Blacks	Other	Unknown
Maryland	3,590	1,882	1,708	2,709	793	70	18
Allegany	82	39	43	s	<6	0	0
Anne Arundel	319	160	159	282	25	s	<6
Baltimore City	591	321	270	239	342	s	<6
Baltimore County	686	355	331	612	65	s	<6
Calvert	55	29	26	43	s	0	<6
Caroline	27	13	14	23	<6	<6	0
Carroll	85	51	34	s	<6	<6	0
Cecil	52	32	20	48	<6	<6	<6
Charles	53	26	27	43	s	0	<6
Dorchester	44	26	18	38	<6	<6	0
Frederick	123	81	42	112	s	<6	0
Garrett	s	s	s	s	<6	0	0
Harford	151	80	71	143	8	0	0
Howard	119	53	66	95	s	<6	0
Kent	28	16	12	s	<6	0	0
Montgomery	375	170	205	303	44	s	<6
Prince George's	351	168	183	162	182	7	0
Queen Anne's	41	16	25	35	6	0	0
Saint Mary's	63	38	25	51	s	<6	0
Somerset	28	18	10	18	10	0	0
Talbot	40	23	17	36	<6	<6	0
Washington	102	54	48	92	10	0	0
Wicomico	85	50	35	70	s	<6	<6
Worcester	61	44	17	54	s	<6	0
Unknown	<6	<6	<6	<6	0	<6	0

s=Number was suppressed to ensure confidentiality of cell in other column

Cells with 5 or fewer non-zero cases are not presented per DHMH/MCR Data Use Policy

Source: Maryland Cancer Registry, 2002

**Table 13.
Lung and Bronchus Cancer Age-Adjusted Incidence Rates*
by Jurisdiction, Gender and Race, Maryland, 2002**

Jurisdiction	Total	Gender		Race		
		Males	Females	Whites	Blacks	Other
Maryland	69.1	83.6	58.1	69.4	69.6	38.1
Allegany	84.5	93.5	77.7	82.0	**	0.0
Anne Arundel	70.7	78.5	64.1	71.3	**	**
Baltimore City	91.7	120.9	71.4	95.1	89.7	**
Baltimore County	78.4	95.3	66.2	81.0	61.6	**
Calvert	86.3	108.8	72.5	78.9	**	0.0
Caroline	83.6	**	**	**	**	**
Carroll	57.2	75.5	41.2	57.6	**	**
Cecil	61.5	81.9	**	59.5	**	**
Charles	57.3	61.5	53.7	58.8	**	0.0
Dorchester	107.1	146.4	**	118.0	**	**
Frederick	68.6	100.8	43.3	66.9	**	**
Garrett	**	**	**	**	**	0.0
Harford	73.1	86.2	62.6	75.3	**	0.0
Howard	60.6	58.5	61.6	61.3	**	**
Kent	100.5	**	**	**	**	0.0
Montgomery	43.3	46.2	41.0	43.5	47.0	28.6
Prince George's	56.8	65.5	51.2	61.6	53.1	**
Queen Anne's	88.2	**	**	84.2	**	0.0
Saint Mary's	88.2	115.6	**	84.4	**	**
Somerset	103.4	**	**	**	**	0.0
Talbot	74.3	**	**	76.1	**	**
Washington	69.3	81.7	59.1	64.8	**	0.0
Wicomico	97.0	133.8	68.9	100.2	**	**
Worcester	85.1	131.8	**	86.1	**	**

* Rates are per 100,000 and are age-adjusted to 2000 U.S. standard population

** Rates based on cells with 25 or fewer non-zero cases are not presented per DHMH/MCR Data Use Policy

Source: Maryland Cancer Registry, 2002

Table 16.
Number of Lung and Bronchus Cancer Cases
by Jurisdiction, Gender and Race, Maryland, 1998-2002

Jurisdiction	Total	Gender		Race			
		Males	Females	Whites	Blacks	Other	Unknown
Maryland	17,194	9,333	7,858	13,172	3,708	265	49
Allegany	386	225	161	378	s	0	<6
Anne Arundel	1,606	838	767	1,431	151	18	6
Baltimore City	2,972	1,624	1,348	1,299	1,644	18	11
Baltimore County	3,189	1,696	1,492	2,851	305	27	6
Calvert	240	145	95	204	33	<6	<6
Caroline	126	70	56	103	s	<6	0
Carroll	419	247	172	405	s	<6	0
Cecil	306	171	135	294	9	<6	<6
Charles	313	187	126	248	59	<6	<6
Dorchester	187	107	80	143	s	<6	0
Frederick	531	335	196	484	42	<6	<6
Garrett	116	72	44	s	<6	0	0
Harford	720	399	321	675	s	<6	0
Howard	510	247	263	416	81	13	0
Kent	106	56	50	92	14	0	0
Montgomery	1,791	894	896	1,479	197	s	<6
Prince George's	1,711	940	771	860	802	s	<6
Queen Anne's	161	76	85	138	s	<6	0
Saint Mary's	265	153	112	231	30	<6	<6
Somerset	134	79	55	98	36	0	0
Talbot	168	92	76	147	s	<6	0
Washington	510	269	241	484	s	0	<6
Wicomico	379	198	181	310	66	<6	<6
Worcester	322	196	126	269	45	s	<6
Unknown	26	17	9	s	<6	<6	<6

s=Number was suppressed to ensure confidentiality of cell in other column

Cells with 5 or fewer non-zero cases are not presented per DHMH/MCR Data Use Policy

Source: Maryland Cancer Registry, 1998-2002

Table 17.
Lung and Bronchus Cancer Age-Adjusted Incidence Rates*
by Jurisdiction, Gender and Race, Maryland, 1998-2002

Jurisdiction	Total	Gender		Race		
		Males	Females	Whites	Blacks	Other
Maryland	68.7	87.2	55.5	69.2	70.3	34.4
Allegany	78.0	106.6	56.1	78.0	**	0.0
Anne Arundel	74.7	89.3	64.6	75.6	69.2	**
Baltimore City	90.6	122.2	69.9	95.4	87.6	**
Baltimore County	74.5	93.6	61.1	76.1	68.9	28.4
Calvert	81.7	117.2	58.5	81.0	84.7	**
Caroline	79.3	99.9	64.3	76.3	**	**
Carroll	60.4	82.4	44.5	60.2	**	**
Cecil	78.2	96.7	64.6	78.6	**	**
Charles	69.4	93.8	51.0	70.9	64.7	**
Dorchester	91.8	120.5	70.8	89.9	97.8	**
Frederick	64.4	93.1	42.7	62.4	110.8	**
Garrett	65.7	91.2	45.0	64.3	**	0.0
Harford	74.5	95.9	59.5	75.7	66.0	**
Howard	58.3	64.7	54.1	59.2	66.6	**
Kent	75.3	89.6	61.8	76.6	**	0.0
Montgomery	43.6	51.1	37.9	44.4	47.5	31.2
Prince George's	58.2	75.8	46.2	64.5	52.7	35.4
Queen Anne's	73.9	73.2	74.5	71.4	**	**
Saint Mary's	76.7	95.2	61.4	79.4	61.4	**
Somerset	100.1	127.6	75.2	98.5	104.3	0.0
Talbot	65.0	80.3	53.3	64.1	**	**
Washington	70.3	85.4	59.8	68.8	**	0.0
Wicomico	88.4	108.7	73.7	90.3	81.8	**
Worcester	93.9	124.8	67.7	90.4	105.4	**

* Rates are per 100,000 and are age-adjusted to 2000 U.S. standard population

** Rates based on cells with 25 or fewer non-zero cases are not presented per DHMH/MCR Data Use Policy

Source: Maryland Cancer Registry, 1998-2002

B. Colon and Rectum Cancer

Incidence (New Cases)

Cancer of the colon or rectum is often referred to as colorectal cancer. There were 2,683 new cases of colorectal cancer diagnosed among Maryland residents in 2002. The age-adjusted colorectal cancer incidence rate in Maryland for 2002 is 51.4 per 100,000 population (49.5-53.3, 95% C.I.) which is similar to (not statistically significantly different from) the 2002 U.S. SEER age-adjusted colorectal cancer incidence rate of 51.9 per 100,000 population.

Mortality (Deaths)

A total of 1,078 persons died of colorectal cancer in 2002 in Maryland. Colorectal cancer accounts for 10.4% of all cancer deaths and is the second leading cause of cancer deaths in Maryland. The age-adjusted colorectal cancer mortality rate in Maryland is 21.0 per 100,000 population (19.7-22.3, 95% C.I.). This rate is statistically significantly higher than the 2002 U.S. SEER colorectal cancer mortality rate of 19.6 per 100,000 population. Maryland has the 12th highest colorectal cancer mortality rate among the states and the District of Columbia for the period 1998-2002.

Table 20.
Colorectal Cancer Incidence and Mortality Rates
by Gender and Race, Maryland and the United States, 2002

<i>Incidence 2002</i>	<i>Total</i>	<i>Males</i>	<i>Females</i>	<i>Whites</i>	<i>Blacks</i>	<i>Other</i>
New Cases (#)	2,683	1,339	1,344	1,911	610	80
Incidence Rate*	51.4	59.2	45.1	48.9	54.4	44.6
U.S. SEER Rate*	51.9	59.9	45.6	50.9	61.6	NA
<i>Mortality 2002</i>	<i>Total</i>	<i>Males</i>	<i>Females</i>	<i>Whites</i>	<i>Blacks</i>	<i>Other</i>
Deaths (#)	1,078	539	539	789	277	12
Mortality Rate*	21.0	25.0	17.7	20.0	27.2	9.1
U.S. Mortality Rate*	19.6	23.8	16.5	19.1	26.9	NA

* Rates are per 100,000 and are age-adjusted to 2000 U.S. standard population

NA: Data were not available

Source: Maryland Cancer Registry, 2002

CDC WONDER, 2002

SEER, National Cancer Institute, 2002

Table 21.
Number of Colorectal Cancer Cases
by Jurisdiction, Gender and Race, Maryland, 2002

Jurisdiction	Total	Gender		Race			
		Males	Females	Whites	Blacks	Other	Unknown
Maryland	2,683	1,339	1,344	1,911	610	80	82
Allegany	50	26	24	50	0	0	0
Anne Arundel	244	122	122	192	35	10	7
Baltimore City	386	171	215	167	207	<6	s
Baltimore County	510	260	250	412	76	10	12
Calvert	39	20	19	31	<6	<6	<6
Caroline	21	s	s	s	<6	0	0
Carroll	71	35	36	s	<6	0	0
Cecil	46	29	17	s	0	0	<6
Charles	44	24	20	32	8	<6	<6
Dorchester	27	16	11	s	<6	0	0
Frederick	107	49	58	101	<6	<6	<6
Garrett	20	9	11	20	0	0	0
Harford	79	47	32	68	6	<6	<6
Howard	105	53	52	84	11	s	<6
Kent	19	9	10	13	6	0	0
Montgomery	341	171	170	262	39	28	12
Prince George's	296	155	141	100	165	12	19
Queen Anne's	25	10	15	20	<6	0	<6
Saint Mary's	45	21	24	37	<6	0	<6
Somerset	14	7	7	7	s	0	<6
Talbot	31	13	18	s	<6	0	0
Washington	73	36	37	67	<6	<6	0
Wicomico	47	21	26	36	s	<6	0
Worcester	34	14	20	27	s	<6	0
Unknown	9	s	<6	<6	<6	0	<6

s=Number was suppressed to ensure confidentiality of cell in other column

Cells with 5 or fewer non-zero cases are not presented per DHMH/MCR Data Use Policy

Source: Maryland Cancer Registry, 2002

Table 22.
Colorectal Cancer Age-Adjusted Incidence Rates*
by Jurisdiction, Gender and Race, Maryland, 2002

Jurisdiction	Total	Gender		Race		
		Males	Females	Whites	Blacks	Other
Maryland	51.4	59.2	45.1	48.9	54.4	44.6
Allegany	51.7	63.6	**	53.0	0.0	0.0
Anne Arundel	54.9	59.2	50.1	49.9	75.0	**
Baltimore City	59.2	66.0	54.7	61.6	55.2	**
Baltimore County	58.1	69.8	49.0	54.2	74.6	**
Calvert	55.9	**	**	51.2	**	**
Caroline	**	**	**	**	**	0.0
Carroll	48.0	56.7	41.7	47.9	**	0.0
Cecil	54.8	70.1	**	52.9	0.0	0.0
Charles	44.4	**	**	41.6	**	**
Dorchester	68.2	**	**	**	**	0.0
Frederick	59.6	59.6	57.9	60.3	**	**
Garrett	**	**	**	**	0.0	0.0
Harford	38.3	49.0	29.0	36.0	**	**
Howard	52.3	56.4	46.1	53.1	**	**
Kent	**	**	**	**	**	0.0
Montgomery	38.7	45.3	33.2	37.4	45.1	34.6
Prince George's	46.1	57.3	38.1	38.2	48.0	**
Queen Anne's	**	**	**	**	**	0.0
Saint Mary's	59.8	**	**	58.7	**	0.0
Somerset	**	**	**	**	**	0.0
Talbot	53.8	**	**	54.9	**	0.0
Washington	49.2	55.6	44.9	46.8	**	**
Wicomico	53.3	**	50.9	51.3	**	**
Worcester	48.8	**	**	45.6	**	**

* Rates are per 100,000 and are age-adjusted to 2000 U.S. standard population

** Rates based on cells with 25 or fewer non-zero cases are not presented per DHMH/MCR Data Use Policy

Source: Maryland Cancer Registry, 2002

Table 25.
Number of Colorectal Cancer Cases
by Jurisdiction, Gender and Race, Maryland, 1998-2002

Jurisdiction	Total	Gender		Race			
		Males	Females	Whites	Blacks	Other	Unknown
Maryland	13,397	6,671	6,723	9,837	2,878	406	276
Allegany	297	138	159	292	<6	0	<6
Anne Arundel	1,138	578	560	946	138	24	30
Baltimore City	1,902	859	1,042	886	977	18	21
Baltimore County	2,478	1,216	1,262	2,081	312	42	43
Calvert	172	88	83	141	24	<6	<6
Caroline	112	66	46	95	17	0	0
Carroll	366	179	187	352	10	<6	<6
Cecil	218	118	100	206	6	<6	<6
Charles	229	117	112	165	50	<6	s
Dorchester	135	72	63	110	s	0	<6
Frederick	500	266	234	456	28	8	8
Garrett	94	47	47	94	0	0	0
Harford	495	267	228	432	51	<6	s
Howard	455	221	234	345	70	29	11
Kent	76	32	44	62	14	0	0
Montgomery	1,716	872	844	1,293	192	183	48
Prince George's	1,529	768	760	653	771	57	48
Queen Anne's	129	60	69	107	s	0	<6
Saint Mary's	234	123	111	188	39	<6	s
Somerset	78	51	27	59	16	<6	<6
Talbot	162	89	73	132	s	0	<6
Washington	411	203	208	394	s	<6	0
Wicomico	220	94	126	177	s	<6	0
Worcester	197	112	85	148	31	s	<6
Unknown	54	35	19	23	<6	<6	23

s=Number was suppressed to ensure confidentiality of cell in other column

Cells with 5 or fewer non-zero cases are not presented per DHMH/MCR Data Use Policy

Source: Maryland Cancer Registry, 1998-2002

Table 26.
Colorectal Cancer Age-Adjusted Incidence Rates*
by Jurisdiction, Gender and Race, Maryland, 1998-2002

Jurisdiction	Total	Gender		Race		
		Males	Females	Whites	Blacks	Other
Maryland	53.8	63.3	46.8	51.7	56.1	50.4
Allegany	60.3	67.1	55.6	60.6	**	0.0
Anne Arundel	53.4	61.7	47.4	50.7	62.7	**
Baltimore City	57.6	66.5	52.1	61.4	53.5	**
Baltimore County	57.7	68.1	49.8	55.0	70.7	55.1
Calvert	57.2	65.3	50.0	54.7	**	**
Caroline	70.5	94.3	51.2	69.9	**	0.0
Carroll	53.0	62.9	45.9	52.5	**	**
Cecil	56.0	63.8	47.9	55.4	**	**
Charles	52.4	59.6	46.1	48.4	56.7	**
Dorchester	67.3	84.8	55.0	69.4	**	0.0
Frederick	60.8	74.0	50.6	59.2	76.2	**
Garrett	54.3	61.3	48.3	54.5	0.0	0.0
Harford	52.4	65.6	43.0	49.8	81.7	**
Howard	50.7	55.6	45.9	47.7	63.7	49.5
Kent	53.9	52.1	55.4	51.0	**	0.0
Montgomery	41.0	49.6	34.7	38.2	47.0	47.2
Prince George's	52.7	63.4	45.2	49.6	52.2	50.2
Queen Anne's	62.3	64.7	61.0	59.2	**	0.0
Saint Mary's	68.3	77.4	61.1	65.0	81.7	**
Somerset	59.0	86.8	36.1	59.1	**	**
Talbot	62.3	78.2	50.2	57.3	95.6	0.0
Washington	56.4	64.4	49.4	55.7	**	**
Wicomico	51.7	50.6	49.9	51.7	50.4	**
Worcester	58.4	72.3	46.3	50.7	73.1	**

* Rates are per 100,000 and are age-adjusted to 2000 U.S. standard population

** Rates based on cells with 25 or fewer non-zero cases are not presented per DHMH/MCR Data Use Policy

Source: Maryland Cancer Registry, 1998-2002

C. Female Breast Cancer

Incidence (New Cases)

Breast cancer is the most common reportable cancer among women. A total of 3,949 women in Maryland were diagnosed with breast cancer in 2002. The 2002 age-adjusted incidence rate in Maryland is 132.4 per 100,000 women (128.3-136.5, 95% C.I.); this is similar to the 2002 U.S. SEER age-adjusted incidence rate for breast cancer of 132.9 per 100,000 women.

Mortality (Deaths)

In 2002, a total of 879 women died of breast cancer in Maryland. Female breast cancer accounts for 8.5% of all cancer deaths in Maryland. Breast cancer is the second leading cause of cancer death among women in Maryland after lung cancer. The age-adjusted mortality rate in Maryland is 29.2 per 100,000 women (27.3-31.1, 95% C.I.). This rate is statistically significantly greater than the 2002 U.S. SEER mortality rate for breast cancer of 25.5 per 100,000 population of women. Maryland ranks 5th highest for female breast cancer mortality among the states and the District of Columbia for the period 1998-2002.

Table 29.
Female Breast Incidence and Mortality Rates
by Race, Maryland and the United States, 2002

<i>Incidence 2002</i>	<i>Total</i>	<i>Whites</i>	<i>Blacks</i>	<i>Other</i>
New Cases (#)	3,949	2,881	889	127
Incidence Rate*	132.4	135.8	119.0	98.6
U.S. SEER Rate*	132.9	138.2	120.0	NA
<i>Mortality 2002</i>	<i>Total</i>	<i>Whites</i>	<i>Blacks</i>	<i>Other</i>
Deaths (#)	879	606	257	16
Mortality Rate*	29.2	27.3	36.1	12.6
U.S. SEER Rate*	25.5	24.9	34.1	NA

* Rates are per 100,000 and are age-adjusted to 2000 U.S. standard population

NA: Data were not available

Source: Maryland Cancer Registry, 2002

CDC WONDER, 2002

SEER, National Cancer Institute, 2002

Table 30.
Number of Female Breast Cancer Cases
by Jurisdiction and Race, Maryland, 2002

Jurisdiction	Total	Race			
		Whites	Blacks	Other	Unknown
Maryland	3,949	2,881	889	127	52
Allegany	61	s	<6	0	0
Anne Arundel	379	332	35	s	<6
Baltimore City	465	171	277	<6	s
Baltimore County	677	555	108	7	7
Calvert	58	46	s	<6	0
Caroline	23	19	<6	0	<6
Carroll	113	108	<6	<6	<6
Cecil	50	s	<6	0	0
Charles	71	60	11	0	0
Dorchester	26	22	<6	<6	0
Frederick	127	115	s	<6	0
Garrett	20	20	0	0	0
Harford	152	148	<6	<6	0
Howard	177	153	16	s	<6
Kent	16	13	<6	0	<6
Montgomery	701	557	67	65	12
Prince George's	504	176	302	19	7
Queen Anne's	33	s	<6	0	0
Saint Mary's	42	33	s	<6	0
Somerset	21	11	s	0	<6
Talbot	33	29	<6	<6	0
Washington	102	98	<6	<6	0
Wicomico	60	45	12	<6	<6
Worcester	30	27	<6	<6	0
Unknown	8	<6	<6	<6	<6

s=Number was suppressed to ensure confidentiality of cell in other column
Cells with 5 or fewer non-zero cases are not presented per DHMH/MCR Data Use Policy
Source: Maryland Cancer Registry, 2002

Table 31.
Female Breast Cancer Age-Adjusted Incidence Rates*
by Jurisdiction and Race, Maryland, 2002

Jurisdiction	Total	Race		
		Whites	Blacks	Other
Maryland	132.4	135.8	119.0	98.6
Allegany	119.9	118.9	**	0.0
Anne Arundel	144.9	147.1	125.2	**
Baltimore City	127.0	127.3	121.0	**
Baltimore County	143.3	142.7	154.5	**
Calvert	145.0	135.3	**	**
Caroline	**	**	**	0.0
Carroll	133.3	131.5	**	**
Cecil	107.6	110.3	**	0.0
Charles	116.4	135.7	**	0.0
Dorchester	133.9	**	**	**
Frederick	120.9	118.4	**	**
Garrett	**	**	0.0	0.0
Harford	126.6	136.3	**	**
Howard	140.6	155.5	**	**
Kent	**	**	**	0.0
Montgomery	136.6	144.3	97.1	105.6
Prince George's	123.0	129.0	122.3	**
Queen Anne's	128.8	132.6	**	0.0
Saint Mary's	103.8	97.1	**	**
Somerset	**	**	**	0.0
Talbot	131.3	130.9	**	**
Washington	131.7	131.1	**	**
Wicomico	121.5	117.0	**	**
Worcester	78.2	83.5	**	**

* Rates are per 100,000 and are age-adjusted to 2000 U.S. standard population

** Rates based on cells with 25 or fewer non-zero cases are not presented per DHMH/MCR Data Use Policy

Source: Maryland Cancer Registry, 2002

Table 34.
Number of Female Breast Cancer Cases
by Jurisdiction and Race, Maryland, 1998-2002

Jurisdiction	Total	Race			
		Whites	Blacks	Other	Unknown
Maryland	18,704	13,817	4,064	603	220
Allegany	303	297	<6	<6	0
Anne Arundel	1,711	1,492	171	32	16
Baltimore City	2,332	994	1,287	26	25
Baltimore County	3,187	2,698	418	41	30
Calvert	236	195	32	s	<6
Caroline	108	95	10	<6	<6
Carroll	506	483	s	<6	10
Cecil	235	225	s	<6	0
Charles	342	253	74	s	<6
Dorchester	140	110	s	<6	<6
Frederick	655	600	44	s	<6
Garrett	105	105	0	0	0
Harford	714	655	51	<6	<6
Howard	774	623	105	39	7
Kent	75	62	s	0	<6
Montgomery	3,256	2,574	333	296	53
Prince George's	2,325	903	1,289	93	40
Queen Anne's	138	120	s	0	<6
Saint Mary's	218	184	26	8	0
Somerset	86	54	29	<6	<6
Talbot	188	166	s	<6	0
Washington	502	487	8	7	0
Wicomico	329	254	65	<6	s
Worcester	197	165	24	s	<6
Unknown	42	23	s	<6	10

s=Number was suppressed to ensure confidentiality of cell in other column
Cells with 5 or fewer non-zero cases are not presented per DHMH/MCR Data Use Policy
Source: Maryland Cancer Registry, 1998-2002

**Table 35.
Female Breast Cancer Age-Adjusted Incidence Rates*
by Jurisdiction and Race, Maryland, 1998-2002**

Jurisdiction	Total	Race		
		Whites	Blacks	Other
Maryland	130.7	134.0	116.4	106.7
Allegany	120.2	119.1	**	**
Anne Arundel	137.2	138.1	124.1	98.6
Baltimore City	125.3	139.5	114.1	99.5
Baltimore County	138.7	140.7	132.2	71.3
Calvert	129.4	126.5	126.9	**
Caroline	128.5	134.8	**	**
Carroll	126.5	124.6	**	**
Cecil	108.6	108.7	**	**
Charles	120.7	119.2	117.0	**
Dorchester	137.6	141.4	119.3	**
Frederick	134.4	132.5	165.4	**
Garrett	114.6	115.2	0.0	0.0
Harford	126.0	127.3	113.4	**
Howard	129.9	133.7	123.7	84.4
Kent	117.4	119.5	**	0.0
Montgomery	134.6	138.7	106.7	109.4
Prince George's	121.8	129.4	114.2	104.6
Queen Anne's	118.3	115.9	**	0.0
Saint Mary's	111.8	112.3	95.0	**
Somerset	127.6	109.6	165.1	**
Talbot	149.1	151.1	**	**
Washington	132.7	132.9	**	**
Wicomico	138.2	135.1	135.8	**
Worcester	119.4	117.0	**	**

* Rates are per 100,000 and are age-adjusted to 2000 U.S. standard population

** Rates based on cells with 25 or fewer non-zero cases are not presented per DHMH/MCR Data Use Policy

Source: Maryland Cancer Registry, 1998-2002

D. Prostate Cancer

Incidence (New Cases)

A total of 4,538 cases of prostate cancer were diagnosed among men in Maryland during 2002. Prostate cancer is the most common reportable cancer among men. The age-adjusted prostate cancer incidence rate in Maryland for 2002 is 197.5 per 100,000 men (191.8-203.3, 95% C.I.); this is statistically significantly higher than the 2002 U.S. SEER age-adjusted incidence rate for prostate cancer of 176.3 per 100,000 men.

Mortality (Deaths)

Prostate cancer is the second leading cause of cancer deaths in Maryland among men after lung cancer. In 2002, 570 men died of prostate cancer in Maryland; this accounts for 5.5% of all cancer deaths in Maryland. The age-adjusted mortality rate for prostate cancer is 30.9 per 100,000 men (28.4-33.4, 95% C.I.). This rate is statistically significantly higher than the 2002 U.S. SEER mortality rate for prostate cancer of 28.1 per 100,000 men. Maryland has the 10th highest mortality rate for prostate cancer among the states and the District of Columbia for the period 1998-2002.

Table 38.
Prostate Cancer Incidence and Mortality Rates
by Race, Maryland and the United States, 2002

<i>Incidence 2002</i>	<i>Total</i>	<i>Whites</i>	<i>Blacks</i>	<i>Other</i>
New Cases (#)	4,538	2,935	1,115	110
Incidence Rate*	197.5	168.3	236.4	130.8
U.S. SEER Rate*	176.3	171.9	275.8	NA
<i>Mortality 2002</i>	<i>Total</i>	<i>Whites</i>	<i>Blacks</i>	<i>Other</i>
Deaths (#)	570	344	220	6
Mortality Rate*	30.9	23.5	71.4	14.1
U.S. SEER Rate*	28.1	25.8	63.0	NA

Rates are per 100,000 and are age-adjusted to 2000 U.S. standard population

NA: Data were not available

Source: Maryland Cancer Registry, 2002

CDC WONDER, 2002

SEER, National Cancer Institute, 2002

Table 39.
Number of Prostate Cancer Cases
by Jurisdiction and Race, Maryland, 2002

Jurisdiction	Total	Race			
		Whites	Blacks	Other	Unknown
Maryland	4,538	2,935	1,115	110	378
Allegany	76	70	<6	<6	<6
Anne Arundel	422	347	38	7	30
Baltimore City	525	153	327	7	38
Baltimore County	712	543	114	9	46
Calvert	52	36	s	0	<6
Caroline	24	s	<6	0	0
Carroll	126	119	0	<6	s
Cecil	67	46	<6	0	s
Charles	79	51	20	0	8
Dorchester	41	27	14	0	0
Frederick	217	177	s	<6	27
Garrett	27	s	0	0	<6
Harford	210	166	23	<6	s
Howard	177	117	30	10	20
Kent	17	s	<6	0	0
Montgomery	773	552	99	55	67
Prince George's	602	179	355	11	57
Queen Anne's	49	37	8	<6	<6
Saint Mary's	39	24	<6	<6	9
Somerset	30	21	s	<6	0
Talbot	49	39	s	0	<6
Washington	101	91	<6	<6	<6
Wicomico	57	38	15	<6	<6
Worcester	47	40	7	0	0
Unknown	19	<6	<6	<6	11

s=Number was suppressed to ensure confidentiality of cell in other column
Cells with 5 or fewer non-zero cases are not presented per DHMH/MCR Data Use Policy
Source: Maryland Cancer Registry, 2002

Table 40.
Prostate Cancer Age-Adjusted Incidence Rates*
by Jurisdiction and Race, Maryland, 2002

Jurisdiction	Total	Race		
		Whites	Blacks	Other
Maryland	197.5	168.3	236.4	130.8
Allegany	182.7	172.4	**	**
Anne Arundel	197.7	183.4	172.5	**
Baltimore City	202.6	141.6	225.3	**
Baltimore County	190.6	169.3	256.6	**
Calvert	182.3	148.5	**	0.0
Caroline	**	**	**	0.0
Carroll	190.8	185.0	0.0	**
Cecil	181.8	125.7	**	0.0
Charles	165.2	137.1	**	0.0
Dorchester	229.2	194.6	**	0.0
Frederick	283.5	250.3	**	**
Garrett	155.2	**	0.0	0.0
Harford	220.0	184.2	**	**
Howard	199.9	154.7	260.5	**
Kent	**	**	**	0.0
Montgomery	198.5	180.5	237.3	139.7
Prince George's	212.4	150.7	241.9	**
Queen Anne's	220.2	177.1	**	**
Saint Mary's	110.5	**	**	**
Somerset	249.0	**	**	**
Talbot	210.5	194.8	**	0.0
Washington	151.6	141.5	**	**
Wicomico	147.1	124.0	**	**
Worcester	132.6	126.1	**	0.0

* Rates are per 100,000 and are age-adjusted to 2000 U.S. standard population

** Rates based on cells with 25 or fewer non-zero cases are not presented per DHMH/MCR Data Use Policy

Source: Maryland Cancer Registry, 2002

Table 43.
Number of Prostate Cancer Cases
by Jurisdiction and Race, Maryland, 1998-2002

Jurisdiction	Total	Race			
		Whites	Blacks	Other	Unknown
Maryland	19,815	13,062	4,887	452	1,414
Allegany	348	333	8	<6	<6
Anne Arundel	1,658	1,319	216	21	102
Baltimore City	2,628	855	1,555	26	192
Baltimore County	3,349	2,580	503	42	224
Calvert	252	177	46	<6	s
Caroline	96	77	s	<6	0
Carroll	558	515	s	<6	30
Cecil	304	246	s	<6	43
Charles	404	277	100	11	16
Dorchester	149	97	s	<6	<6
Frederick	695	539	s	<6	112
Garrett	134	s	0	0	<6
Harford	862	710	80	<6	s
Howard	707	517	109	27	54
Kent	80	63	s	0	<6
Montgomery	3,191	2,338	410	207	236
Prince George's	2,644	898	1,461	81	204
Queen Anne's	172	139	24	<6	s
Saint Mary's	211	162	35	<6	s
Somerset	95	62	s	<6	0
Talbot	204	166	32	<6	<6
Washington	470	439	17	<6	s
Wicomico	271	181	80	<6	s
Worcester	243	210	26	<6	s
Unknown	90	s	12	<6	44

s=Number was suppressed to ensure confidentiality of cell in other column

Cells with 5 or fewer non-zero cases are not presented per DHMH/MCR Data Use Policy

Source: Maryland Cancer Registry, 1998-2002

**Table 44.
Prostate Cancer Age-Adjusted Incidence Rates*
by Jurisdiction and Race, Maryland, 1998-2002**

Jurisdiction	Total	Race		
		Whites	Blacks	Other
Maryland	181.2	155.4	225.4	126.6
Allegany	165.7	162.1	**	**
Anne Arundel	165.4	147.8	220.5	**
Baltimore City	197.8	147.6	216.0	120.0
Baltimore County	184.4	162.2	256.4	123.3
Calvert	183.6	148.0	259.0	**
Caroline	135.6	127.4	**	**
Carroll	180.9	171.9	**	**
Cecil	176.1	148.9	**	**
Charles	202.8	175.1	263.8	**
Dorchester	165.3	136.6	269.5	**
Frederick	198.0	162.3	229.9	**
Garrett	164.4	161.6	0.0	0.0
Harford	201.5	177.2	309.2	**
Howard	172.6	150.7	224.5	98.5
Kent	129.4	118.9	**	0.0
Montgomery	176.7	161.6	236.1	121.9
Prince George's	199.3	149.8	220.1	139.6
Queen Anne's	160.2	141.5	**	**
Saint Mary's	123.8	110.4	158.4	**
Somerset	153.3	130.3	214.1	**
Talbot	175.9	162.4	245.7	**
Washington	148.3	143.0	**	**
Wicomico	146.0	121.4	234.3	**
Worcester	146.9	141.5	145.8	**

* Rates are per 100,000 and are age-adjusted to 2000 U.S. standard population

** Rates based on cells with 25 or fewer non-zero cases are not presented per DHMH/MCR Data Use Policy

Source: Maryland Cancer Registry, 1998-2002

E. Oral Cancer

Incidence (New Cases)

A total of 556 cases of oral cavity and pharynx cancer (called oral cancer) were diagnosed in Maryland in 2002. The age-adjusted incidence rate for oral cancer in Maryland in 2002 is 10.2 per 100,000 population (9.4-11.1, 95% C.I.), which is similar to the 2002 U.S. SEER age-adjusted oral cancer incidence rate of 10.8 per 100,000 population.

Mortality (Deaths)

In 2002, 158 persons in Maryland died of oral cancer. The age-adjusted mortality rate of 3.0 per 100,000 population (2.5-3.5, 95% C.I.) in Maryland is similar to the 2002 U.S. SEER oral cancer mortality rate of 2.7. Maryland ranks 15th highest for oral cancer mortality among the states and the District of Columbia for the period 1998-2002.

Table 47.
Oral Cancer Incidence and Mortality Rates
by Gender and Race, Maryland and the United States, 2002

<i>Incidence 2002</i>	<i>Total</i>	<i>Males</i>	<i>Females</i>	<i>Whites</i>	<i>Blacks</i>	<i>Other</i>
New Cases (#)	556	391	165	405	126	10
Incidence Rate*	10.2	15.6	5.6	10.2	9.5	**
U.S. SEER Rate*	10.8	15.9	6.5	11.0	10.9	NA
<i>Mortality 2002</i>	<i>Total</i>	<i>Males</i>	<i>Females</i>	<i>Whites</i>	<i>Blacks</i>	<i>Other</i>
Deaths (#)	158	98	60	110	46	2
Mortality Rate*	3.0	4.2	2.0	2.8	3.8	1.3
U.S. SEER Rate*	2.7	4.1	1.5	2.6	3.7	NA

* Rates are per 100,000 and are age-adjusted to 2000 U.S. standard population

** Rates based on cells with 25 or fewer non-zero cases are not presented per DHMH/MCR Data Use Policy

Source: Maryland Cancer Registry, 2002

CDC WONDER, 2002

SEER, National Cancer Institute, 2002

Table 48.
Number of Oral Cancer Cases
by Jurisdiction, Gender and Race, Maryland, 2002

Jurisdiction	Total	Gender		Race			
		Males	Females	Whites	Blacks	Other	Unknown
Maryland	556	391	165	405	126	10	15
Allegany	9	s	<6	s	<6	0	0
Anne Arundel	50	36	14	44	<6	0	<6
Baltimore City	95	70	25	42	53	0	0
Baltimore County	86	62	24	70	12	<6	<6
Calvert	6	<6	<6	<6	<6	0	0
Caroline	6	<6	<6	<6	<6	0	0
Carroll	17	s	<6	14	<6	0	<6
Cecil	6	<6	<6	<6	<6	0	0
Charles	8	s	<6	8	0	0	0
Dorchester	<6	<6	s	0	<6	0	0
Frederick	25	17	8	19	<6	<6	<6
Garrett	<6	<6	<6	<6	0	0	0
Harford	24	s	<6	s	0	<6	0
Howard	18	s	<6	15	0	<6	<6
Kent	<6	s	<6	<6	0	0	0
Montgomery	85	58	27	65	14	<6	<6
Prince George's	50	31	19	26	21	<6	<6
Queen Anne's	8	<6	<6	8	0	0	0
Saint Mary's	14	s	<6	10	<6	<6	0
Somerset	<6	s	<6	0	<6	0	0
Talbot	8	<6	<6	s	<6	0	0
Washington	14	7	7	14	0	0	0
Wicomico	10	<6	s	10	0	0	0
Worcester	8	s	<6	s	<6	0	0
Unknown	<6	<6	s	0	0	0	<6

s=Number was suppressed to ensure confidentiality of cell in other column

Cells with 5 or fewer non-zero cases are not presented per DHMH/MCR Data Use Policy

Source: Maryland Cancer Registry, 2002

Table 49.
Oral Cancer Age-Adjusted Incidence Rates*
by Jurisdiction, Gender and Race, Maryland, 2002

Jurisdiction	Total	Gender		Race		
		Males	Females	Whites	Blacks	Other
Maryland	10.2	15.6	5.6	10.2	9.5	**
Allegany	**	**	**	**	**	0.0
Anne Arundel	10.1	15.3	**	10.4	**	0.0
Baltimore City	14.7	24.8	**	17.3	13.3	0.0
Baltimore County	10.1	16.3	**	10.1	**	**
Calvert	**	**	**	**	**	0.0
Caroline	**	**	**	**	**	0.0
Carroll	**	**	**	**	**	0.0
Cecil	**	**	**	**	**	0.0
Charles	**	**	**	**	0.0	0.0
Dorchester	**	**	0.0	0.0	**	0.0
Frederick	**	**	**	**	**	**
Garrett	**	**	**	**	0.0	0.0
Harford	**	**	**	**	0.0	**
Howard	**	**	**	**	0.0	**
Kent	**	0.0	**	**	0.0	0.0
Montgomery	9.3	13.7	5.7	9.3	**	**
Prince George's	6.9	9.0	**	10.1	**	**
Queen Anne's	**	**	**	**	0.0	0.0
Saint Mary's	**	**	**	**	**	**
Somerset	**	0.0	**	0.0	**	0.0
Talbot	**	**	**	**	**	0.0
Washington	**	**	**	**	0.0	0.0
Wicomico	**	**	**	**	0.0	0.0
Worcester	**	**	**	**	**	0.0

* Rates are per 100,000 and are age-adjusted to 2000 U.S. standard population

** Rates based on cells with 25 or fewer non-zero cases are not presented per DHMH/MCR Data Use Policy

Source: Maryland Cancer Registry, 2002

Table 52.
Number of Oral Cancer Cases
by Jurisdiction, Gender and Race, Maryland, 1998-2002

Jurisdiction	Total	Gender		Race			
		Males	Females	Whites	Blacks	Other	Unknown
Maryland	2,702	1,858	844	1,908	651	81	62
Allegany	57	41	16	s	<6	0	0
Anne Arundel	271	197	74	229	34	s	<6
Baltimore City	500	361	139	197	292	<6	s
Baltimore County	434	289	145	351	62	10	11
Calvert	38	21	17	30	s	0	<6
Caroline	19	s	<6	15	<6	0	<6
Carroll	73	55	18	67	<6	0	<6
Cecil	46	35	11	s	<6	0	<6
Charles	40	28	12	35	<6	<6	<6
Dorchester	23	17	6	s	<6	0	0
Frederick	66	46	20	59	<6	<6	<6
Garrett	11	s	<6	11	0	0	0
Harford	98	71	27	90	<6	<6	<6
Howard	79	54	25	60	8	8	<6
Kent	9	s	<6	9	0	0	0
Montgomery	359	214	145	275	40	33	11
Prince George's	291	195	96	124	148	13	6
Queen Anne's	36	23	13	s	<6	0	0
Saint Mary's	49	39	10	36	10	<6	<6
Somerset	7	<6	<6	<6	<6	0	<6
Talbot	28	22	6	s	<6	0	0
Washington	70	44	26	64	<6	<6	<6
Wicomico	49	34	15	34	s	<6	0
Worcester	44	34	10	38	<6	0	<6
Unknown	<6	<6	<6	<6	0	0	<6

s=Number was suppressed to ensure confidentiality of cell in other column

Cells with 5 or fewer non-zero cases are not presented per DHMH/MCR Data Use Policy

Source: Maryland Cancer Registry, 1998-2002

**Table 53.
Oral Cancer Age-Adjusted Incidence Rates*
by Jurisdiction, Gender and Race, Maryland, 1998-2002**

Jurisdiction	Total	Gender		Race		
		Males	Females	Whites	Blacks	Other
Maryland	10.4	15.9	5.9	10.0	10.6	7.6
Allegany	12.5	20.8	**	12.2	**	0.0
Anne Arundel	11.8	18.7	6.1	11.4	13.8	**
Baltimore City	15.6	25.9	7.5	15.8	14.9	**
Baltimore County	10.5	16.0	6.2	10.0	11.0	**
Calvert	12.1	**	**	10.8	**	0.0
Caroline	**	**	**	**	**	0.0
Carroll	10.0	16.0	**	9.5	**	0.0
Cecil	11.4	17.7	**	11.4	**	0.0
Charles	8.3	11.7	**	9.7	**	**
Dorchester	**	**	**	**	**	0.0
Frederick	7.6	11.5	**	7.2	**	**
Garrett	**	**	**	**	0.0	0.0
Harford	9.5	14.7	5.0	9.5	**	**
Howard	7.9	10.7	**	7.6	**	**
Kent	**	**	**	**	0.0	0.0
Montgomery	8.3	11.1	6.1	8.2	7.4	6.8
Prince George's	8.6	12.8	5.2	9.4	7.5	**
Queen Anne's	16.4	**	**	17.4	**	0.0
Saint Mary's	12.7	20.4	**	11.3	**	**
Somerset	**	**	**	**	**	0.0
Talbot	12.1	**	**	**	**	0.0
Washington	9.8	13.7	6.6	9.3	**	**
Wicomico	11.3	17.2	**	9.9	**	**
Worcester	13.9	23.0	**	14.0	**	0.0

* Rates are per 100,000 and are age-adjusted to 2000 U.S. standard population

** Rates based on cells with 25 or fewer non-zero cases are not presented per DHMH/MCR Data Use Policy

Source: Maryland Cancer Registry, 1998-2002

F. Melanoma of the Skin

There are three major types of skin cancer: basal cell carcinoma, squamous cell carcinoma, and melanoma. Basal cell and squamous cell carcinoma are the most common forms of skin cancer and are not reportable to the Maryland Cancer Registry. Melanoma is the rarest and most serious type of skin cancer (NCI, PDQ).

Incidence (New Cases)

In 2002, a total of 1,185 persons in Maryland were diagnosed with melanoma of the skin. The age-adjusted melanoma incidence rate in Maryland for 2002 is 21.7 per 100,000 population (20.5-22.9, 95% C.I.). This rate is statistically significantly higher than the 2002 U.S. SEER age-adjusted incidence rate for melanoma of 18.3 per 100,000 population.

Mortality (Deaths)

In 2002, a total of 145 persons died of melanoma in Maryland. The age-adjusted mortality rate for melanoma in Maryland is 2.8 per 100,000 population (2.3-3.3, 95% C.I.). This rate is similar to the 2002 U.S. SEER melanoma mortality rate of 2.6 per 100,000 population. Maryland is ranked 35th for melanoma mortality among the states and the District of Columbia for the period 1998-2002.

Table 56.
Melanoma Cancer Incidence and Mortality Rates
by Gender and Race, Maryland and the United States, 2002

<i>Incidence 2002</i>	<i>Total</i>	<i>Males</i>	<i>Females</i>	<i>Whites</i>	<i>Blacks</i>	<i>Other</i>
New Cases (#)	1,185	660	525	871	13	25
Incidence Rate*	21.7	27.3	17.8	22.6	**	**
U.S. SEER Rate*	18.3	22.6	15.3	21.9	NA	NA
<i>Mortality 2002</i>	<i>Total</i>	<i>Males</i>	<i>Females</i>	<i>Whites</i>	<i>Blacks</i>	<i>Other</i>
Deaths (#)	145	102	43	141	4	0
Mortality Rate*	2.8	4.6	1.4	3.6	0.3	0.0
U.S. SEER Rate*	2.6	3.8	1.7	2.9	0.4	NA

* Rates are per 100,000 and are age-adjusted to 2000 U.S. standard population

** Rates based on cells with 25 or fewer non-zero cases are not presented per DHMH/MCR Data Use Policy

NA: Data were not available

Source: Maryland Cancer Registry, 2002

CDC WONDER, 2002

SEER, National Cancer Institute, 2002

Table 57.
Number of Melanoma Cases
by Jurisdiction, Gender and Race, Maryland, 2002

Jurisdiction	Total	Gender		Race			
		Males	Females	Whites	Blacks	Other	Unknown
Maryland	1,185	660	525	871	13	25	276
Allegany	17	7	10	17	0	0	0
Anne Arundel	148	81	67	103	0	6	39
Baltimore City	51	27	24	42	<6	0	s
Baltimore County	230	141	89	189	<6	s	34
Calvert	15	9	6	9	0	0	6
Caroline	6	<6	<6	6	0	0	0
Carroll	42	26	16	27	0	<6	s
Cecil	16	8	8	s	0	0	<6
Charles	25	15	10	12	<6	<6	s
Dorchester	11	<6	s	s	0	0	<6
Frederick	61	25	36	46	0	<6	s
Garrett	8	<6	<6	8	0	0	0
Harford	56	33	23	38	0	<6	s
Howard	52	25	27	33	<6	0	s
Kent	<6	<6	0	<6	0	0	0
Montgomery	204	104	100	127	<6	<6	71
Prince George's	67	42	25	42	<6	<6	19
Queen Anne's	24	10	14	17	0	0	7
Saint Mary's	25	17	8	15	0	0	10
Somerset	<6	<6	<6	<6	0	0	0
Talbot	23	14	9	s	0	0	<6
Washington	34	22	12	25	<6	<6	6
Wicomico	29	12	17	s	0	0	<6
Worcester	33	22	11	s	0	0	<6
Unknown	<6	<6	<6	<6	0	0	0

s= Number was suppressed to ensure confidentiality of cell in other column

Cells with 5 or fewer non-zero cases are not presented per DHMH/MCR Data Use Policy

Source: Maryland Cancer Registry, 2002

Table 58.
Melanoma Age-Adjusted Incidence Rates*
by Jurisdiction, Gender and Race, Maryland, 2002

Jurisdiction	Total	Gender		Race		
		Males	Females	Whites	Blacks	Other
Maryland	21.7	27.3	17.8	22.6	**	**
Allegany	**	**	**	**	0.0	0.0
Anne Arundel	30.1	37.2	25.2	24.7	0.0	**
Baltimore City	7.9	10.1	**	17.9	**	0.0
Baltimore County	27.4	37.9	19.7	28.2	**	**
Calvert	**	**	**	**	0.0	0.0
Caroline	**	**	**	**	0.0	0.0
Carroll	25.4	33.7	**	17.1	0.0	**
Cecil	**	**	**	**	0.0	0.0
Charles	**	**	**	**	**	**
Dorchester	**	**	**	**	0.0	0.0
Frederick	29.5	**	33.1	24.3	0.0	**
Garrett	**	**	**	**	0.0	0.0
Harford	25.0	30.6	**	18.9	0.0	**
Howard	21.2	**	21.3	17.6	**	0.0
Kent	**	**	0.0	**	0.0	0.0
Montgomery	22.0	26.0	19.6	18.4	**	**
Prince George's	9.5	14.3	**	15.9	**	**
Queen Anne's	**	**	**	**	0.0	0.0
Saint Mary's	**	**	**	**	0.0	0.0
Somerset	**	**	**	**	0.0	0.0
Talbot	**	**	**	**	0.0	0.0
Washington	23.7	**	**	**	**	**
Wicomico	33.7	**	**	42.2	0.0	0.0
Worcester	49.3	**	**	56.0	0.0	0.0

* Rates are per 100,000 and are age-adjusted to 2000 U.S. standard population

** Rates based on cells with 25 or fewer non-zero cases are not presented per DHMH/MCR Data Use Policy

Source: Maryland Cancer Registry, 2002

Table 61.
Number of Melanoma Cases
by Jurisdiction, Gender and Race, Maryland, 1998-2002

Jurisdiction	Total	Gender		Race			
		Males	Females	Whites	Blacks	Other	Unknown
Maryland	4,705	2,670	2,034	4,058	59	73	515
Allegany	70	33	37	70	0	0	0
Anne Arundel	536	313	223	437	<6	s	84
Baltimore City	270	153	117	248	s	<6	12
Baltimore County	930	510	420	846	8	16	60
Calvert	69	34	35	57	0	<6	s
Caroline	42	31	11	s	0	0	<6
Carroll	183	118	65	154	0	<6	s
Cecil	73	39	34	s	0	0	<6
Charles	83	49	34	64	<6	<6	13
Dorchester	34	19	15	s	<6	0	<6
Frederick	211	124	87	191	<6	<6	s
Garrett	28	15	13	s	<6	0	0
Harford	243	124	119	214	<6	<6	26
Howard	220	116	104	190	<6	<6	26
Kent	26	20	6	26	0	0	0
Montgomery	782	439	342	617	<6	s	144
Prince George's	238	152	86	176	s	<6	39
Queen Anne's	61	32	29	51	0	0	10
Saint Mary's	86	59	27	69	0	0	17
Somerset	24	13	11	s	0	<6	0
Talbot	68	36	32	65	0	<6	<6
Washington	154	86	68	142	<6	<6	8
Wicomico	153	81	72	149	0	<6	<6
Worcester	101	63	38	91	0	<6	<6
Unknown	20	11	9	11	0	<6	<6

s=Number was suppressed to ensure confidentiality of cell in other column

Cells with 5 or fewer non-zero cases are not presented per DHMH/MCR Data Use Policy

Source: Maryland Cancer Registry, 1998-2002

Table 62.
Melanoma Age-Adjusted Incidence Rates*
by Jurisdiction, Gender and Race, Maryland, 1998-2002

Jurisdiction	Total	Gender		Race		
		Males	Females	Whites	Blacks	Other
Maryland	18.0	23.3	14.3	21.6	1.0	7.4
Allegany	16.8	16.6	17.9	17.7	0.0	0.0
Anne Arundel	22.5	29.4	17.6	21.4	**	**
Baltimore City	8.2	11.7	6.2	19.0	**	**
Baltimore County	22.6	28.2	18.9	25.1	**	**
Calvert	19.4	21.3	18.1	19.4	0.0	**
Caroline	26.7	42.7	**	30.7	0.0	0.0
Carroll	23.9	33.6	16.4	20.9	0.0	**
Cecil	17.6	22.4	15.3	17.1	0.0	0.0
Charles	14.4	18.2	11.2	15.1	**	**
Dorchester	18.9	**	**	23.8	**	0.0
Frederick	22.8	30.0	17.5	22.3	**	**
Garrett	17.5	**	**	17.0	**	0.0
Harford	23.0	25.2	21.2	22.5	**	**
Howard	19.6	22.7	17.1	21.5	**	**
Kent	22.5	**	**	27.0	0.0	0.0
Montgomery	17.9	22.9	14.2	18.5	**	**
Prince George's	7.2	10.9	4.6	13.4	**	**
Queen Anne's	28.7	30.6	27.8	27.4	0.0	0.0
Saint Mary's	22.0	31.7	13.2	20.9	0.0	0.0
Somerset	**	**	**	**	0.0	**
Talbot	31.7	35.4	29.2	36.1	0.0	**
Washington	21.8	26.1	19.6	21.6	**	**
Wicomico	36.3	44.3	32.1	45.6	0.0	**
Worcester	33.2	42.0	26.7	35.5	0.0	**

* Rates are per 100,000 and are age-adjusted to 2000 U.S. standard population

** Rates based on cells with 25 or fewer non-zero cases are not presented per DHMH/MCR Data Use Policy

Source: Maryland Cancer Registry, 1998-2002

G. Cervical Cancer

Incidence (New Cases)

A total of 248 women in Maryland were diagnosed with cervical cancer in 2002. The age-adjusted incidence rate for cervical cancer in Maryland for 2002 is 8.5 per 100,000 population of women (7.4-9.6, 95% C.I.), which is statistically significantly higher than the 2002 U.S. SEER cervical cancer incidence rate of 7.2 per 100,000 population of women.

Mortality (Deaths)

In 2002, a total of 73 women died of cervical cancer in Maryland. The age-adjusted cervical cancer mortality rate in Maryland is 2.5 per 100,000 women (1.9-3.1, 95% C.I.). This rate is the same as the 2002 U.S. SEER cervical cancer mortality rate of 2.5 per 100,000 population of women. Maryland women rank 26th highest for cervical cancer mortality rate among the states and the District of Columbia for the period 1998-2002.

Table 65.
Cervical Cancer Incidence and Mortality Rates
by Race, Maryland and the United States, 2002

<i>Incidence 2002</i>	<i>Total</i>	<i>Whites</i>	<i>Blacks</i>	<i>Other</i>
New Cases (#)	248	133	77	11
Incidence Rate*	8.5	6.6	10.4	**
U.S. SEER Rate*	7.2	6.8	10.3	NA
<i>Mortality 2002</i>	<i>Total</i>	<i>Whites</i>	<i>Blacks</i>	<i>Other</i>
Deaths (#)	73	35	35	3
Mortality Rate*	2.5	1.7	4.8	3.3
U.S. SEER Rate*	2.5	2.3	5.0	NA

* Rates are per 100,000 and are age-adjusted to 2000 U.S. standard population

** Rates based on cells with 25 or fewer non-zero cases are not presented per DHMH/MCR Data Use Policy

NA: Data were not available

Source: Maryland Cancer Registry, 2002

CDC WONDER, 2002

SEER, National Cancer Institute, 2002

Table 66.
Number of Cervical Cancer Cases
by Jurisdiction and Race, Maryland, 2002

Jurisdiction	Total	Race			
		Whites	Blacks	Other	Unknown
Maryland	248	133	77	11	27
Allegany	<6	<6	0	0	0
Anne Arundel	24	15	<6	<6	<6
Baltimore City	51	s	31	0	<6
Baltimore County	38	26	9	<6	<6
Calvert	<6	<6	<6	0	0
Caroline	<6	0	<6	0	0
Carroll	9	9	0	0	0
Cecil	<6	<6	0	0	0
Charles	<6	<6	0	0	0
Dorchester	<6	0	<6	0	0
Frederick	<6	<6	0	0	0
Garrett	<6	<6	0	0	0
Harford	<6	<6	0	0	<6
Howard	10	s	0	<6	0
Kent	0	0	0	0	0
Montgomery	42	17	s	<6	13
Prince George's	34	9	21	<6	<6
Queen Anne's	<6	<6	0	0	<6
Saint Mary's	<6	<6	0	0	<6
Somerset	<6	<6	<6	0	0
Talbot	0	0	0	0	0
Washington	<6	<6	0	0	0
Wicomico	<6	<6	0	0	0
Worcester	<6	<6	0	0	0
Unknown	0	0	0	0	0

s= Number was suppressed to ensure confidentiality of cell in other column

Cells with 5 or fewer non-zero cases are not presented per DHMH/MCR Data Use Policy

Source: Maryland Cancer Registry, 2002

**Table 67.
Cervical Cancer Age-Adjusted Incidence Rates*
by Jurisdiction and Race, Maryland, 2002**

Jurisdiction	Total	Race		
		Whites	Blacks	Other
Maryland	8.5	6.6	10.4	**
Allegany	**	**	0.0	0.0
Anne Arundel	**	**	**	**
Baltimore City	14.5	**	13.7	0.0
Baltimore County	8.7	7.6	**	**
Calvert	**	**	**	0.0
Caroline	**	0.0	**	0.0
Carroll	**	**	0.0	0.0
Cecil	**	**	0.0	0.0
Charles	**	**	0.0	0.0
Dorchester	**	0.0	**	0.0
Frederick	**	**	0.0	0.0
Garrett	**	**	0.0	0.0
Harford	**	**	0.0	0.0
Howard	**	**	0.0	**
Kent	0.0	0.0	0.0	0.0
Montgomery	9.0	**	**	**
Prince George's	8.9	**	**	**
Queen Anne's	**	**	0.0	0.0
Saint Mary's	**	**	0.0	0.0
Somerset	**	**	**	0.0
Talbot	0.0	0.0	0.0	0.0
Washington	**	**	0.0	0.0
Wicomico	**	**	0.0	0.0
Worcester	**	**	0.0	0.0

* Rates are per 100,000 and are age-adjusted to 2000 U.S. standard population

** Rates based on cells with 25 or fewer non-zero cases are not presented per DHMH/MCR Data Use Policy

Source: Maryland Cancer Registry, 2002

Table 70.
Number of Cervical Cancer Cases
by Jurisdiction and Race, Maryland, 1998-2002

Jurisdiction	Total	Race			
		Whites	Blacks	Other	Unknown
Maryland	1,150	644	363	73	70
Allegany	12	12	0	0	0
Anne Arundel	97	67	15	7	8
Baltimore City	223	66	144	<6	s
Baltimore County	143	95	39	<6	<6
Calvert	16	s	<6	0	0
Caroline	<6	<6	<6	0	0
Carroll	31	s	<6	<6	<6
Cecil	24	21	<6	0	<6
Charles	21	11	<6	<6	<6
Dorchester	6	<6	<6	0	0
Frederick	40	s	0	<6	<6
Garrett	7	7	0	0	0
Harford	37	28	s	0	<6
Howard	41	28	6	<6	<6
Kent	<6	<6	0	0	0
Montgomery	167	87	27	31	22
Prince George's	174	52	97	15	10
Queen Anne's	9	6	<6	0	<6
Saint Mary's	13	10	<6	0	<6
Somerset	8	<6	<6	0	0
Talbot	8	<6	<6	0	0
Washington	23	s	<6	0	<6
Wicomico	25	21	<6	0	<6
Worcester	15	s	<6	0	0
Unknown	<6	<6	0	0	<6

s=Number was suppressed to ensure confidentiality of cell in other column

Cells with 5 or fewer non-zero cases are not presented per DHMH/MCR Data Use Policy

Source: Maryland Cancer Registry, 1998-2002

**Table 71.
Cervical Cancer Age-Adjusted Incidence Rates*
by Jurisdiction and Race, Maryland, 1998-2002**

Jurisdiction	Total	Race		
		Whites	Blacks	Other
Maryland	8.0	6.5	10.0	12.1
Allegany	**	**	0.0	0.0
Anne Arundel	7.6	6.1	**	**
Baltimore City	12.4	10.1	12.8	**
Baltimore County	6.7	5.6	9.9	**
Calvert	**	**	**	0.0
Caroline	**	**	**	0.0
Carroll	7.7	7.2	**	**
Cecil	**	**	**	0.0
Charles	**	**	**	**
Dorchester	**	**	**	0.0
Frederick	8.0	8.2	0.0	**
Garrett	**	**	0.0	0.0
Harford	6.5	5.4	**	0.0
Howard	6.5	5.6	**	**
Kent	**	**	0.0	0.0
Montgomery	7.0	4.9	8.3	11.2
Prince George's	9.0	7.8	8.8	**
Queen Anne's	**	**	**	0.0
Saint Mary's	**	**	**	0.0
Somerset	**	**	**	0.0
Talbot	**	**	**	0.0
Washington	**	**	**	0.0
Wicomico	**	**	**	0.0
Worcester	**	**	**	0.0

* Rates are per 100,000 and are age-adjusted to 2000 U.S. standard population

** Rates based on cells with 25 or fewer non-zero cases are not presented per DHMH/MCR Data Use Policy

Source: Maryland Cancer Registry, 1998-2002

Appendix H

Maryland Cancer Incidence Rates And Confidence Intervals, 1998-2002

**All Cancer Sites Incidence
Age-Adjusted Incidence Rates*
by Geographical Area, Maryland, 1998-2002**

Geographical Area	Incidence Rates*	95% Confidence Interval	
		Lower CI	Upper CI
Maryland	473.4	470.7	476.1
Northwest Region	487.7	478.6	497.0
Allegany	488.4	468.5	509.1
Frederick	498.7	483.7	514.1
Garrett	446.3	415.2	479.3
Washington	485.8	469.8	502.2
Baltimore Metropolitan Area**	489.9	485.4	494.5
Anne Arundel	487.1	477.8	496.5
Baltimore City	511.9	504.2	519.8
Baltimore County	501.8	495.0	508.6
Carroll	478.3	462.3	494.7
Harford	496.9	482.9	511.2
Howard	445.2	431.4	459.2
National Capital Area	423.4	418.7	428.2
Montgomery	418.1	412.0	424.4
Prince George's	430.9	423.3	438.5
Southern Region	464.1	451.4	477.0
Calvert	489.8	465.2	515.3
Charles	455.2	435.5	475.6
Saint Mary's	454.9	432.9	477.8
Eastern Shore Region	493.4	484.2	502.7
Caroline	494.7	460.6	530.7
Cecil	468.3	447.0	490.4
Dorchester	518.5	486.9	551.8
Kent	434.4	398.8	472.6
Queen Anne's	486.1	457.0	516.6
Somerset	524.3	485.9	565.0
Talbot	498.8	470.7	528.4
Wicomico	505.7	484.5	527.5
Worcester	510.1	485.3	535.9

* Rates are per 100,000 population and are age-adjusted to 2000 U.S. standard population

** Region does not include data for Baltimore City

Source: Maryland Cancer Registry, 1998-2002

**Lung and Bronchus Cancer Incidence
Age-Adjusted Incidence Rates*
by Geographical Area, Maryland, 1998-2002**

Geographical Area	Incidence Rates*	95% Confidence Interval	
		Lower CI	Upper CI
Maryland	68.7	67.7	69.8
Northwest Region	69.4	66.0	72.9
Allegany	78.0	70.4	86.4
Frederick	64.4	59.0	70.1
Garrett	65.7	54.3	79.0
Washington	70.3	64.3	76.7
Baltimore Metropolitan Area**	71.6	69.8	73.4
Anne Arundel	74.7	71.0	78.5
Baltimore City	90.6	87.4	93.9
Baltimore County	74.5	72.0	77.2
Carroll	60.4	54.7	66.5
Harford	74.5	69.1	80.2
Howard	58.3	53.2	63.8
National Capital Area	49.8	48.2	51.5
Montgomery	43.6	41.6	45.6
Prince George's	58.2	55.4	61.1
Southern Region	75.2	70.0	80.6
Calvert	81.7	71.6	92.9
Charles	69.4	61.7	77.8
Saint Mary's	76.7	67.6	86.5
Eastern Shore Region	82.8	79.1	86.6
Caroline	79.3	66.1	94.5
Cecil	78.2	69.6	87.6
Dorchester	91.8	79.0	106.2
Kent	75.3	61.5	91.6
Queen Anne's	73.9	62.9	86.4
Somerset	100.1	83.8	118.7
Talbot	65.0	55.4	76.0
Wicomico	88.4	79.7	97.8
Worcester	93.9	83.7	105.1

* Rates are per 100,000 population and are age-adjusted to 2000 U.S. standard population

** Region does not include data for Baltimore City

Source: Maryland Cancer Registry, 1998-2002

**Colorectal Cancer Incidence
Age-Adjusted Incidence Rates*
by Geographical Area, Maryland, 1998-2002**

Geographical Area	Incidence Rates*	95% Confidence Interval	
		Lower CI	Upper CI
Maryland	53.8	52.9	54.7
Northwest Region	58.5	55.4	61.8
Allegany	60.3	53.5	67.7
Frederick	60.8	55.6	66.4
Garrett	54.3	43.8	66.5
Washington	56.4	51.1	62.2
Baltimore Metropolitan Area**	55.1	53.6	56.6
Anne Arundel	53.4	50.3	56.6
Baltimore City	57.6	55.0	60.2
Baltimore County	57.7	55.4	60.0
Carroll	53.0	47.7	58.8
Harford	52.4	47.8	57.3
Howard	50.7	46.0	55.8
National Capital Area	45.8	44.2	47.5
Montgomery	41.0	39.1	43.0
Prince George's	52.7	50.0	55.5
Southern Region	58.6	54.1	63.5
Calvert	57.2	48.8	66.5
Charles	52.4	45.6	59.8
Saint Mary's	68.3	59.7	77.7
Eastern Shore Region	58.9	55.8	62.2
Caroline	70.5	58.1	84.9
Cecil	56.0	48.7	64.0
Dorchester	67.3	56.3	79.9
Kent	53.9	42.3	68.0
Queen Anne's	62.3	51.9	74.2
Somerset	59.0	46.6	73.8
Talbot	62.3	53.0	73.0
Wicomico	51.7	45.0	59.0
Worcester	58.4	50.4	67.6

* Rates are per 100,000 population and are age-adjusted to 2000 U.S. standard population

** Region does not include data for Baltimore City

Source: Maryland Cancer Registry, 1998-2002

**Female Breast Cancer Incidence
Age-Adjusted Incidence Rates*
by Geographical Area, Maryland, 1998-2002**

Geographical Area	Incidence Rates*	95% Confidence Interval	
		Lower CI	Upper CI
Maryland	130.7	128.9	132.6
Northwest Region	130.5	124.1	137.1
Allegany	120.2	106.5	135.3
Frederick	134.4	124.3	145.2
Garrett	114.6	93.6	139.3
Washington	132.7	121.2	145.0
Baltimore Metropolitan Area**	135.3	132.1	138.5
Anne Arundel	137.2	130.8	143.9
Baltimore City	125.3	120.2	130.5
Baltimore County	138.7	133.8	143.6
Carroll	126.5	115.7	138.1
Harford	126.0	116.9	135.6
Howard	129.9	120.7	139.7
National Capital Area	129.4	126.0	132.9
Montgomery	134.6	130.0	139.3
Prince George's	121.8	116.8	127.0
Southern Region	120.4	112.1	129.2
Calvert	129.4	113.3	147.3
Charles	120.7	108.0	134.5
Saint Mary's	111.8	97.4	127.7
Eastern Shore Region	126.4	120.0	133.0
Caroline	128.5	105.3	155.4
Cecil	108.6	95.2	123.5
Dorchester	137.6	115.3	163.2
Kent	117.4	91.4	149.0
Queen Anne's	118.3	99.4	140.0
Somerset	127.6	101.6	158.4
Talbot	149.1	127.7	173.3
Wicomico	138.2	123.6	154.0
Worcester	119.4	102.7	138.3

* Rates are per 100,000 population and are age-adjusted to 2000 U.S. standard population

** Region does not include data for Baltimore City

Source: Maryland Cancer Registry, 1998-2002

**Prostate Cancer Incidence
Age-Adjusted Incidence Rates*
by Geographical Area, Maryland, 1998-2002**

Geographical Area	Incidence Rates*	95% Confidence Interval	
		Lower CI	Upper CI
Maryland	181.2	178.7	183.8
Northwest Region	170.9	162.6	179.5
Allegany	165.7	148.6	184.3
Frederick	198.0	183.0	213.7
Garrett	164.4	137.5	195.2
Washington	148.3	135.1	162.5
Baltimore Metropolitan Area**	179.7	175.5	184.0
Anne Arundel	165.4	157.1	173.9
Baltimore City	197.8	190.3	205.6
Baltimore County	184.4	178.2	190.8
Carroll	180.9	165.8	196.9
Harford	201.5	187.5	216.1
Howard	172.6	159.2	186.8
National Capital Area	186.1	181.3	191.1
Montgomery	176.7	170.5	183.0
Prince George's	199.3	191.2	207.6
Southern Region	170.3	158.6	182.7
Calvert	183.6	160.3	209.1
Charles	202.8	181.9	225.3
Saint Mary's	123.8	107.2	142.1
Eastern Shore Region	155.2	147.6	163.0
Caroline	135.6	109.6	165.9
Cecil	176.1	155.9	198.2
Dorchester	165.3	139.7	194.7
Kent	129.4	102.5	161.9
Queen Anne's	160.2	136.7	186.7
Somerset	153.3	123.8	187.9
Talbot	175.9	152.4	202.3
Wicomico	146.0	128.8	164.7
Worcester	146.9	128.4	167.6

* Rates are per 100,000 population and are age-adjusted to 2000 U.S. standard population

** Region does not include data for Baltimore City

Source: Maryland Cancer Registry, 1998-2002

Oral Cancer Incidence
Age-Adjusted Incidence Rates*
by Geographical Area, Maryland, 1998-2002

Geographical Area	Incidence Rates*	95% Confidence Interval	
		Lower CI	Upper CI
Maryland	10.4	10.0	10.8
Northwest Region	9.2	7.9	10.5
Baltimore Metropolitan Region**	10.3	9.7	11.0
Baltimore City	15.6	14.3	17.0
Montgomery County	8.3	7.4	9.2
Prince George's County	8.6	7.6	9.7
Southern Region	10.7	8.9	12.7
Eastern Shore Region	11.6	10.3	13.2

* Rates are per 100,000 population and are age-adjusted to 2000 U.S. standard population

** Region does not include data for Baltimore City

Source: Maryland Cancer Registry, 1998-2002

**Melanoma Incidence
Age-Adjusted Incidence Rates*
by Geographical Area, Maryland, 1998-2002**

Geographical Area	Incidence Rates*	95% Confidence Interval	
		Lower CI	Upper CI
Maryland	18.0	17.5	18.5
Northwest Region	20.7	18.9	22.7
Baltimore Metropolitan Region**	22.5	21.5	23.5
Baltimore City	8.2	7.3	9.3
Montgomery County	17.9	16.6	19.2
Prince George's County	7.2	6.3	8.2
Southern Region	18.2	15.9	20.7
Eastern Shore Region	26.9	24.8	29.2

* Rates are per 100,000 population and are age-adjusted to 2000 U.S. standard population

** Region does not include data for Baltimore City

Source: Maryland Cancer Registry, 1998-2002

**Cervical Cancer Incidence
Age-Adjusted Incidence Rates*
by Geographical Area, Maryland, 1998-2002**

Geographical Area	Incidence Rates*	95% Confidence Interval	
		Lower CI	Upper CI
Maryland	8.0	7.6	8.5
Northwest Region	7.1	5.6	8.8
Baltimore Metropolitan Region**	6.9	6.2	7.7
Baltimore City	12.4	10.8	14.1
Montgomery County	7.0	5.9	8.1
Prince George's County	9.0	7.6	10.4
Southern Region	7.2	5.4	9.6
Eastern Shore Region	9.2	7.5	11.2

* Rates are per 100,000 population and are age-adjusted to 2000 U.S. standard population

** Region does not include data for Baltimore City

Source: Maryland Cancer Registry, 1998-2002

For comments or questions about this report contact:

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