

Maryland Department of Health

2025 Cancer Data

Cigarette Restitution Fund Program

Cancer Prevention, Education, Screening and Treatment Program

August 2025

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Glossary

- **Age-adjustment:** Age is the most important risk factor for the incidence of most cancers. However, cancer rates derived from populations that differ in underlying age distributions are not comparable. Age-adjustment is a statistical technique that allows for the comparison of rates among populations with different age distributions, by weighting the age-specific rates in each population to one standard population. Additional information on age-adjustment can be found on the following websites:

<http://seer.cancer.gov/seerstat/tutorials/aarates/definition.html>

<http://www.cdc.gov/nchs/data/statnt/statnt20.pdf>

- **Annual percent change (APC):** A measure of the annual percent increase or decrease in cancer rates over time, which is used for analyzing trends. This measure assumes that cancer rates change at a constant percentage of the rate of the previous year. Rates that change at a constant percentage every year change linearly on a log scale. A more detailed description of this method can be found at:

<https://surveillance.cancer.gov/help/joinpoint/setting-parameters/method-and-parameters-tab/apc-aapc-tau-confidence-intervals/average-annual-percent-change-aapc>

- **Cancer:** A disease characterized by the uncontrolled, abnormal growth of cells in different parts of the body that can spread to other parts of the body.
- **Confidence interval (CI):** Describes the range of uncertainty around a point estimate (e.g., an incidence or mortality rate) and serves as an indicator of the precision or stability of a rate. CIs are useful in defining a range within which the typical rate for a geographic area can be expected to lie. Most CIs are, by convention, calculated at the 95% level, which means that 95% of hypothetically observed CIs generated will contain the true value of interest. The smaller the number of events upon which a rate is based, the wider the confidence interval will be.
- **Incidence:** The number of new cases of a given cancer or other event during a defined time period, usually one year. For the purposes of this report, cancer incidence refers to the number of new cases diagnosed during the individual calendar year 2022. Cancer incidence data are also presented in aggregated form, as the average annual incidence for the 5-year period from 2018 through 2022.
- **International Classification of Diseases (ICD):** The ICD is the international standard diagnostic classification for all general epidemiological, health management, and clinical use. It is used to classify diseases and other health problems recorded on many types of health and vital records, including death certificates and health records.

- **International Classification of Diseases for Oncology (ICD-O):** The ICD-O is the classification system used by tumor or cancer registries to code the site and the histology of the cancer, usually from a pathology report.
- **Invasive cancer:** Cancer that has spread beyond the layer of cells where it first began and has grown into nearby tissues. It may still be considered local stage if it has not spread to other parts of the body. Stage data presented in this report involve a diagnosis of invasive cancer: local, regional, or distant. A diagnosis of *in situ* is non-invasive and is not included in the staging data, except for *in situ* bladder cancer for all sites cancer data.
- **Mortality:** The number of deaths during a defined time period, usually one year. For the purposes of this report, cancer mortality refers to the number of new cancer deaths during the individual calendar year 2022. Cancer mortality data are also presented in an aggregated form, as the average annual mortality for the 5-year period from 2018 through 2022.
- **Race bridging:** Refers to the process of making data collected using one set of race categories consistent with data collected using a different set of race categories. This consistency allows estimation and comparison of race-specific statistics at a given point in time or over a period of time. More specifically, race bridging is a method used to make systems sufficiently comparable to permit estimation and analysis of race-specific statistics. Race-bridging algorithms are generally applied to population data, which are used in this report for calculating rates and for describing race categories of Maryland population estimates.
- **Rate:** An estimate of the burden of a given disease on a defined population at risk over a specified period of time. A crude rate is calculated by dividing the number of cases or deaths (events) by the population at risk during a given time period. Cancer incidence and mortality rates are usually presented per 100,000 population during a given time period. An incidence rate is the number of new cases during a specific period (usually one year) divided by the population at risk per 100,000 population. A mortality rate is the number of deaths for a given period divided by the population at risk per 100,000 population. All rates presented in this report are age-adjusted to the 2000 U.S. standard population.
- **Region:** The following are the five regional categories in Maryland.

Baltimore Metropolitan Area

Anne Arundel, Baltimore City, Baltimore County, Carroll, Harford, and Howard Counties

Note: The Baltimore Metropolitan Area does not include Baltimore City when used in Appendix E.

Eastern Shore Region

Caroline, Cecil, Dorchester, Kent, Queen Anne's, Somerset, Talbot, Wicomico, and Worcester Counties

National Capital Area

Montgomery and Prince George's Counties

Northwest Region

Allegany, Frederick, Garrett, and Washington Counties

Southern Region

Calvert, Charles, and St. Mary's Counties

- **Screening:** Checking for disease when there are no symptoms, resulting in detection of pre-cancer, cancer *in situ*, or cancer at an early stage.
- **Stage at diagnosis:** Cancer stage is the extent to which the cancer has spread from the organ of origin at the time of diagnosis. The stage information used in this report is based on the SEER Summary Stage Guidelines:
 1. ***In situ*:** The cancerous cells have not invaded the tissue basement membrane and there is no stromal invasion. *In situ* cancers are not considered malignant (with the exception of bladder cancers) and are not included in incidence rate calculations.
 2. **Local:** The tumor is confined to the organ of origin.
 3. **Regional:** The tumor has spread to adjacent organs or tissue. Regional lymph nodes may also be involved.
 4. **Distant:** The tumor has spread beyond the adjacent organs or tissues. Distant lymph nodes, organs, and/or tissues may also be involved.
 5. **Unstaged:** The stage of disease at diagnosis was unable to be classified (often due to insufficient information) or was not reported to the cancer registry.
- **Common Abbreviations:**
 - **BRFSS:** Behavioral Risk Factor Surveillance System
 - **CCPC:** Center for Cancer Prevention and Control
 - **HP:** Healthy People
 - **MCCCP:** Maryland Comprehensive Cancer Control Plan
 - **MCR:** Maryland Cancer Registry
 - **MD:** Maryland
 - **MDH:** Maryland Department of Health
 - **NCHS:** National Center for Health Statistics
 - **Race/Ethnicity**
 - **API:** non-Hispanic Asian or Pacific Islander
 - **AIAN:** non-Hispanic American Indian or Alaska Native
 - **Black:** non-Hispanic Black
 - **Hispanic:** Hispanic or Latino

- **White:** non-Hispanic White
- **SEER:** Surveillance, Epidemiology, and End Results Program
- **SEER*Stat:** Surveillance, Epidemiology, and End Results Program statistical software
- **U.S.:** United States

A. Major Highlights of the Report for the State of Maryland

1. Major findings for **all cancer sites**:

- In 2022, a total of 35,209 new cases of cancer were diagnosed in Maryland.
- From 2013 to 2022, the annual overall cancer incidence rate in Maryland decreased slightly by 0.2% per year.
- From 2018 to 2022, incidence rates for all cancer sites decreased among White Marylanders, but increased among Black Marylanders, Hispanic Marylanders and American Indian/Alaska Native Marylanders. There was no change for Asian/Pacific Islander Marylanders.
- In 2022, a total of 10,808 Maryland residents died from cancer.
- The 2022 age-adjusted all cancer mortality rate in Maryland was statistically significantly lower than the all cancer mortality rate in the U.S.
- In both the U.S. and Maryland, the total 2022 age-adjusted cancer mortality rate for Black individuals is statistically significantly higher than the cancer mortality rate for White individuals.
- From 2013 to 2022, all cancer sites mortality rates in the U.S. decreased at a rate of 1.6% per year, and in Maryland decreased at a rate of 2.1% per year.
- The COVID-19 pandemic resulted in lower cancer incidence rates in 2020 due to delays and reductions in cancer screening and diagnosis.¹ The data show that 2020 was a temporary, anomalous year.¹ Although 2020 data were included in the multi-year analyses in this report, the inclusion of 2020 data in multi-year analyses may result in biased estimates, including less precise annual percent change (APC).²

2. Major findings for **lung and bronchus** cancer:

- Lung cancer is the leading cause of cancer death in both men and women in Maryland, accounting for 20.2% of all cancer deaths in 2022.
- From 2018 to 2022, overall lung cancer incidence and mortality rates decreased statewide.
- Incidence rates increased among Hispanic Marylanders from 2018 to 2022.
- A higher proportion of lung cancer cases were diagnosed at the distant stage than at the local or regional stage for all racial groups.
- In 2022, Maryland met both the 7.5% 2025 MCCCCP target and 7.4% Healthy People 2030 goal of high-risk adults screened for lung cancer goal with 16.8% having been screened.

3. Major findings for **colon and rectum** (colorectal) cancer:

- From 2018 to 2022, colorectal cancer incidence rates decreased in Maryland at a rate of 1.9% per year, and increased in the U.S. at a rate of 0.4% per year. Mortality rates decreased 3.1% per year in Maryland, and 0.8% per year in the U.S.
- From 2018 to 2022, Black Marylanders had consistently higher colorectal cancer

1. Impact of COVID on the April 2023 SEER Data Release. 2023. SEER. <https://seer.cancer.gov/data/covid-impact-apr2023.html>.

2. Impact of COVID on the April 2024 SEER Data Release. 2024. SEER. <https://seer.cancer.gov/data/covid-impact.html>.

mortality rates than all other racial groups.

- The percent of Maryland adults ages 50 years and older who were up to date for colorectal cancer screening in 2022 (77.3%) is just shy of the 2025 MCCCCP target of 80.0%.
- As of 2022, only Black Marylanders have met the 2025 MCCCCP target to increase the total percentage of Maryland adults aged 50 years and older who are up to date with their colorectal cancer screening to 80.0%.

4. Major findings for **female breast** cancer:

- Breast cancer is the second leading cause of cancer death among women in Maryland after lung cancer.
- The overall incidence for female breast cancer increased from 2018 to 2022, while the mortality rates decreased.
- From 2018 to 2022, the female breast cancer mortality rates were highest in Black women compared to other racial groups.
- From 2018 to 2022, over half of all female breast cancer cases were diagnosed at the local stage for all racial groups. Black and Hispanic women had the largest percentages of cases diagnosed at the regional and distant stage, combined, compared to other racial and ethnic groups.
- In 2022, 83.2% of Maryland women ages 50 to 74 years reported receiving a mammogram within the past two years meeting the Healthy People 2030 goal and almost meeting the 2025 MCCCCP target.
- In 2022, Black women met both the Healthy People 2030 and 2025 MCCCCP targets for women screened for breast cancer. White women met the Healthy People 2030 goal, but not the 2025 MCCCCP target. Hispanic and multiracial women did not meet either goal.

5. Major findings for **prostate** cancer:

- Prostate cancer is the second leading cause of cancer death among men in Maryland after lung cancer.
- Overall, incidence rates for prostate cancer increased from 2018 to 2022, while mortality rates decreased in Maryland.
- Black men in Maryland had statistically significantly higher incidence and mortality rates than all other racial groups in Maryland in 2022.
- From 2018 to 2022, mortality rates decreased 3.2% per year among White men but increased 2.1% per year among Black men.

6. Major findings for **oral** cancer:

- From 2018 to 2022, the oral cancer incidence rate in Maryland decreased overall.
- Over the 5-year period from 2018 to 2022, White individuals had consistently higher oral cancer incidence rates than all other racial groups in Maryland.
- From 2018 to 2022, oral cancer mortality rates decreased at a rate of 0.3% per year for White Marylanders and increased 3.1% per year for Black Marylanders.
- From 2018 to 2022, most oral cancers in Maryland were diagnosed at the regional

stage for all racial groups, with the exception of American Indian/Alaska Native Marylanders. American Indian/Alaska Native Marylanders had the highest proportion of cases diagnosed at the distant stage (16.7%), while Black Marylanders had the lowest proportion of cases diagnosed at the local stage (25.8%).

7. Major findings for **melanoma** skin cancer:

- Melanoma incidence rates in Maryland increased at a rate of 1.1% per year from 2018 to 2022. The annual incidence rates increased 0.9% per year among males and increased 1.2% per year among females.
- In 2022, melanoma incidence rates were 70.4% higher among males than females in Maryland.
- From 2018 to 2022, overall melanoma mortality rates decreased among both males and among females.
- In 2023, 52.2% of Maryland adults indicated they used at least one sun protective measure always or almost always, which is below the 2025 MCCCCP target of 63.9%.

8. Major findings for **cervical** cancer:

- Cervical cancer incidence rates among Maryland women decreased at a rate of 4.4% per year from 2018 to 2022, while mortality rates decreased at a rate of 3.3% per year.
- From 2018 to 2022, Black women had consistently higher cervical cancer mortality rates than White women in Maryland.
- From 2018 to 2022 mortality rates decreased at a rate of 4.1% per year for White women while rates for Black women decreased at a rate of 7.0% per year.
- From 2018 to 2022, American Indian/Alaska Native women and Black women had the greatest proportion of cervical cancer cases diagnosed at distant stage at 50.0% and 20.2%, respectively.

C. Major Changes to this Report from the 2024 Cancer Report

- This report presents Maryland and U.S. incidence and mortality data for 2022 and 5-year aggregate data for 2018 to 2022 for all cancers in the report.
- This report presents incidence, mortality, and stage at diagnosis stratified by all races/ethnicities for 2018 to 2022.
- The Maryland mortality data for 2018 to 2022 was obtained from the Maryland Department of Health Vital Statistics Administration, as opposed to the NCHS Underlying Cause of Death file in CDC Wide-ranging Online Data for Epidemiologist Research (CDC WONDER) used in previous reports. The NCHS Underlying Cause of Death file no longer provides county-level estimates in their new single-race 2018-2022 data file.
- This report has updated the 2022 Maryland lung cancer screening rate to be 16.8%, matching what is reported by the American Lung Association (ALA). Previously, ALA used radiology data and reported the 2022 Maryland screening rate as 2.9%. In their updated report, ALA uses BRFSS data and calculated the 2022 Maryland screening rate to be 16.8%.

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II. All Cancer Sites

Incidence (New Cases)

A total of 35,209 new cases of cancer diagnosed in 2022 in Maryland residents were reported to the MCR. The total age-adjusted cancer incidence rate for Maryland was 450.0 per 100,000 population 2022. The 2022 Maryland cancer incidence rate is statistically significantly higher than the 2022 U.S. SEER rate of 440.5 per 100,000 population.

In Maryland, White individuals had a statistically significantly higher all sites cancer incidence rate (480.0 per 100,000) than all other racial and ethnic groups in 2022. Black Marylanders had the second highest all sites cancer incidence rate (451.7 per 100,000), statistically significantly higher than the rates for Hispanic, Asian/Pacific Islander, and American Indian/Alaska Native Marylanders. For Maryland and U.S. 2022 incidence rates and 95% confidence intervals by race and ethnicity, see Appendix I, Table 1.

Mortality (Deaths)

Cancer is the second leading cause of death in Maryland, accounting for 19.0% of all deaths in 2022. A total of 10,808 Maryland residents died from cancer in 2022. The Maryland mortality rate for all cancer sites was 136.6 per 100,000 population in 2022. This rate is statistically significantly lower than the 2022 U.S. mortality rate for all cancer sites of 142.0 per 100,000 population. Maryland ranks 37th highest among all states and the District of Columbia in total cancer mortality in 2022.

At 150.9 deaths per 100,000, Black individuals had a statistically significantly higher all sites cancer mortality rate than other racial and ethnic groups in Maryland in 2022. White Marylanders had the second highest all sites cancer mortality rate, statistically significantly higher than Hispanic and Asian/Pacific Islander individuals. The 2022 all sites cancer mortality rate for American Indian/Alaska Native Marylanders is not reportable. For Maryland and U.S. 2022 mortality rates and 95% confidence intervals by race and ethnicity, see Appendix I, Table 2.

Table 1
All Cancer Sites Incidence and Mortality Rates
by Gender and Race/Ethnicity, Maryland and the United States, 2022

<i>Incidence 2022</i>	<i>Total*</i>	<i>Male</i>	<i>Female</i>	<i>White</i>	<i>Black</i>	<i>Hispanic</i>	<i>API</i>	<i>AIAN</i>
MD New Cases (count)	35,209	17,719	17,473	21,864	10,177	1,377	1,443	82
MD Incidence Rate	450.0	489.2	424.5	480.0	451.7	290.7	281.4	334.5
U.S. SEER Rate	440.5	474.2	419.2	470.8	460.9	351.4	315.2	396.6
<i>Mortality 2022</i>	<i>Total*</i>	<i>Male</i>	<i>Female</i>	<i>White</i>	<i>Black</i>	<i>Hispanic</i>	<i>API</i>	<i>AIAN</i>
MD Deaths (count)	10,808	5,403	5,405	6,767	3,229	315	477	13
MD Mortality Rate	136.6	159.2	121.9	138.7	150.9	77.0	94.2	**
U.S. Mortality Rate	142.0	167.4	123.7	147.7	162.6	105.0	91.5	124.1

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

All race rates and counts, except Hispanic, are non-Hispanic/Latino

* Total also includes cases or deaths reported as transsexual, hermaphrodite, unknown gender, unknown race/ethnicity, and unknown jurisdiction

** MD mortality rates based on death counts of 0-19 are suppressed per MDH/CCPC Mortality Data Suppression Policy

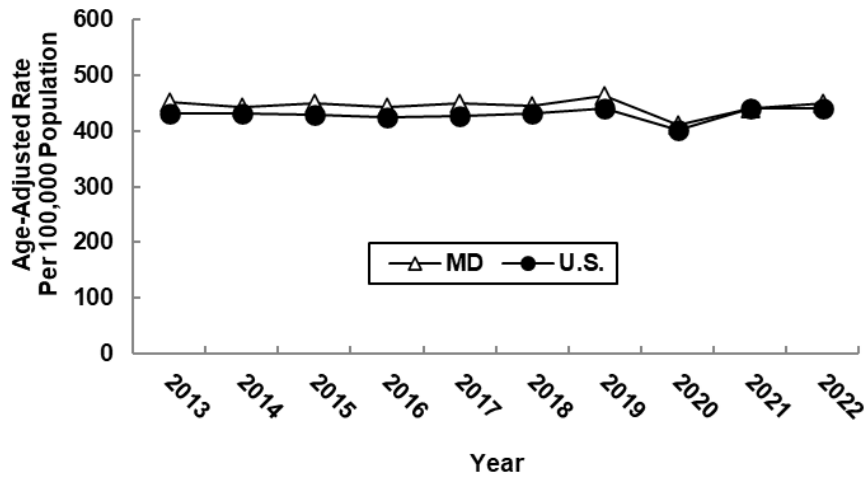
Source: Maryland Cancer Registry

U.S. SEER, SEER*Stat

Maryland Department of Health Vital Statistics Administration

SEER Mortality All Cause of Death Data

**Cancer Incidence Rates
All Cancer Sites
Maryland and U.S., 2013-2022**



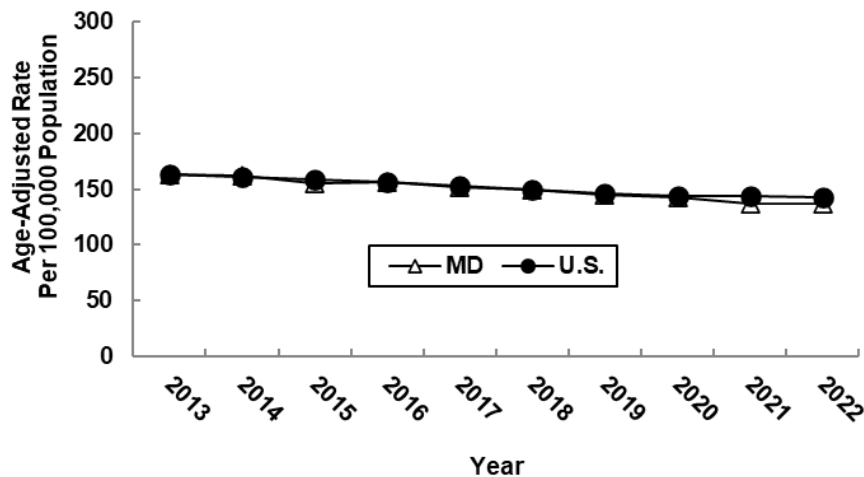
Source: Maryland Cancer Registry
U.S. SEER, SEER*Stat

**Maryland vs. U.S., All Cancer Sites
Incidence Rates, All Age Groups**

All cancer sites incidence rates declined in Maryland, and increased in the U.S. over the 10-year period from 2013 to 2022. Incidence rates for all cancer sites decreased at a rate of 0.2% per year in Maryland, and increased 0.1% in the U.S.

See Appendix H, Table 1.

**Cancer Mortality Rates
All Cancer Sites
Maryland and U.S., 2013-2022**



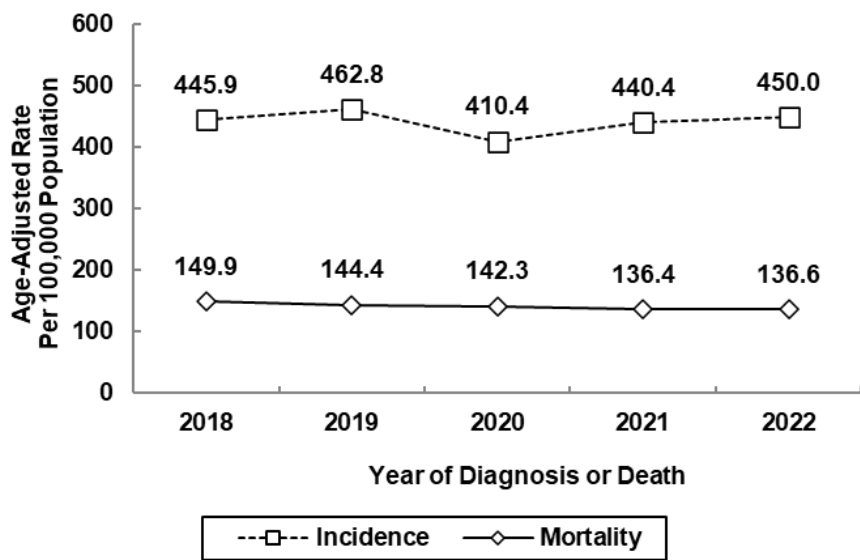
Source: Maryland Department of Health Vital Statistics Administration, 2021-2022 (MD)
NCHS Underlying Cause of Death in CDC WONDER, 2017-2020 (MD)
NCHS Compressed Mortality File in CDC WONDER, 2013-2016 (MD)
SEER Mortality All Cause of Death Data (U.S.)

**Maryland vs. U.S., All Cancer Sites
Mortality Rates, All Age Groups**

Maryland cancer mortality rates have declined since 2013. From 2013 to 2022, all cancer sites mortality rates in the U.S. have decreased at a rate of 1.6% per year and in Maryland decreased at a rate of 2.1% per year.

See Appendix H, Table 2.

**All Cancer Sites Incidence and Mortality Rates
by Year of Diagnosis or Death, Maryland, 2018-2022**



Source: Maryland Cancer Registry
Maryland Department of Health Vital Statistics Administration, 2021-2022
NCHS Underlying Cause of Death in CDC WONDER, 2018-2020

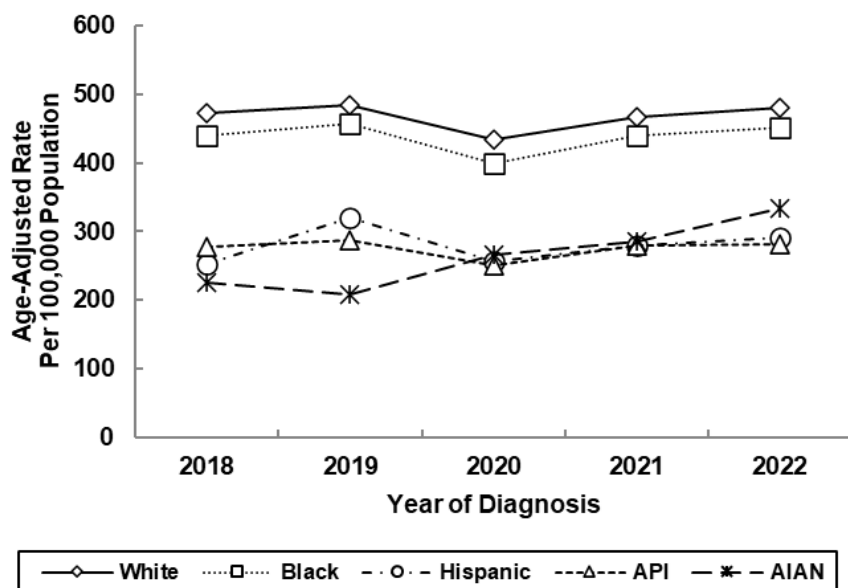
Incidence and Mortality Trends

In Maryland, the incidence rate for all cancer sites decreased at a rate of 0.3% per year from 2018 to 2022.

During the same timeframe, cancer mortality rates decreased at a rate of 2.4% per year.

See Appendix F, Tables 1 and 2.

**All Cancer Sites Incidence by Race/Ethnicity
Maryland, 2018-2022**



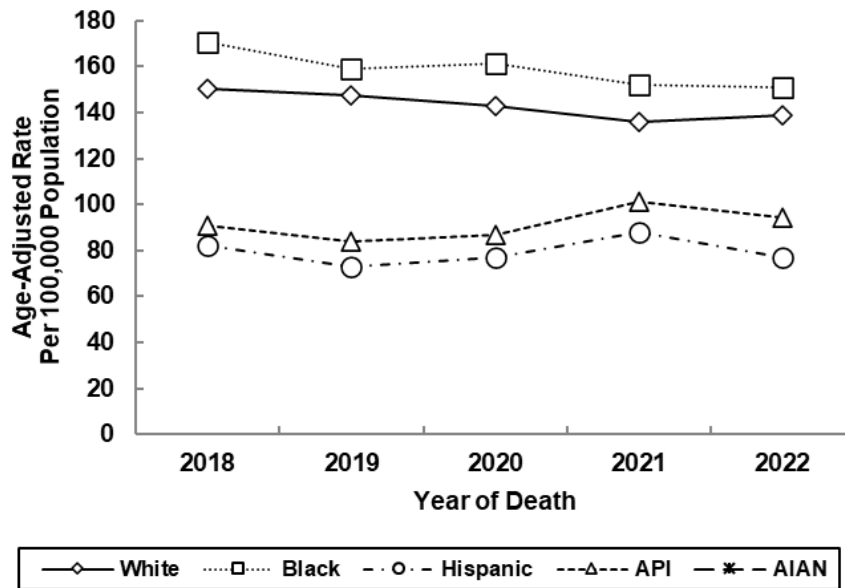
Source: Maryland Cancer Registry

Incidence Trends by Race/Ethnicity

In Maryland, from 2018 to 2022, the incidence rate for all cancer sites was lower among Black, Asian/Pacific Islander, and American Indian/Alaska Native individuals compared to White individuals. From 2018 to 2022, incidence rates for all cancer sites decreased at a rate of 0.1% per year among White Marylanders, but increased 0.2% per year among Black Marylanders, 1.4% per year among Hispanic Marylanders, and 11.8% per year among American Indian/Alaska Native Marylanders. There was no change overall for Asian/Pacific Islander Marylanders.

See Appendix F, Table 3.

**All Cancer Sites Mortality by Race/Ethnicity
Maryland, 2018-2022**



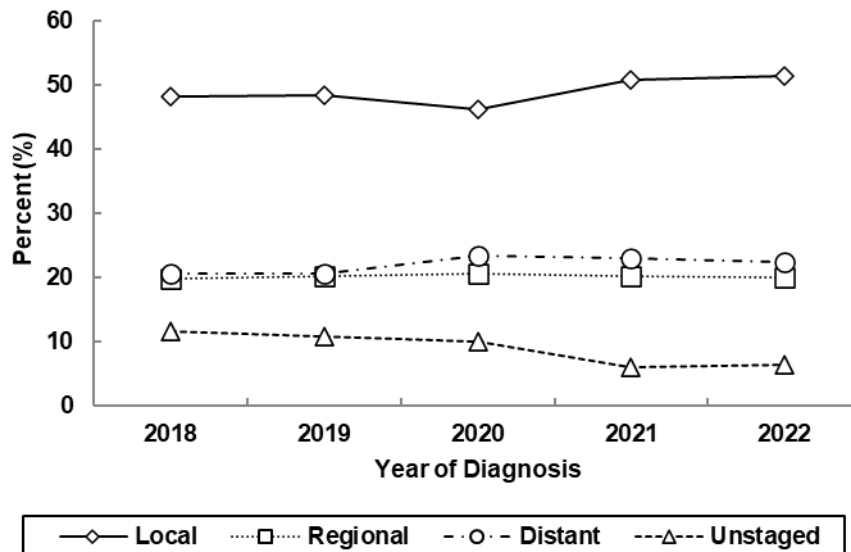
Source: Maryland Department of Health Vital Statistics Administration

Mortality Trends by Race/Ethnicity

From 2018 to 2022, Black Marylanders had higher mortality rates for all cancer sites compared to all other groups. However, both Black and White Marylanders' cancer mortality rates decreased at a rate of 2.9% and 2.4% per year, respectively. The mortality rates for all cancer sites increased 0.5% per year among Hispanic Marylanders and 2.6% per year among Asian/Pacific Islander Marylanders. The mortality rates for American Indian/Alaska Native Marylanders were suppressed from 2018 to 2022.

See Appendix F, Table 5.

**All Cancer Sites by Stage at Diagnosis
Maryland, 2018-2022**



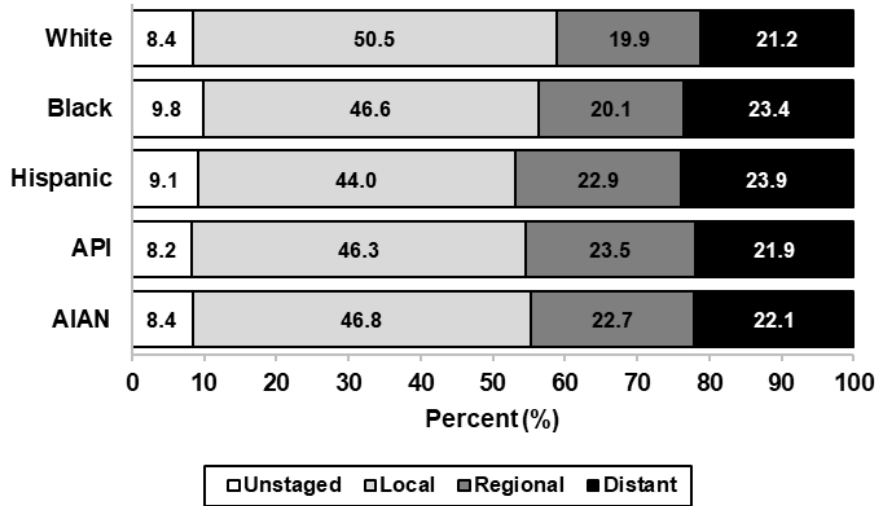
Source: Maryland Cancer Registry

Stage at Diagnosis

Of all cancers diagnosed in Maryland in 2022, 51.3% were found at the local (early) stage, 19.9% at the regional stage, and 22.4% at the distant (late) stage. In 2022, 6.4% of all cancers were reported as unstaged in Maryland. Since 2018, the proportion of all cancers reported as unstaged decreased by 16.3% per year.

See Appendix G, Table 1.

**All Cancer Sites by Race/Ethnicity
and Stage at Diagnosis
Maryland, 2018-2022**



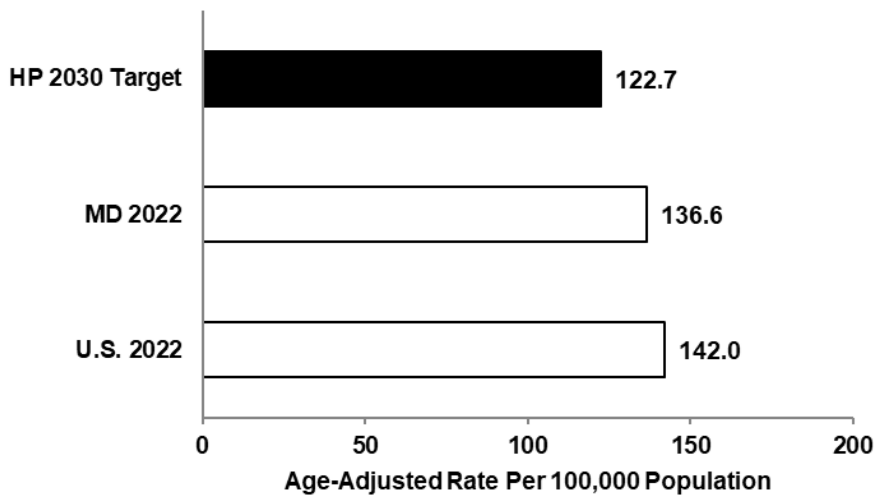
Source: Maryland Cancer Registry

Stage at Diagnosis by Race/Ethnicity

A higher proportion of cancer cases were diagnosed at the local stage than at the regional or distant stage for all racial groups. Black Marylanders had the highest proportion of distant stage at diagnosis, at 23.4% compared to other racial groups.

See Appendix J, Table 1.

**All Cancer Sites Mortality Rates
Maryland and U.S., 2022
Compared to Healthy People 2030 Target**



Source: Healthy People 2030, U.S. Department of Health and Human Services
Maryland Department of Health Vital Statistics Administration, 2022 (MD)
SEER Mortality All Cause of Death Data (U.S.)

Mortality Rates Compared to Healthy People (HP) 2030 Target

In 2022, the mortality rate for all cancer sites in Maryland was 136.6 per 100,000 population, which was lower than the U.S. rate of 142.0 per 100,000 population. Both the Maryland and U.S. 2022 mortality rates were higher than the Healthy People 2030 target of 122.7 per 100,000 population.

Table 2
Number of Cases for All Cancer Sites by Jurisdiction, Gender, and Race/Ethnicity,
Maryland, 2022

Jurisdiction	Total	Gender		Race/Ethnicity				
		Male	Female	White	Black	Hispanic	API	AIAN
Maryland	35,209	17,719	17,473	21,864	10,177	1,377	1,443	82
Allegany	491	259	232	464	22	<6	<6	0
Anne Arundel	3,512	1,753	1,758	2,718	552	118	104	7
Baltimore City	3,209	1,557	1,649	951	2,121	60	34	18
Baltimore	5,321	2,706	2,612	3,645	1,395	94	142	14
Calvert	607	309	298	505	87	7	<6	0
Caroline	217	100	116	181	33	<6	<6	0
Carroll	1,242	668	574	1,158	45	13	14	<6
Cecil	607	312	295	558	37	6	<6	<6
Charles	934	493	441	421	458	12	25	<6
Dorchester	260	130	130	180	73	6	0	0
Frederick	1,644	841	803	1,364	155	61	53	<6
Garrett	178	99	79	176	0	0	<6	0
Harford	1,678	849	828	1,409	198	33	28	<6
Howard	1,610	817	792	1,025	305	57	201	<6
Kent	186	117	69	164	19	<6	<6	0
Montgomery	5,417	2,593	2,821	3,169	966	533	663	11
Prince George's	4,478	2,204	2,271	799	3,202	312	119	8
Queen Anne's	378	201	177	342	25	<6	<6	0
St. Mary's	641	331	310	513	105	6	14	<6
Somerset	145	69	76	110	31	<6	<6	<6
Talbot	330	173	157	290	33	s	<6	0
Washington	939	465	473	829	79	19	10	0
Wicomico	608	337	271	433	145	14	13	<6
Worcester	445	247	198	381	52	9	<6	0

Total includes cases reported as transsexual, hermaphrodite, unknown gender, unknown race/ethnicity, and unknown jurisdiction

<6 = Case counts of 1-5 are suppressed per MDH/MCR Data Use Policy

s = Case counts are suppressed to prevent disclosure of data in other cell(s) (See Appendix A for methods)

All race counts, except Hispanic, are non-Hispanic/Latino

Source: Maryland Cancer Registry, SEER*Stat Static data as of January 29, 2025

Table 3
All Cancer Sites Age-Adjusted Incidence Rates* by Jurisdiction, Gender, and
Race/Ethnicity, Maryland, 2022

Jurisdiction	Total	Gender		Race/Ethnicity				
		Male	Female	White	Black	Hispanic	API	AIAN
Maryland	450.0	489.2	424.5	480.0	451.7	290.7	281.4	334.5
Allegany	507.3	557.9	478.2	514.0	742.5	**	**	0.0
Anne Arundel	480.5	509.6	464.3	492.9	487.0	399.4	321.8	**
Baltimore City	476.2	525.9	443.3	487.0	476.9	260.5	220.2	669.5
Baltimore	475.0	529.3	438.4	496.4	484.4	249.3	242.5	**
Calvert	501.0	532.0	478.8	522.3	499.7	**	**	0.0
Caroline	481.4	444.7	510.8	491.6	579.8	**	**	0.0
Carroll	524.6	587.9	477.4	532.2	577.7	**	**	**
Cecil	443.3	466.1	421.2	453.4	481.8	**	**	**
Charles	473.2	552.0	419.8	477.9	498.4	**	337.7	**
Dorchester	495.7	545.4	458.1	457.1	637.4	**	0.0	0.0
Frederick	475.4	518.9	448.6	494.2	523.5	310.1	304.2	**
Garrett	397.8	459.1	343.1	400.8	0.0	0.0	**	0.0
Harford	486.2	519.1	465.2	495.7	484.0	360.3	266.0	**
Howard	401.0	426.1	382.1	425.7	419.8	349.5	281.8	**
Kent	546.1	728.6	389.2	574.8	428.0	**	**	0.0
Montgomery	404.8	416.6	402.1	445.4	434.9	303.1	296.9	**
Prince George's	390.7	439.0	362.3	448.3	403.9	268.6	231.4	**
Queen Anne's	479.8	514.0	451.2	479.2	520.5	**	**	0.0
St. Mary's	482.9	503.0	470.8	495.2	524.4	**	**	**
Somerset	430.6	418.1	463.7	467.7	347.0	**	**	**
Talbot	460.0	524.5	409.3	468.1	447.4	**	**	0.0
Washington	449.0	451.8	452.6	453.5	549.8	259.5	**	0.0
Wicomico	468.2	562.6	394.4	473.7	458.4	**	**	**
Worcester	453.4	506.6	410.1	453.1	524.1	**	**	0.0

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

** Rates based on case counts of 1-15 are suppressed per MDH/MCR Data Use Policy and Procedures

All race rates, except Hispanic, are non-Hispanic/Latino

Source: Maryland Cancer Registry, SEER*Stat Static data as of January 29, 2025

Table 4
Number of Deaths for All Cancer Sites by Jurisdiction, Gender, and Race/Ethnicity,
Maryland, 2022

Jurisdiction	Total	Gender		Race/Ethnicity				
		Male	Female	White	Black	Hispanic	API	AIAN
Maryland	10,808	5,403	5,405	6,767	3,229	315	477	13
Allegany	148	83	65	145	<6	<6	<6	<6
Anne Arundel	978	470	508	757	155	23	40	<6
Baltimore City	1,208	595	613	314	865	11	17	<6
Baltimore	1,751	853	898	1,223	429	38	57	<6
Calvert	171	90	81	137	28	<6	<6	<6
Caroline	87	47	40	74	9	<6	<6	<6
Carroll	373	189	184	356	10	<6	<6	<6
Cecil	235	133	102	224	8	<6	<6	<6
Charles	274	163	111	150	111	<6	<6	<6
Dorchester	86	39	47	66	18	<6	<6	<6
Frederick	410	226	184	336	40	19	14	<6
Garrett	64	38	26	s	<6	<6	<6	<6
Harford	506	261	245	440	41	7	16	<6
Howard	440	221	219	276	86	s	65	<6
Kent	44	33	11	37	s	<6	<6	<6
Montgomery	1,411	648	763	853	253	114	189	<6
Prince George's	1,411	702	709	293	1,012	59	46	<6
Queen Anne's	112	64	48	101	10	<6	<6	<6
St. Mary's	221	109	112	179	33	<6	<6	<6
Somerset	62	29	33	39	s	<6	<6	<6
Talbot	113	49	64	101	9	<6	<6	<6
Washington	355	181	174	317	27	<6	7	<6
Wicomico	209	108	101	159	43	<6	<6	<6
Worcester	139	72	67	126	10	<6	<6	<6

Total includes deaths reported as unknown race/ethnicity

<6 = Death counts of 0-5 are suppressed per MDH/CCPC Mortality Data Suppression Policy

s = Death counts are suppressed to prevent disclosure of data in other cell(s) (See Appendix A for methods)

All race counts, except Hispanic, are non-Hispanic/Latino

Source: Maryland Department of Health Vital Statistics Administration

Table 5
All Cancer Sites Age-Adjusted Mortality Rates* by Jurisdiction, Gender, and
Race/Ethnicity, Maryland, 2022

Jurisdiction	Total	Gender		Race/Ethnicity				
		Male	Female	White	Black	Hispanic	API	AIAN
Maryland	136.6	159.2	121.9	138.7	150.9	77.0	94.2	**
Allegany	143.7	178.1	116.6	147.8	**	**	**	**
Anne Arundel	134.8	145.8	128.7	132.5	151.1	83.1	133.9	**
Baltimore City	177.0	213.6	153.4	155.0	193.1	**	**	**
Baltimore	148.9	173.6	133.6	146.4	162.0	136.4	100.9	**
Calvert	140.5	167.8	121.1	136.0	178.7	**	**	**
Caroline	195.2	237.7	170.0	196.9	**	**	**	**
Carroll	156.2	183.6	137.6	160.4	**	**	**	**
Cecil	171.6	209.0	140.2	180.3	**	**	**	**
Charles	145.4	207.2	103.5	157.4	142.4	**	**	**
Dorchester	166.5	167.5	172.4	163.7	**	**	**	**
Frederick	119.4	149.4	98.2	118.3	166.5	**	**	**
Garrett	138.3	180.4	101.6	141.4	**	**	**	**
Harford	146.1	176.0	126.4	150.8	119.7	**	**	**
Howard	112.3	128.2	101.4	112.3	129.5	**	97.0	**
Kent	117.8	190.9	**	118.6	**	**	**	**
Montgomery	101.2	109.1	96.8	106.1	122.1	73.1	81.8	**
Prince George's	128.5	161.0	111.0	150.6	133.5	58.2	87.4	**
Queen Anne's	141.9	173.8	114.1	141.5	**	**	**	**
St. Mary's	170.4	180.7	162.7	174.3	180.4	**	**	**
Somerset	187.1	205.3	184.3	162.6	293.5	**	**	**
Talbot	126.0	124.9	128.0	129.2	**	**	**	**
Washington	166.2	190.1	154.1	164.9	186.0	**	**	**
Wicomico	164.0	192.5	145.0	166.4	163.1	**	**	**
Worcester	135.4	152.3	118.6	143.5	**	**	**	**

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

** Rates based on death counts of 0-19 are suppressed per MDH/CCPC Mortality Data Suppression Policy

All race rates, except Hispanic, are non-Hispanic/Latino

Source: Maryland Department of Health Vital Statistics Administration

Table 6
Number of Cases for All Cancer Sites by Jurisdiction, Gender, and Race/Ethnicity,
Maryland, 2018-2022

Jurisdiction	Total	Gender		Race/Ethnicity				
		Male	Female	White	Black	Hispanic	API	AIAN
Maryland	166,906	83,402	83,471	105,492	46,872	5,997	6,602	299
Allegany	2,566	1,353	1,213	2,409	115	9	13	0
Anne Arundel	16,206	8,089	8,115	12,835	2,377	452	407	31
Baltimore City	15,730	7,720	8,005	4,792	10,306	281	189	36
Baltimore	25,676	12,527	13,141	17,955	6,360	432	711	47
Calvert	2,802	1,492	1,310	2,370	360	28	28	<6
Caroline	1,025	500	524	864	134	14	8	0
Carroll	5,628	2,973	2,655	5,301	179	48	65	<6
Cecil	3,076	1,596	1,480	2,853	163	24	22	<6
Charles	4,102	2,060	2,040	2,041	1,838	68	86	16
Dorchester	1,219	631	588	861	329	14	<6	<6
Frederick	7,204	3,608	3,595	6,051	612	276	197	11
Garrett	864	463	401	851	0	<6	<6	<6
Harford	7,935	3,957	3,976	6,723	881	117	157	16
Howard	7,689	3,838	3,848	5,013	1,431	239	882	17
Kent	798	479	319	694	95	<6	<6	<6
Montgomery	25,049	11,980	13,065	14,960	4,248	2,383	2,991	44
Prince George's	21,061	10,173	10,885	4,032	14,717	1,352	615	38
Queen Anne's	1,676	880	796	1,519	117	8	16	<6
St. Mary's	2,985	1,559	1,426	2,396	474	49	54	6
Somerset	749	403	346	531	201	10	<6	<6
Talbot	1,589	810	779	1,391	155	24	7	<6
Washington	4,503	2,230	2,271	4,040	344	62	42	<6
Wicomico	3,038	1,650	1,388	2,217	702	47	53	7
Worcester	2,265	1,205	1,060	1,991	237	21	9	0

Total includes cases reported as transsexual, hermaphrodite, unknown gender, unknown race/ethnicity, and unknown jurisdiction

<6 = Case counts of 1-5 are suppressed per MDH/MCR Data Use Policy

s = Case counts are suppressed to prevent disclosure of data in other cell(s) (See Appendix A for methods)

All race counts, except Hispanic, are non-Hispanic/Latino

Source: Maryland Cancer Registry, SEER*Stat Static data as of January 29, 2025

Table 7
All Cancer Sites Age-Adjusted Incidence Rates* by Jurisdiction, Gender, and
Race/Ethnicity, Maryland, 2018-2022

Jurisdiction	Total	Gender		Race/Ethnicity				
		Male	Female	White	Black	Hispanic	API	AIAN
Maryland	442.0	479.9	417.3	467.5	437.4	280.2	275.2	263.7
Allegany	518.2	565.4	490.1	522.5	742.9	**	**	0.0
Anne Arundel	461.6	492.2	442.5	474.1	451.4	333.6	281.4	295.7
Baltimore City	463.4	524.3	424.4	483.6	464.9	273.5	276.2	294.5
Baltimore	471.5	509.6	447.6	484.7	474.6	286.0	255.1	324.2
Calvert	475.2	527.6	435.3	499.7	440.3	222.4	233.1	**
Caroline	463.4	468.8	464.3	473.7	470.8	**	**	0.0
Carroll	494.0	547.5	455.1	499.3	486.7	228.6	288.8	**
Cecil	465.0	495.7	440.4	478.0	434.2	140.3	257.2	**
Charles	436.2	482.7	404.4	444.6	443.5	274.4	246.9	214.3
Dorchester	492.6	536.5	456.8	465.3	590.9	**	**	**
Frederick	448.2	479.3	431.1	457.5	465.7	327.5	269.7	**
Garrett	377.6	416.3	345.2	380.6	0.0	**	**	**
Harford	478.0	512.4	455.6	485.7	473.3	297.1	331.0	305.8
Howard	400.9	423.1	385.6	423.4	427.8	312.6	269.2	441.7
Kent	489.3	611.8	387.2	509.7	459.7	**	**	**
Montgomery	384.9	399.1	379.4	422.7	406.1	288.3	283.1	355.4
Prince George's	393.1	431.6	371.5	439.8	390.9	255.2	246.3	170.9
Queen Anne's	456.0	478.8	437.0	467.5	489.4	**	427.6	**
St. Mary's	465.2	496.2	439.0	474.8	524.5	256.9	263.7	**
Somerset	462.7	507.4	446.1	489.5	470.5	**	**	**
Talbot	462.8	499.6	435.2	469.7	431.7	269.4	**	**
Washington	446.6	457.8	445.3	449.0	492.1	245.4	261.1	**
Wicomico	484.4	572.6	419.0	497.4	489.3	292.3	294.9	**
Worcester	481.7	517.3	454.9	492.5	501.4	305.7	**	0.0

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

** Rates based on case counts of 1-15 are suppressed per MDH/MCR Data Use Policy and Procedures

All race rates, except Hispanic, are non-Hispanic/Latino

Source: Maryland Cancer Registry, SEER*Stat Static data as of January 29, 2025

Table 8
Number of Deaths for All Cancer Sites by Jurisdiction, Gender, and Race/Ethnicity,
Maryland, 2018-2022

Jurisdiction	Total	Gender		Race/Ethnicity				
		Male	Female	White	Black	Hispanic	API	AIAN
Maryland	53,834	27,263	26,571	34,110	16,048	1,435	2,113	77
Allegany	822	448	374	804	16	<6	<6	<6
Anne Arundel	4,997	2,545	2,452	3,976	772	95	141	8
Baltimore City	6,205	3,119	3,086	1,622	4,430	58	77	10
Baltimore	8,701	4,294	4,407	6,284	2,057	115	229	11
Calvert	895	469	426	741	130	12	9	<6
Caroline	393	219	174	336	45	<6	<6	<6
Carroll	1,772	925	847	1,694	44	11	21	<6
Cecil	1,110	623	487	1,031	60	<6	7	<6
Charles	1,358	717	641	764	535	21	26	12
Dorchester	435	232	203	319	110	<6	<6	<6
Frederick	2,040	1,075	965	1,742	173	57	61	<6
Garrett	320	184	136	319	<6	<6	<6	<6
Harford	2,460	1,276	1,184	2,120	247	29	59	<6
Howard	2,063	1,042	1,021	1,360	400	50	247	<6
Kent	254	152	102	216	37	<6	<6	<6
Montgomery	7,032	3,329	3,703	4,298	1,208	593	924	<6
Prince George's	7,010	3,453	3,557	1,476	4,963	318	239	10
Queen Anne's	533	286	247	491	37	<6	<6	<6
St. Mary's	1,042	537	505	826	170	16	25	<6
Somerset	323	174	149	224	96	<6	<6	<6
Talbot	539	269	270	459	69	7	<6	<6
Washington	1,688	902	786	1,549	110	14	13	<6
Wicomico	1,106	602	504	809	261	16	17	<6
Worcester	736	391	345	650	78	<6	<6	<6

Total includes deaths reported as unknown race/ethnicity

<6 = Death counts of 0-5 are suppressed per MDH/CCPC Mortality Data Suppression Policy

s = Death counts are suppressed to prevent disclosure of data in other cell(s) (See Appendix A for methods)

All race counts, except Hispanic, are non-Hispanic/Latino

Source: Maryland Department of Health Vital Statistics Administration

Table 9
All Cancer Sites Age-Adjusted Mortality Rates* by Jurisdiction, Gender, and
Race/Ethnicity, Maryland, 2018-2022

Jurisdiction	Total	Gender		Race/Ethnicity				
		Male	Female	White	Black	Hispanic	API	AIAN
Maryland	141.8	166.9	124.8	143.0	158.7	79.3	91.7	63.8
Allegany	155.9	187.8	131.3	162.1	**	**	**	**
Anne Arundel	143.4	166.8	127.5	143.1	162.1	80.1	103.9	**
Baltimore City	183.5	226.2	156.1	162.6	201.5	70.1	128.8	**
Baltimore	153.1	180.2	136.1	153.4	166.5	92.5	90.1	**
Calvert	153.2	180.1	133.2	155.9	169.3	**	**	**
Caroline	178.5	229.8	143.0	181.4	170.5	**	**	**
Carroll	154.7	184.5	133.5	157.4	131.2	**	103.2	**
Cecil	171.1	206.3	141.3	174.9	166.0	**	**	**
Charles	152.7	188.8	127.8	159.0	153.4	107.7	75.8	**
Dorchester	169.6	199.2	148.1	166.6	191.3	**	**	**
Frederick	127.9	154.6	109.7	128.7	158.1	79.8	99.2	**
Garrett	130.9	167.3	100.2	133.8	**	**	**	**
Harford	148.0	177.2	128.0	150.0	148.2	79.3	130.4	**
Howard	112.4	128.6	100.5	115.4	132.4	81.5	83.0	**
Kent	137.5	186.8	98.6	139.8	152.3	**	**	**
Montgomery	105.0	115.6	98.2	109.6	124.7	80.9	87.6	**
Prince George's	137.5	165.7	120.9	146.6	140.4	74.5	94.4	**
Queen Anne's	141.7	163.6	123.5	148.1	147.0	**	**	**
St. Mary's	167.0	183.2	154.0	166.6	206.3	**	129.4	**
Somerset	195.4	233.7	172.1	195.2	238.1	**	**	**
Talbot	133.0	148.0	121.9	129.4	171.3	**	**	**
Washington	161.7	193.5	139.2	161.0	178.1	**	**	**
Wicomico	174.1	217.0	143.4	173.2	192.0	**	**	**
Worcester	143.2	166.1	124.4	145.2	160.5	**	**	**

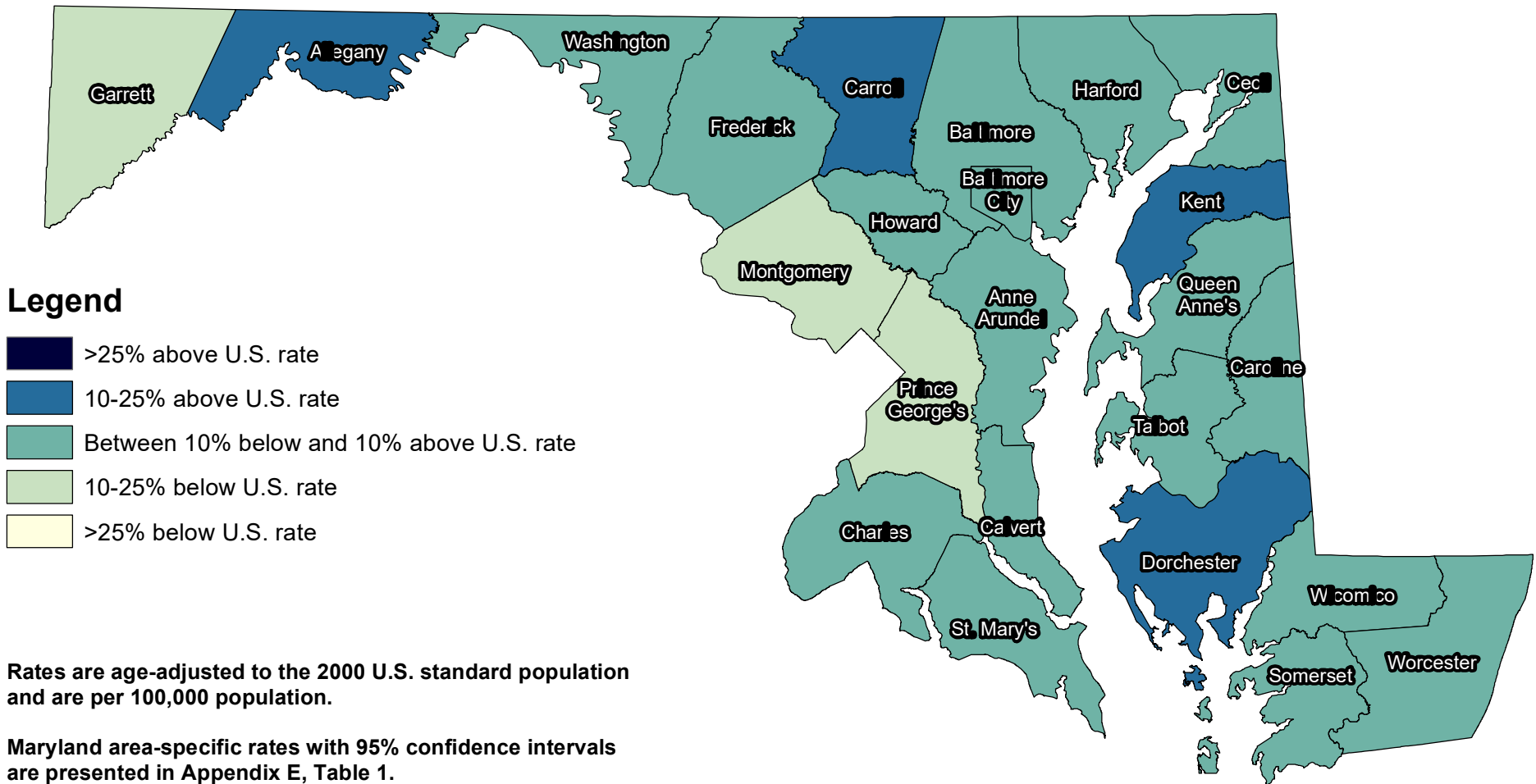
* Rates are per 100,000 population and age-adjusted to 2000 U.S. standard population

** Rates based on death counts of 0-19 are suppressed per MDH/CCPC Mortality Data Suppression Policy

All race rates, except Hispanic, are non-Hispanic/Latino

Source: Maryland Department of Health Vital Statistics Administration

Maryland All Sites Cancer Incidence Rates by Geographical Area: Comparison to U.S. Rate, 2018-2022

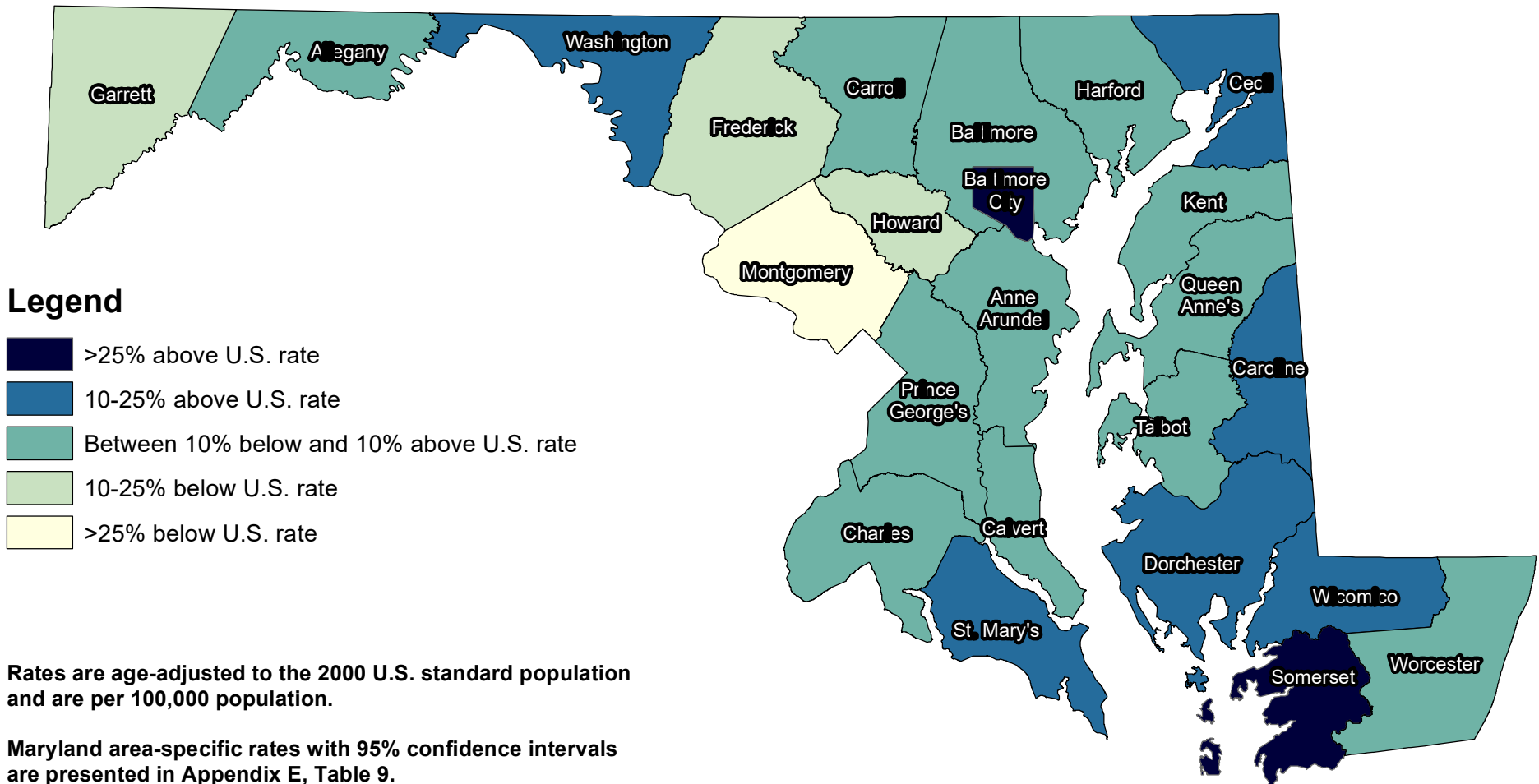


U.S. all sites cancer incidence rate, 2018-2022: 442.6 / 100,000

Maryland all sites cancer incidence rate, 2018-2022: 442.0 / 100,000

Sources: Maryland Cancer Registry
U.S. SEER, SEER*Stat Database

Maryland All Sites Cancer Mortality Rates by Geographical Area: Comparison to U.S. Rate, 2018-2022



U.S. all sites cancer mortality rate, 2018-2022: 146.0 / 100,000

Maryland all sites cancer mortality rate, 2018-2022: 141.8 / 100,000

Sources: Maryland Department of Health Vital Statistics Administration
U.S. SEER, Cancer Statistics Review

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III. Targeted Cancers

A. Lung and Bronchus Cancer

Incidence (New Cases)

There were 3,749 new cases of lung and bronchus cancer (collectively called lung cancer) reported among Maryland residents in 2022. The 2022 Maryland age-adjusted lung cancer incidence rate was 45.8 per 100,000 population, which is statistically significantly higher than the 2022 U.S. SEER lung cancer incidence rate of 43.6 per 100,000 population.

The 2022 lung cancer incidence rate among White Marylanders is statistically significantly higher than all other racial and ethnic groups, at 50.6 per 100,000. Black Marylanders had the second highest lung cancer incidence rate, statistically significantly higher than the rates for Hispanic and Asian/Pacific Islander Marylanders. The lung cancer incidence rate for American Indian/Alaska Native Marylanders is not reportable. For Maryland and U.S. 2022 incidence rates and 95% confidence intervals by race and ethnicity, see Appendix I, Table 1.

Mortality (Deaths)

There were 2,184 lung cancer deaths among Maryland residents in 2022. In 2022, lung cancer accounted for 20.2% of all cancer deaths in Maryland and was the leading cause of cancer death in both men and women. Maryland had the 36th highest lung cancer mortality rate among the states and the District of Columbia in 2022. The 2022 age-adjusted lung cancer mortality rate was 26.9 per 100,000 population in Maryland. This rate is statistically significantly lower than the 2022 U.S. mortality rate for lung cancer of 29.9 per 100,000 population.

Lung cancer mortality rates in 2022 were highest among White and Black Marylanders, at 29.7 per 100,000 and 26.4 per 100,000 respectively; these rates are statistically significantly higher than the lung cancer mortality rates for Hispanic and Asian/Pacific Islander Marylanders. The lung cancer mortality rate for American Indian/Alaska Native Marylanders is not reportable. For Maryland and U.S. 2022 mortality rates and 95% confidence intervals by race and ethnicity, see Appendix I, Table 2.

Table 10
Lung Cancer Incidence and Mortality Rates
by Gender and Race/Ethnicity, Maryland and the United States, 2022

<i>Incidence 2022</i>	<i>Total*</i>	<i>Male</i>	<i>Female</i>	<i>White</i>	<i>Black</i>	<i>Hispanic</i>	<i>API</i>	<i>AIAN</i>
MD New Cases (count)	3,749	1,733	2,015	2,523	1,010	69	118	14
MD Incidence Rate	45.8	48.0	44.4	50.6	44.9	18.4	23.2	**
U.S. SEER Rate	43.6	47.4	40.7	49.1	49.5	24.2	32.3	40.9
<i>Mortality 2022</i>	<i>Total*</i>	<i>Male</i>	<i>Female</i>	<i>White</i>	<i>Black</i>	<i>Hispanic</i>	<i>API</i>	<i>AIAN</i>
MD Deaths (count)	2,184	1,089	1,095	1,495	572	36	75	<6
MD Mortality Rate	26.9	31.3	23.9	29.7	26.4	10.3	14.9	**
U.S. Mortality Rate	29.9	35.2	25.9	32.8	31.8	13.8	18.1	26.2

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

All race rates and counts, except Hispanic, are non-Hispanic/Latino

* Total also includes cases or deaths reported as transsexual, hermaphrodite, unknown gender, unknown race/ethnicity, and unknown jurisdiction

<6 = Death counts of 0-5 are suppressed per MDH/CCPC Mortality Data Suppression Policy

** MD incidence rates based on case counts of 1-15 are suppressed per MDH/MCR Data Use Policy and Procedures; MD mortality rates based on death counts of 0-19 are suppressed per MDH/CCPC Mortality Data Suppression Policy

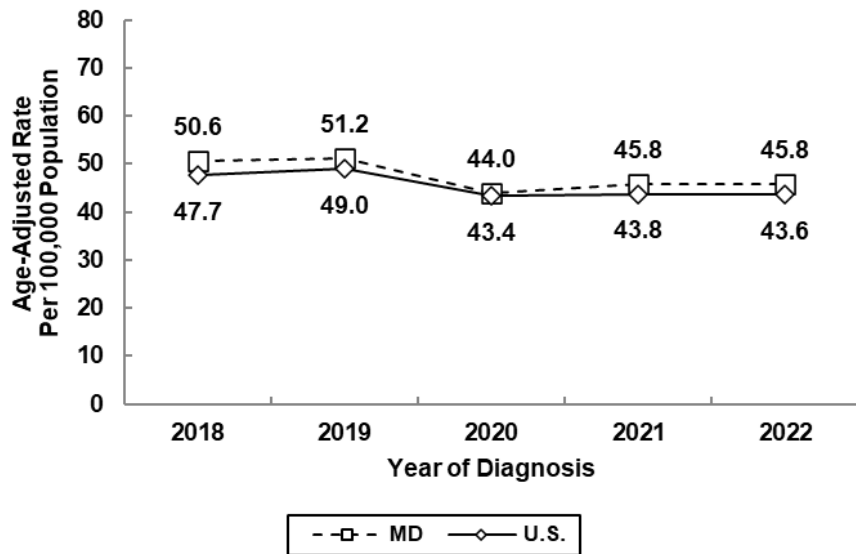
Source: Maryland Cancer Registry

U.S. SEER, SEER*Stat

Maryland Department of Health Vital Statistics Administration

SEER Mortality All Cause of Death Data

Lung Cancer Incidence by Year of Diagnosis, Maryland and U.S., 2018-2022



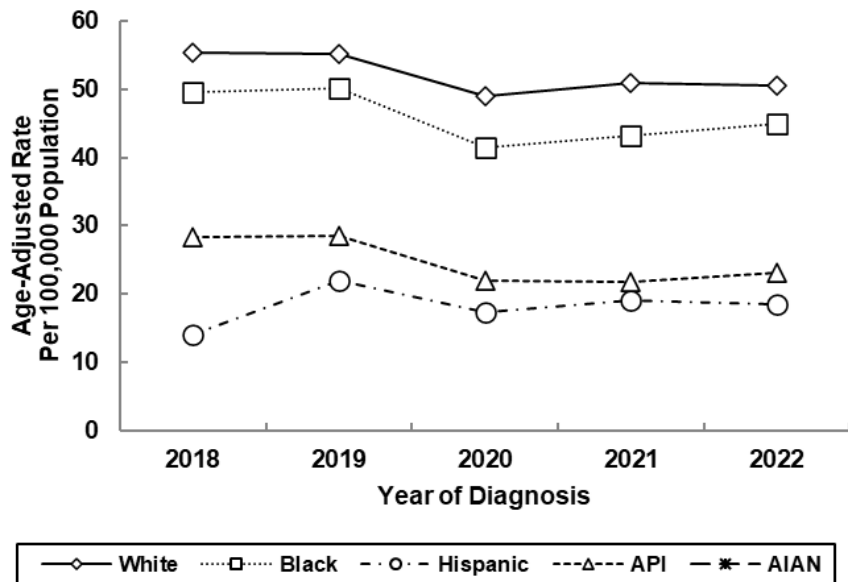
Source: Maryland Cancer Registry
U.S. SEER, SEER*Stat

Maryland vs. U.S., Incidence Rates

Lung cancer incidence rates decreased in Maryland at a rate of 3.1% per year and at a rate of 2.9% per year in the U.S from 2018 to 2022.

See Appendix F, Table 1.

Lung Cancer Incidence by Race/Ethnicity Maryland, 2018-2022

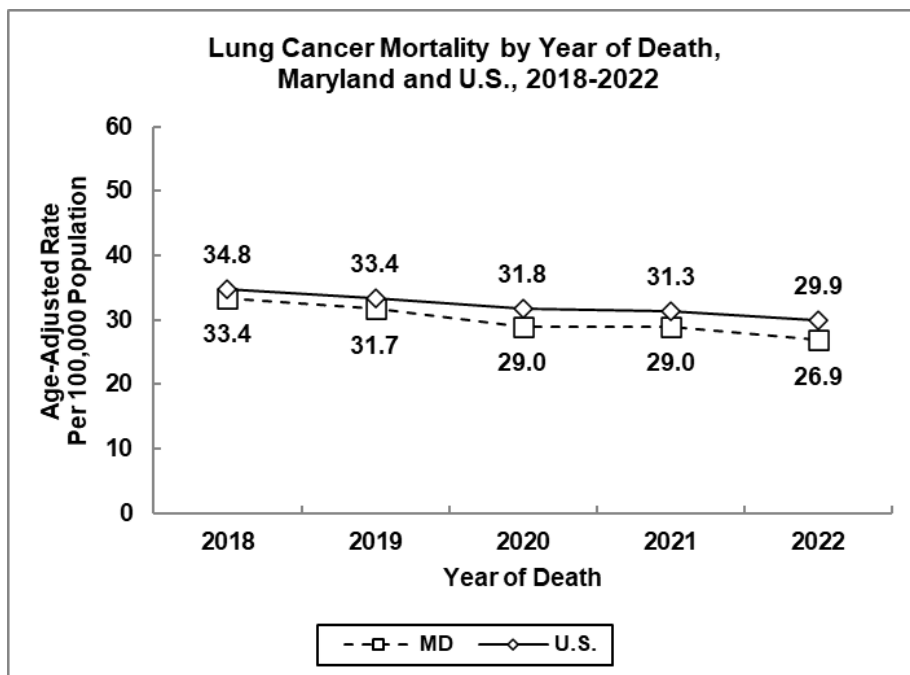


Source: Maryland Cancer Registry

Incidence Trends by Race/Ethnicity

Between 2018 and 2022, the lung cancer incidence rates were lower among Black, Hispanic, and Asian/Pacific Islander individuals compared to White individuals in Maryland. From 2018 to 2022, lung cancer incidence rates decreased at a rate of 2.5% per year among White Marylanders, 3.5% per year among Black Marylanders, and 6.5% per year among Asian/Pacific Islander Marylanders. It increased 3.9% per year among Hispanic Marylanders. Lung cancer incidence rates for American Indian/Alaska Native Marylanders were suppressed from 2018 to 2022.

See Appendix F, Table 3.

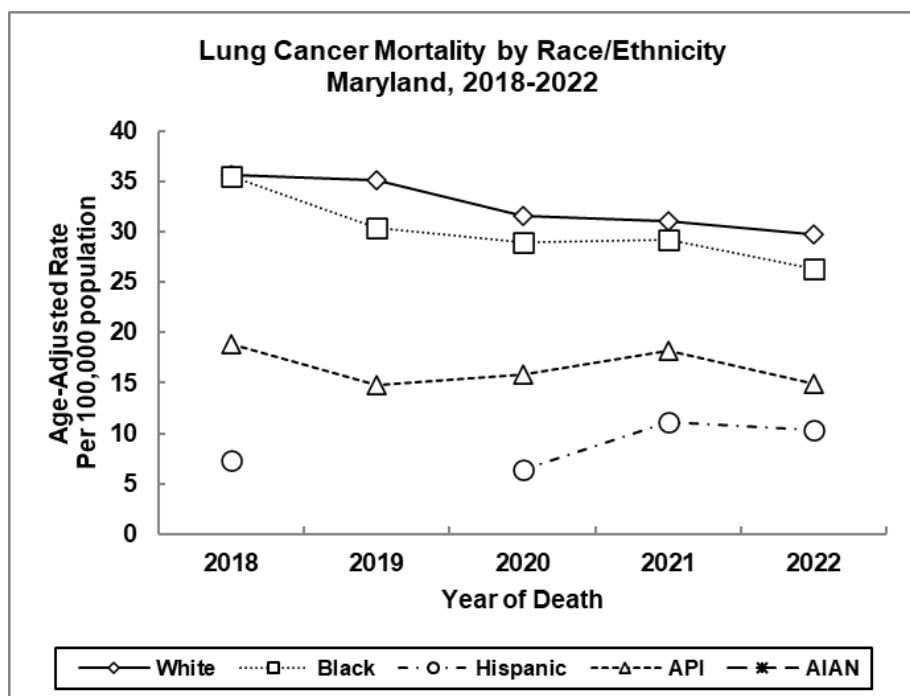


Source: Maryland Department of Health Vital Statistics Administration, 2021-2022 (MD)
NCHS Underlying Cause of Death in CDC WONDER, 2018-2020
SEER Mortality All Cause of Death Data (U.S.)

Maryland vs. U.S., Mortality Rates

Lung cancer mortality rates decreased in Maryland at a rate of 5.1% per year and in the U.S. at a rate of 3.6% per year from 2018 to 2022.

See Appendix F, Table 2.

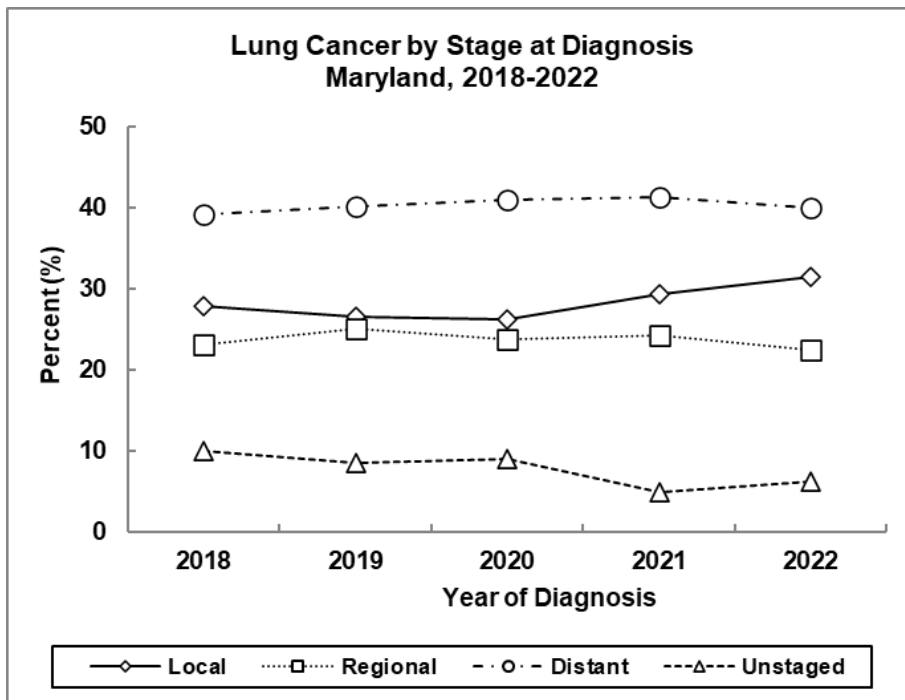


Source: Maryland Department of Health Vital Statistics Administration

Mortality Trends by Race/Ethnicity

From 2018 to 2022, Black and White Marylanders had consistently higher lung cancer mortality rates than all other groups. However, both Black and White Marylanders' lung cancer mortality rates decreased, at a rate of 6.1% per year and 4.7% per year, respectively. The mortality rates for lung cancer decreased 2.7% per year among Asian/Pacific Islander Marylanders in the same time frame. The mortality rates for American Indian/Alaska Native Marylanders from 2018 to 2022 and for Hispanic Marylanders in 2019 were suppressed.

See Appendix F, Table 5.

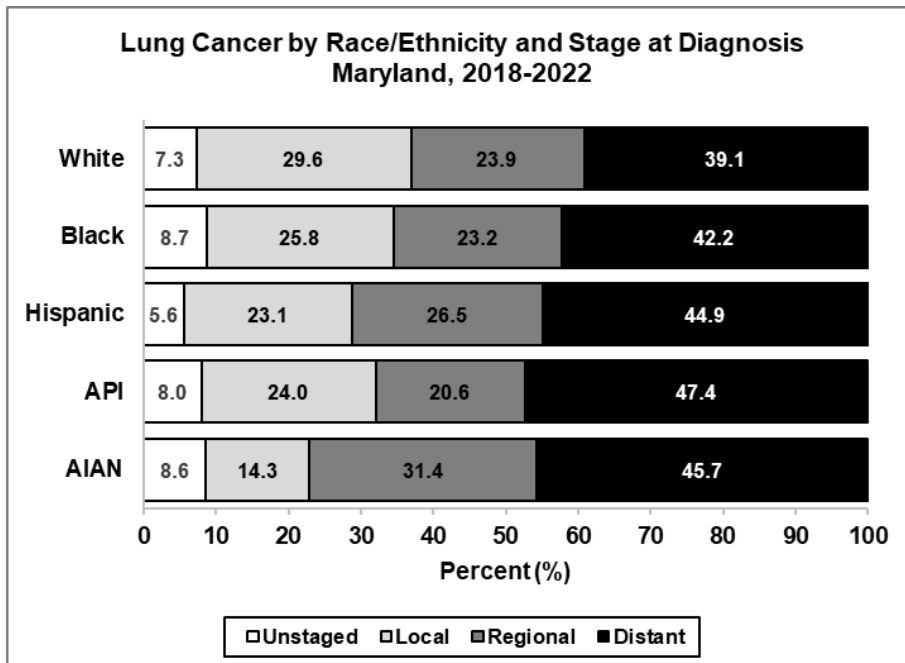


Source: Maryland Cancer Registry

Stage at Diagnosis

A higher proportion of lung cancer cases were diagnosed at the distant stage than at the local or regional stage. In 2022, 31.4% of lung cancer cases in Maryland were diagnosed at the local stage, 22.4% at the regional stage, and 40.0% at the distant stage. The proportion of lung cancers reported as unstaged decreased 13.7% per year from 2018 to 2022.

See Appendix G, Table 2.

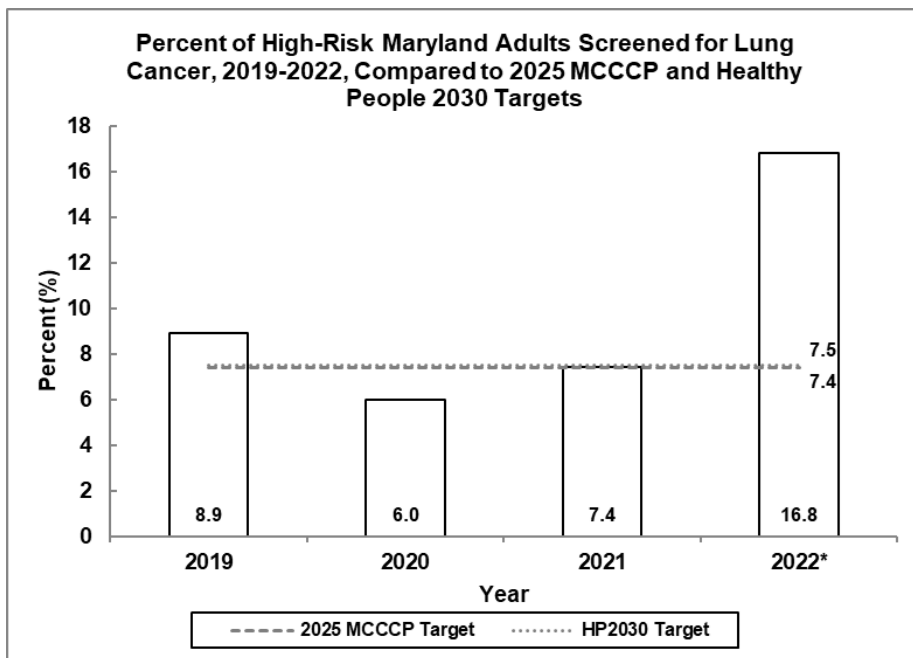


Source: Maryland Cancer Registry

Stage at Diagnosis by Race/Ethnicity

A higher proportion of lung cancer cases were diagnosed at the distant stage than at the local or regional stage for all racial groups. From 2018 to 2022, Asian/Pacific Islander Marylanders had the highest percent of lung cancer cases diagnosed at the distant stage at 47.4%

See Appendix J, Table 2.



Lung Cancer Screening

In 2022, Maryland met both the 7.5% 2025 MCCCCP and 7.4% Healthy People 2030 goals of high-risk adults screened for lung cancer, with 16.8% having been screened according the American Lung Association.

Source: American Lung Association, State of Lung Cancer Report, 2020, 2021, 2022, 2024
Healthy People 2030, U.S. Department of Health and Human Services
Maryland Comprehensive Cancer Control Plan, 2021-2025

*Previously reported to be 2.9% in the American Lung Association 2023 State of Lung Cancer Report using radiology data. In the 2024 State of Lung Cancer Report, the American Lung Association updated their data source to be 2022 BRFSS data, and the 2022 lung cancer screening rate to be 16.8%. This rate cannot be compared to previous year's reported data in graph (2019-2021).

Table 11
Number of Cases for Lung and Bronchus Cancer by Jurisdiction, Gender, and
Race/Ethnicity, Maryland, 2022

Jurisdiction	Total	Gender		Race/Ethnicity				
		Male	Female	White	Black	Hispanic	API	AIAN
Maryland	3,749	1,733	2,015	2,523	1,010	69	118	14
Allegany	69	31	38	65	<6	<6	0	0
Anne Arundel	384	171	213	313	55	8	s	<6
Baltimore City	460	184	276	122	324	<6	<6	<6
Baltimore	646	285	361	497	127	<6	10	<6
Calvert	70	27	43	62	6	0	<6	0
Caroline	34	18	16	27	7	0	0	0
Carroll	134	65	69	127	<6	0	<6	0
Cecil	92	49	43	85	s	0	0	<6
Charles	93	46	47	56	35	0	0	<6
Dorchester	27	11	16	22	<6	0	0	0
Frederick	163	75	88	144	15	<6	0	0
Garrett	18	7	11	18	0	0	0	0
Harford	210	101	109	180	19	<6	<6	<6
Howard	136	64	72	99	18	<6	16	0
Kent	22	11	11	19	<6	0	0	0
Montgomery	372	182	189	224	70	20	53	<6
Prince George's	376	184	192	80	260	18	16	<6
Queen Anne's	35	19	16	33	<6	0	0	0
St. Mary's	75	37	38	61	s	0	<6	0
Somerset	19	<6	14	11	8	0	0	0
Talbot	39	18	21	37	<6	0	0	0
Washington	132	72	60	123	s	<6	0	0
Wicomico	82	41	41	67	11	<6	<6	0
Worcester	50	24	26	45	<6	0	0	0

Total includes cases reported as transsexual, hermaphrodite, unknown gender, unknown race/ethnicity, and unknown jurisdiction

<6 = Case counts of 1-5 are suppressed per MDH/MCR Data Use Policy

s = Case counts are suppressed to prevent disclosure of data in other cell(s) (See Appendix A for methods)

All race counts, except Hispanic, are non-Hispanic/Latino

Source: Maryland Cancer Registry, SEER*Stat Static data as of January 29, 2025

Table 12
Lung and Bronchus Cancer Age-Adjusted Incidence Rates* by Jurisdiction, Gender, and Race/Ethnicity, Maryland, 2022

Jurisdiction	Total	Gender		Race/Ethnicity				
		Male	Female	White	Black	Hispanic	API	AIAN
Maryland	45.8	48.0	44.4	50.6	44.9	18.4	23.2	**
Allegany	67.8	65.3	69.6	67.5	**	**	0.0	0.0
Anne Arundel	51.0	49.9	52.3	52.9	53.2	**	**	**
Baltimore City	64.5	62.2	67.1	58.7	68.8	**	**	**
Baltimore	53.9	54.7	54.0	61.5	43.6	**	**	**
Calvert	53.8	45.0	61.3	57.4	**	0.0	**	0.0
Caroline	73.7	79.7	69.6	69.6	**	0.0	0.0	0.0
Carroll	53.7	58.4	49.8	54.1	**	0.0	**	0.0
Cecil	63.3	72.3	55.4	65.0	**	0.0	0.0	**
Charles	49.4	58.9	43.2	61.1	42.5	0.0	0.0	**
Dorchester	44.0	**	48.0	47.6	**	0.0	0.0	0.0
Frederick	45.7	47.1	44.9	48.0	**	**	0.0	0.0
Garrett	35.1	**	**	35.8	0.0	0.0	0.0	0.0
Harford	57.6	64.0	53.8	58.5	51.8	**	**	**
Howard	34.2	36.8	33.2	39.2	25.7	**	24.8	0.0
Kent	56.5	**	**	58.5	**	0.0	0.0	0.0
Montgomery	26.5	28.8	24.2	28.7	32.1	12.8	22.7	**
Prince George's	33.4	39.9	29.1	40.7	33.6	26.5	29.5	**
Queen Anne's	43.9	50.8	39.2	44.0	**	0.0	0.0	0.0
St. Mary's	54.1	56.0	53.5	55.3	**	0.0	**	0.0
Somerset	54.3	**	**	**	**	0.0	0.0	0.0
Talbot	49.8	45.3	54.6	55.9	**	0.0	0.0	0.0
Washington	57.9	66.8	49.0	59.6	**	**	0.0	0.0
Wicomico	59.8	67.8	54.1	68.4	**	**	**	0.0
Worcester	42.2	43.9	40.0	42.8	**	0.0	0.0	0.0

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

** Rates based on case counts of 1-15 are suppressed per MDH/MCR Data Use Policy and Procedures

All race rates, except Hispanic, are non-Hispanic/Latino

Source: Maryland Cancer Registry, SEER*Stat Static data as of January 29, 2025

Table 13
Number of Deaths for Lung and Bronchus Cancer by Jurisdiction, Gender, and
Race/Ethnicity, Maryland, 2022

Jurisdiction	Total	Gender		Race/Ethnicity				
		Male	Female	White	Black	Hispanic	API	AIAN
Maryland	2,184	1,089	1,095	1,495	572	36	75	<6
Allegany	32	17	15	31	<6	<6	<6	<6
Anne Arundel	206	92	114	170	28	<6	s	<6
Baltimore City	291	139	152	89	193	<6	<6	<6
Baltimore	350	166	184	262	71	<6	11	<6
Calvert	44	25	19	39	<6	<6	<6	<6
Caroline	25	14	11	22	<6	<6	<6	<6
Carroll	86	44	42	83	<6	<6	<6	<6
Cecil	63	33	30	60	<6	<6	<6	<6
Charles	62	38	24	37	22	<6	<6	<6
Dorchester	20	9	11	16	<6	<6	<6	<6
Frederick	90	50	40	78	9	<6	<6	<6
Garrett	9	<6	6	s	<6	<6	<6	<6
Harford	113	61	52	101	9	<6	<6	<6
Howard	74	39	35	52	10	<6	9	<6
Kent	7	6	<6	s	<6	<6	<6	<6
Montgomery	208	95	113	139	30	14	24	<6
Prince George's	223	122	101	57	151	6	8	<6
Queen Anne's	20	10	10	18	<6	<6	<6	<6
St. Mary's	44	20	24	37	6	<6	<6	<6
Somerset	21	10	11	13	s	<6	<6	<6
Talbot	25	<6	21	22	<6	<6	<6	<6
Washington	86	45	41	81	<6	<6	<6	<6
Wicomico	54	30	24	43	s	<6	<6	<6
Worcester	31	17	14	29	<6	<6	<6	<6

Total includes deaths reported as unknown race/ethnicity

<6 = Death counts of 0-5 are suppressed per MDH/CCPC Mortality Data Suppression Policy

s = Death counts are suppressed to prevent disclosure of data in other cell(s) (See Appendix A for methods)

All race counts, except Hispanic, are non-Hispanic/Latino

Source: Maryland Department of Health Vital Statistics Administration

Table 14
Lung and Bronchus Cancer Age-Adjusted Mortality Rates* by Jurisdiction, Gender, and Race/Ethnicity, Maryland, 2022

Jurisdiction	Total	Gender		Race/Ethnicity				
		Male	Female	White	Black	Hispanic	API	AIAN
Maryland	26.9	31.3	23.9	29.7	26.4	10.3	14.9	**
Allegany	31.4	**	**	32.2	**	**	**	**
Anne Arundel	27.7	28.4	27.6	28.7	27.4	**	**	**
Baltimore City	41.1	46.5	36.9	40.8	42.6	**	**	**
Baltimore	29.1	33.3	26.7	31.4	25.5	**	**	**
Calvert	34.9	46.6	**	37.7	**	**	**	**
Caroline	53.8	**	**	57.0	**	**	**	**
Carroll	34.5	39.4	30.1	35.5	**	**	**	**
Cecil	45.5	54.0	38.7	48.1	**	**	**	**
Charles	32.8	48.5	22.0	38.2	29.9	**	**	**
Dorchester	35.3	**	**	**	**	**	**	**
Frederick	25.8	32.5	20.6	26.6	**	**	**	**
Garrett	**	**	**	**	**	**	**	**
Harford	31.5	39.7	25.6	32.8	**	**	**	**
Howard	19.2	23.2	16.4	21.6	**	**	**	**
Kent	**	**	**	**	**	**	**	**
Montgomery	14.6	15.9	13.7	17.0	14.0	**	10.3	**
Prince George's	20.4	28.0	15.5	27.9	19.9	**	**	**
Queen Anne's	25.0	**	**	**	**	**	**	**
St. Mary's	32.4	30.0	34.3	33.8	**	**	**	**
Somerset	60.6	**	**	**	**	**	**	**
Talbot	27.9	**	41.7	27.8	**	**	**	**
Washington	38.7	46.1	33.9	39.8	**	**	**	**
Wicomico	39.5	48.6	32.5	43.3	**	**	**	**
Worcester	28.4	**	**	30.7	**	**	**	**

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

** Rates based on death counts of 0-19 are suppressed per MDH/CCPC Mortality Data Suppression Policy

All race rates, except Hispanic, are non-Hispanic/Latino

Source: Maryland Department of Health Vital Statistics Administration

Table 15
Number of Cases for Lung and Bronchus Cancer by Jurisdiction, Gender, and
Race/Ethnicity, Maryland, 2018-2022

Jurisdiction	Total	Gender		Race/Ethnicity				
		Male	Female	White	Black	Hispanic	API	AIAN
Maryland	18,614	8,818	9,792	12,768	4,843	321	578	35
Allegany	363	199	164	346	s	<6	0	0
Anne Arundel	1,879	861	1,018	1,583	232	24	32	<6
Baltimore City	2,413	1,134	1,279	738	1,621	19	20	6
Baltimore	3,301	1,494	1,805	2,539	659	31	58	<6
Calvert	356	160	196	322	28	<6	<6	0
Caroline	139	73	66	115	22	<6	0	0
Carroll	644	339	305	618	15	<6	7	0
Cecil	450	235	215	430	17	0	<6	<6
Charles	444	228	215	278	149	<6	11	<6
Dorchester	153	78	75	115	s	0	<6	0
Frederick	733	327	406	651	49	22	9	<6
Garrett	88	47	41	88	0	0	0	0
Harford	1,000	476	524	881	89	9	19	<6
Howard	602	281	321	434	86	10	65	<6
Kent	102	48	54	88	s	0	<6	0
Montgomery	1,844	849	994	1,149	279	122	269	<6
Prince George's	1,871	857	1,014	484	1,248	57	64	6
Queen Anne's	164	83	81	153	11	0	0	0
St. Mary's	367	186	181	309	47	<6	7	0
Somerset	121	59	62	77	41	<6	<6	0
Talbot	189	84	105	165	20	0	<6	0
Washington	627	331	296	580	41	<6	<6	0
Wicomico	443	229	214	349	84	6	<6	0
Worcester	276	136	140	244	29	<6	0	0

Total includes cases reported as transsexual, hermaphrodite, unknown gender, unknown race/ethnicity, and unknown jurisdiction

<6 = Case counts of 1-5 are suppressed per MDH/MCR Data Use Policy

s = Case counts are suppressed to prevent disclosure of data in other cell(s) (See Appendix A for methods)

All race counts, except Hispanic, are non-Hispanic/Latino

Source: Maryland Cancer Registry, SEER*Stat Static data as of January 29, 2025

Table 16
Lung and Bronchus Cancer Age-Adjusted Incidence Rates* by Jurisdiction, Gender, and Race/Ethnicity, Maryland, 2018-2022

Jurisdiction	Total	Gender		Race/Ethnicity				
		Male	Female	White	Black	Hispanic	API	AIAN
Maryland	47.4	51.1	44.9	52.2	45.8	18.3	24.6	29.4
Allegany	66.9	79.0	56.7	67.6	**	**	0.0	0.0
Anne Arundel	52.0	53.3	51.5	54.8	47.7	24.4	26.3	**
Baltimore City	68.5	78.4	62.2	71.1	70.3	23.3	31.3	**
Baltimore	57.0	59.8	55.5	62.0	50.1	26.0	22.1	**
Calvert	59.2	59.3	60.1	65.7	34.3	**	**	0.0
Caroline	61.0	69.0	56.3	60.7	78.0	**	0.0	0.0
Carroll	53.8	63.0	46.6	55.0	**	**	**	0.0
Cecil	64.4	72.3	58.3	67.8	39.1	0.0	**	**
Charles	48.9	59.3	41.2	57.7	41.1	**	**	**
Dorchester	56.4	63.0	50.9	56.9	59.9	0.0	**	0.0
Frederick	44.3	44.2	45.1	45.8	44.1	34.9	**	**
Garrett	33.5	35.4	31.3	34.4	0.0	0.0	0.0	0.0
Harford	57.6	62.3	54.1	59.3	53.1	**	42.2	**
Howard	31.9	33.5	30.9	35.4	28.1	**	22.3	**
Kent	54.8	57.6	52.2	55.9	**	0.0	**	0.0
Montgomery	27.2	28.3	26.4	29.4	27.9	16.4	24.9	**
Prince George's	35.4	39.3	33.2	48.3	33.8	14.3	24.3	**
Queen Anne's	42.1	44.9	40.0	44.2	**	0.0	0.0	0.0
St. Mary's	56.0	58.2	54.0	59.1	54.2	**	**	0.0
Somerset	70.7	71.2	70.7	61.3	104.3	**	**	0.0
Talbot	49.9	46.8	52.8	50.6	52.4	0.0	**	0.0
Washington	58.3	66.9	51.0	58.9	73.4	**	**	0.0
Wicomico	67.4	78.0	59.6	73.0	60.8	**	**	0.0
Worcester	50.1	52.6	48.5	50.9	56.3	**	0.0	0.0

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

** Rates based on case counts of 1-15 are suppressed per MDH/MCR Data Use Policy and Procedures

All race rates, except Hispanic, are non-Hispanic/Latino

Source: Maryland Cancer Registry, SEER*Stat Static data as of January 29, 2025

Table 17
Number of Deaths for Lung and Bronchus Cancer by Jurisdiction, Gender, and Race/Ethnicity, Maryland, 2018-2022

Jurisdiction	Total	Gender		Race/Ethnicity				
		Male	Female	White	Black	Hispanic	API	AIAN
Maryland	11,567	5,863	5,704	7,950	3,065	138	376	28
Allegany	196	111	85	191	<6	<6	<6	<6
Anne Arundel	1,124	563	561	968	127	<6	22	<6
Baltimore City	1,532	776	756	454	1,041	11	20	<6
Baltimore	1,993	967	1,026	1,516	418	13	39	7
Calvert	222	104	118	199	19	<6	<6	<6
Caroline	108	61	47	92	15	<6	<6	<6
Carroll	415	226	189	402	8	<6	<6	<6
Cecil	313	180	133	299	9	<6	<6	<6
Charles	293	155	138	185	94	<6	8	<6
Dorchester	114	63	51	83	30	<6	<6	<6
Frederick	423	214	209	371	33	<6	14	<6
Garrett	61	32	29	s	<6	<6	<6	<6
Harford	591	314	277	522	55	<6	13	<6
Howard	365	187	178	274	48	6	36	<6
Kent	62	32	30	52	9	<6	<6	<6
Montgomery	1,140	535	605	755	158	61	162	<6
Prince George's	1,201	617	584	312	816	27	42	<6
Queen Anne's	105	54	51	99	6	<6	<6	<6
St. Mary's	236	120	116	196	33	<6	6	<6
Somerset	91	44	47	63	27	<6	<6	<6
Talbot	121	47	74	105	14	<6	<6	<6
Washington	396	215	181	369	25	<6	<6	<6
Wicomico	279	150	129	217	59	<6	<6	<6
Worcester	186	96	90	165	17	<6	<6	<6

Total includes deaths reported as unknown race/ethnicity

<6 = Death counts of 0-5 are suppressed per MDH/CCPC Mortality Data Suppression Policy

s = Death counts are suppressed to prevent disclosure of data in other cell(s) (See Appendix A for methods)

All race counts, except Hispanic, are non-Hispanic/Latino

Source: Maryland Department of Health Vital Statistics Administration

Table 18
Lung and Bronchus Cancer Age-Adjusted Mortality Rates* by Jurisdiction, Gender, and Race/Ethnicity, Maryland, 2018-2022

Jurisdiction	Total	Gender		Race/Ethnicity				
		Male	Female	White	Black	Hispanic	API	AIAN
Maryland	29.9	35.1	26.1	32.6	30.0	8.3	16.5	22.9
Allegany	36.4	44.9	29.1	37.7	**	**	**	**
Anne Arundel	31.9	36.4	28.8	34.2	26.6	**	17.4	**
Baltimore City	44.2	55.2	36.9	44.1	46.2	**	33.2	**
Baltimore	34.6	39.7	31.2	36.7	33.0	**	15.5	**
Calvert	37.5	40.8	35.6	41.2	**	**	**	**
Caroline	48.5	62.1	39.5	49.4	**	**	**	**
Carroll	35.5	44.1	28.6	36.6	**	**	**	**
Cecil	46.7	58.7	36.5	49.0	**	**	**	**
Charles	33.3	41.5	27.6	38.4	28.8	**	**	**
Dorchester	43.6	52.8	36.4	43.7	48.0	**	**	**
Frederick	26.1	29.7	23.4	26.6	30.6	**	**	**
Garrett	24.2	25.0	21.9	24.9	**	**	**	**
Harford	35.0	43.0	28.9	35.9	34.4	**	**	**
Howard	20.0	23.1	17.5	22.9	17.2	**	12.7	**
Kent	31.9	37.6	27.9	31.6	**	**	**	**
Montgomery	16.8	18.4	15.4	18.8	16.6	8.8	15.2	**
Prince George's	23.4	29.2	19.6	29.6	22.8	6.2	16.2	**
Queen Anne's	27.4	29.8	25.3	29.1	**	**	**	**
St. Mary's	36.7	38.3	35.3	38.1	39.8	**	**	**
Somerset	53.5	55.8	52.2	52.2	67.2	**	**	**
Talbot	30.3	24.8	34.7	30.5	**	**	**	**
Washington	37.1	44.9	30.9	37.2	44.9	**	**	**
Wicomico	42.7	51.7	35.6	44.9	43.9	**	**	**
Worcester	33.5	38.2	29.5	33.9	**	**	**	**

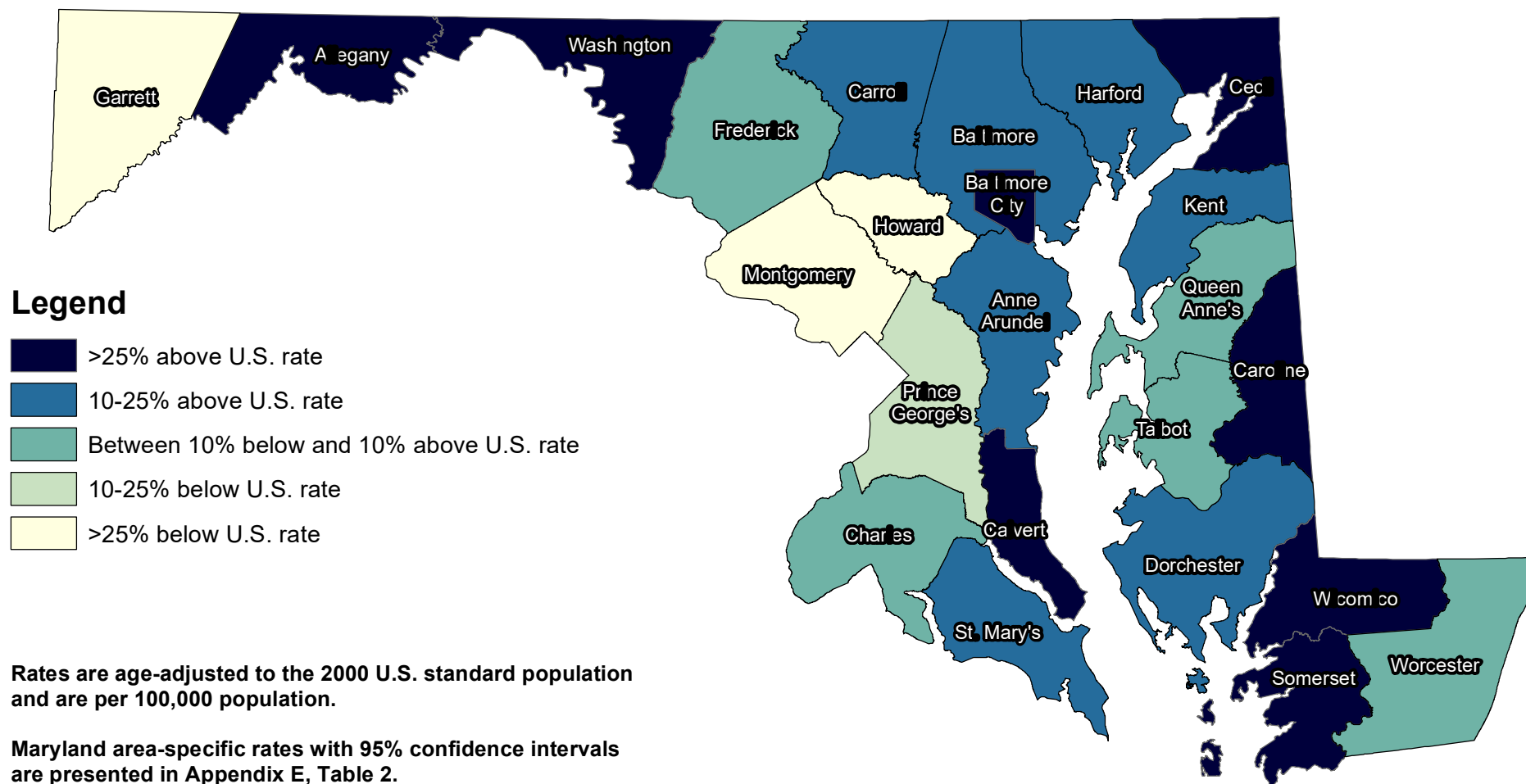
* Rates are per 100,000 population and age-adjusted to 2000 U.S. standard population

** Rates based on death counts of 0-19 are suppressed per MDH/CCPC Mortality Data Suppression Policy

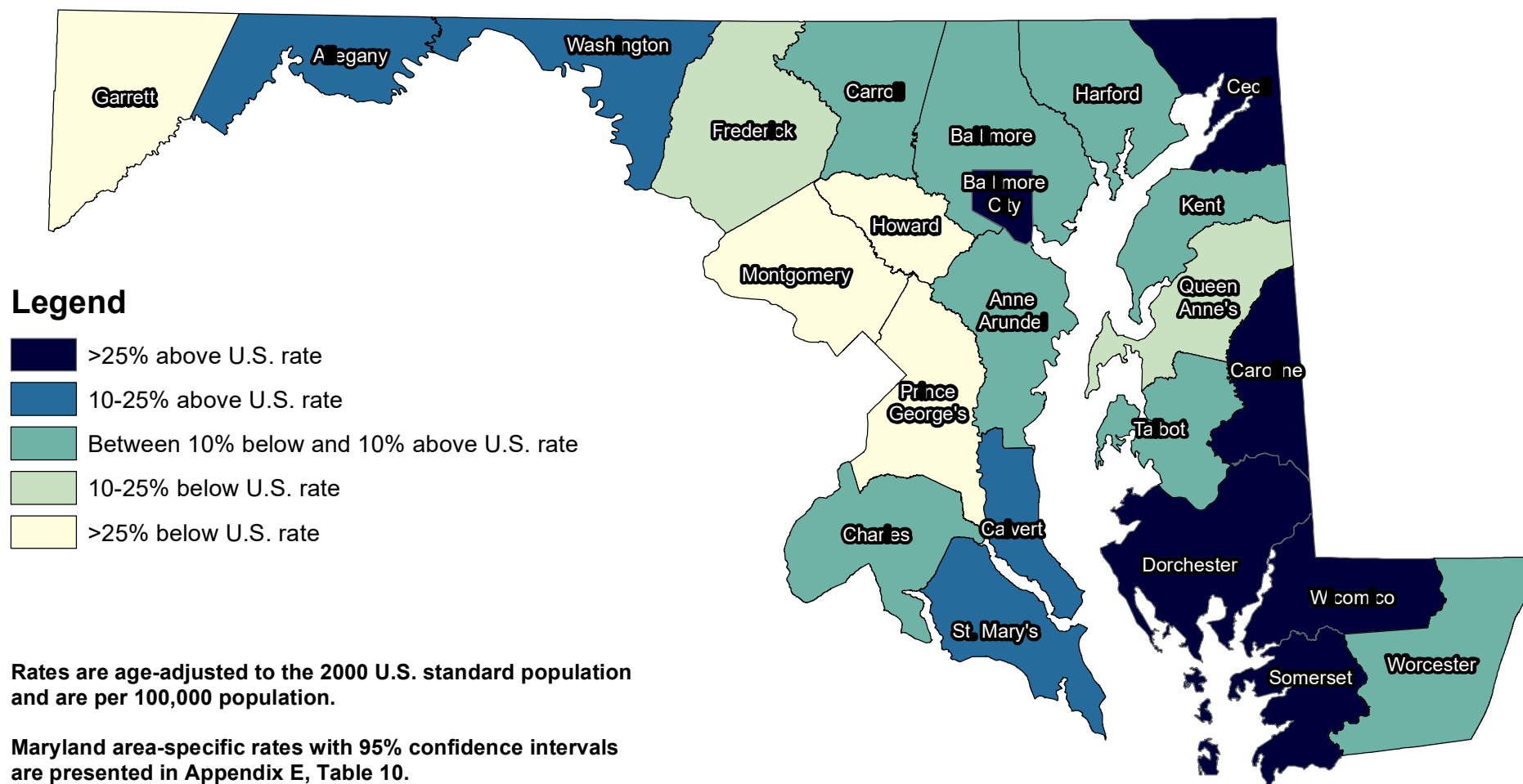
All race rates, except Hispanic, are non-Hispanic/Latino

Source: Maryland Department of Health Vital Statistics Administration

Maryland Lung Cancer Incidence Rates by Geographical Area: Comparison to U.S. Rate, 2018-2022



Maryland Lung Cancer Mortality Rates by Geographical Area: Comparison to U.S. Rate, 2018-2022



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B. Colorectal Cancer

Incidence (New Cases)

In 2022, there were 2,532 new cases of cancer of the colon or rectum (collectively called colorectal cancer) reported among Maryland residents. The age-adjusted colorectal cancer incidence rate in Maryland for 2022 was 33.6 per 100,000 population, which is statistically significantly lower than the 2022 U.S. SEER age-adjusted colorectal cancer incidence rate of 37.2 per 100,000 population.

Colorectal cancer incidence rates in 2022 were highest among White and Black Marylanders, at 34.6 per 100,000 and 35.5 per 100,000 respectively; these rates are statistically similar to each other but higher than the colorectal cancer incidence rate for Hispanic and Asian/Pacific Islander Marylanders. The 2022 colorectal cancer incidence rate for American Indian/Alaska Native Marylanders is not reportable. For Maryland and U.S. 2022 incidence rates and 95% confidence intervals by race and ethnicity, see Appendix I, Table 1.

Mortality (Deaths)

A total of 924 persons died of colorectal cancer in 2022 in Maryland. In 2022, colorectal cancer accounted for 8.5% of all cancer deaths and was the second leading cause of cancer death in Maryland. The age-adjusted colorectal cancer mortality rate in Maryland was 11.7 per 100,000 population. This rate is similar to the 2022 U.S. colorectal cancer mortality rate of 12.6 per 100,000 population. Maryland had the 38th highest colorectal cancer mortality rate among the states and the District of Columbia in 2022.

Colorectal cancer mortality rates in 2022 were highest among White and Black Marylanders, at 12.1 per 100,000 and 12.5 per 100,000 respectively; these rates are statistically similar but higher than the colorectal cancer mortality rates for Hispanic and Asian/Pacific Islander Marylanders. The colorectal cancer mortality rate for American Indian/Alaska Native Marylanders is not reportable. For Maryland and U.S. 2022 mortality rates and 95% confidence intervals by race and ethnicity, see Appendix I, Table 2.

Table 19
Colorectal Cancer Incidence and Mortality Rates
by Gender and Race/Ethnicity, Maryland and the United States, 2022

<i>Incidence 2022</i>	<i>Total*</i>	<i>Male</i>	<i>Female</i>	<i>White</i>	<i>Black</i>	<i>Hispanic</i>	<i>API</i>	<i>AIAN</i>
MD New Cases (count)	2,532	1,298	1,231	1,499	766	116	132	<6
MD Incidence Rate	33.6	37.4	30.4	34.6	35.5	23.7	25.7	**
U.S. SEER Rate	37.2	41.7	33.2	37.9	42.3	33.5	31.2	43.2
<i>Mortality 2022</i>	<i>Total*</i>	<i>Male</i>	<i>Female</i>	<i>White</i>	<i>Black</i>	<i>Hispanic</i>	<i>API</i>	<i>AIAN</i>
MD Deaths (count)	924	465	459	573	271	26	53	<6
MD Mortality Rate	11.7	13.4	10.5	12.1	12.5	6.0	10.2	**
U.S. Mortality Rate	12.6	15.0	10.6	12.7	16.0	10.6	9.1	13.3

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

All race rates and counts, except Hispanic, are non-Hispanic/Latino

* Total also includes cases or deaths reported as transsexual, hermaphrodite, unknown gender, unknown race/ethnicity, and unknown jurisdiction

<6 = Death counts of 0-5 are suppressed per MDH/CCPC Mortality Data Suppression Policy, Case counts of 1-5 are suppressed per MDH/MCR Data Use Policy

** MD incidence rates based on case counts of 1-15 are suppressed per MDH/MCR Data Use Policy and Procedures; MD mortality rates based on death counts of 0-19 are suppressed per MDH/CCPC Mortality Data Suppression Policy

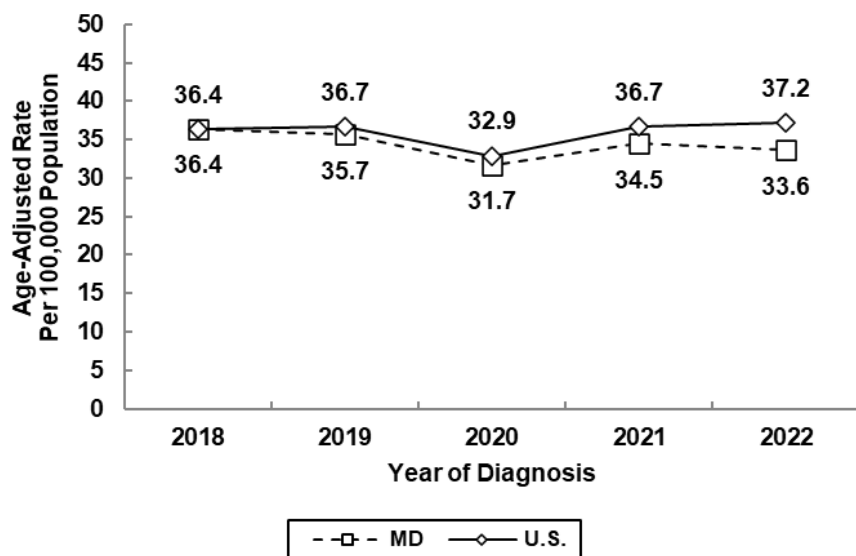
Source: Maryland Cancer Registry

U.S. SEER, SEER*Stat

Maryland Department of Health Vital Statistics Administration

U.S. SEER, Cancer Statistics Review

**Colorectal Cancer Incidence by Year of Diagnosis,
Maryland and U.S., 2018-2022**



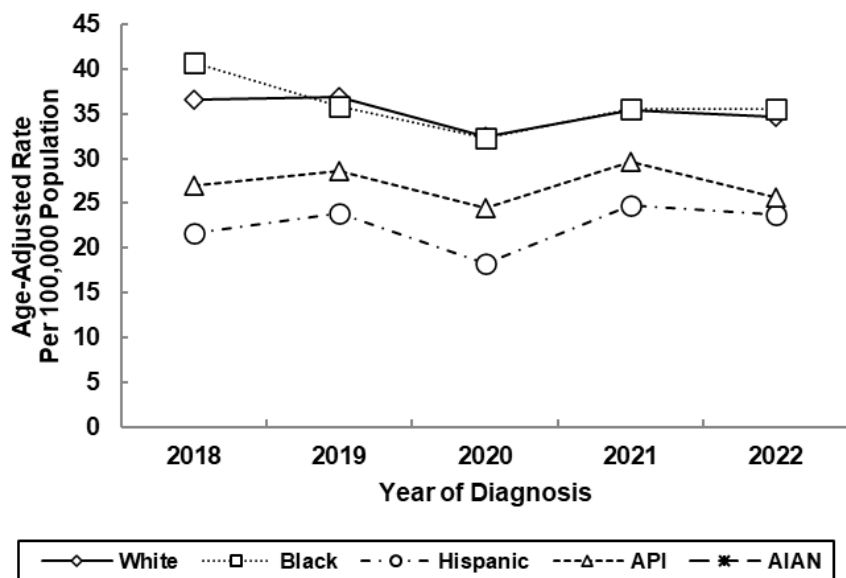
Source: Maryland Cancer Registry
U.S. SEER, SEER*Stat

Maryland vs. U.S., Incidence Rates

Colorectal cancer incidence rates decreased in Maryland at a rate of 1.9% per year, and increased in the U.S. at a rate of 0.4% per year from 2018 to 2022.

See Appendix F, Table 1.

**Colorectal Cancer Incidence by Race/Ethnicity
Maryland, 2018-2022**



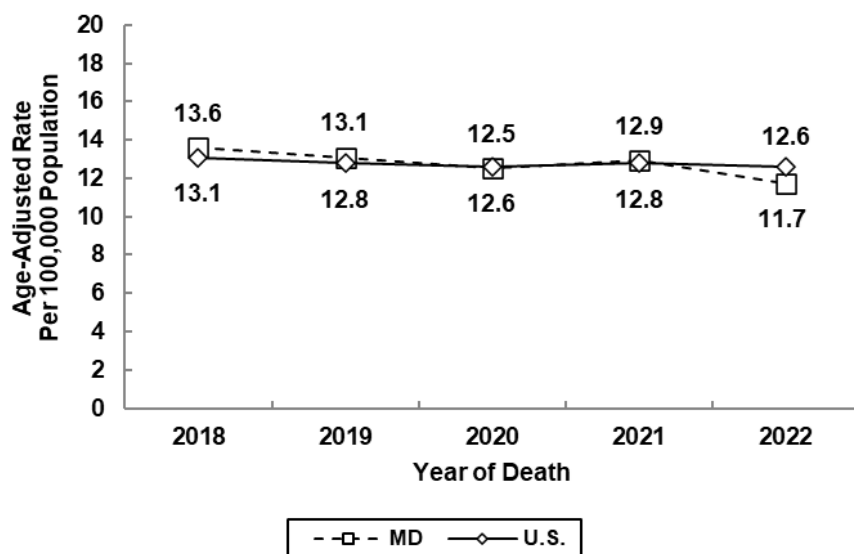
Source: Maryland Cancer Registry

Incidence Trends by Race/Ethnicity

From 2018 to 2022, the colorectal cancer incidence rates were lower among Hispanic and Asian/Pacific Islander individuals compared to White and Black individuals in Maryland. From 2018 to 2022, colorectal cancer incidence rates decreased at a rate of 1.5% per year among White Marylanders, 2.8% per year among Black Marylanders, and 0.6% per year among Asian/Pacific Islander Marylanders. It increased 2.2% per year among Hispanic Marylanders. Colorectal cancer incidence rates for American Indian/Alaska Native Marylanders were suppressed from 2018 to 2022.

See Appendix F, Table 3.

**Colorectal Cancer Mortality by Year of Death,
Maryland and U.S., 2018-2022**



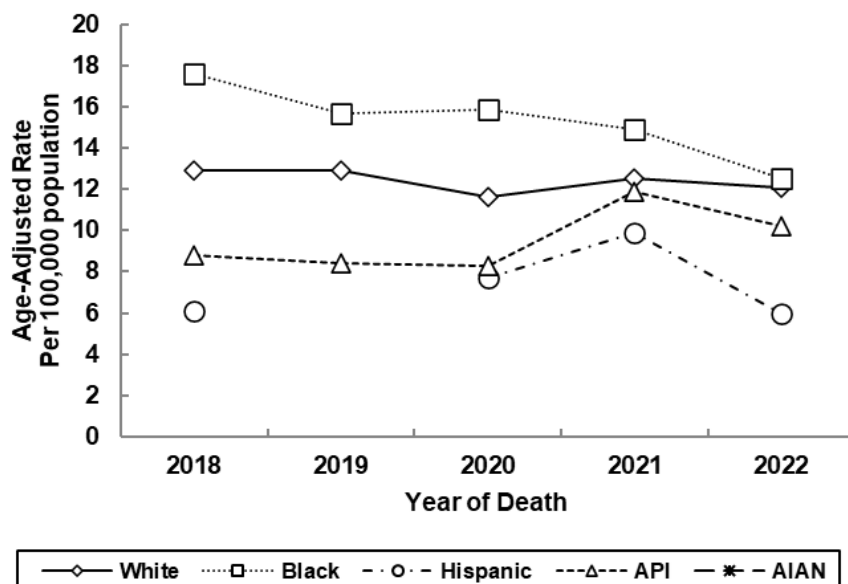
Source: Maryland Department of Health Vital Statistics Administration, 2021-2022 (MD)
NCHS Underlying Cause of Death in CDC WONDER, 2018-2020
SEER Mortality All Cause of Death Data (U.S.)

Maryland vs. U.S., Mortality Rates

Mortality rates for colorectal cancer decreased 3.1% per year in Maryland and 0.8% per year in the U.S from 2018 to 2022.

See Appendix F, Table 2.

**Colorectal Cancer Mortality by Race/Ethnicity
Maryland, 2018-2022**

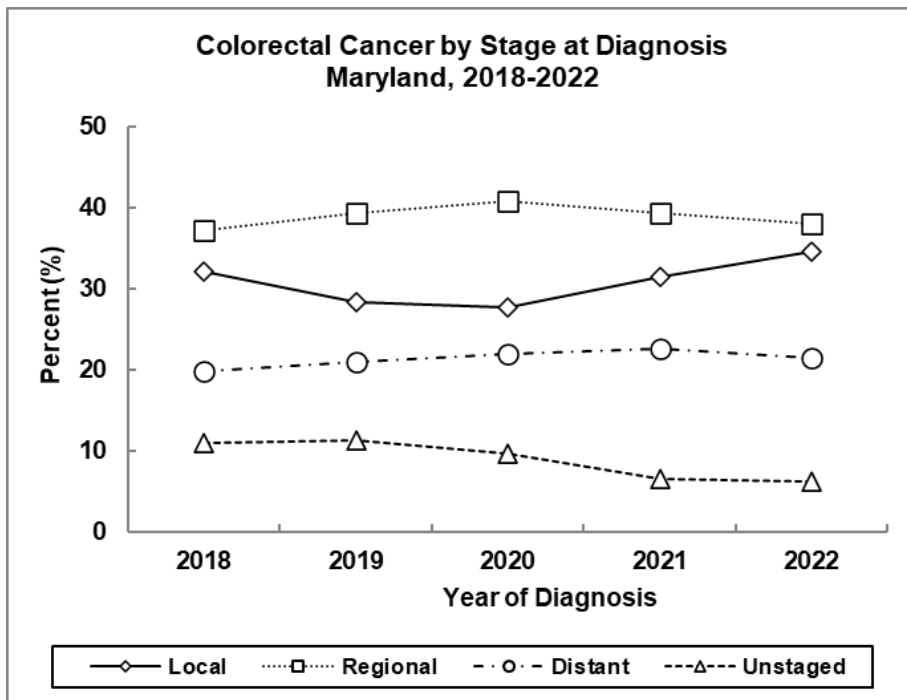


Source: Maryland Department of Health Vital Statistics Administration

Mortality Trends by Race/Ethnicity

From 2018 to 2022, Black Marylanders had consistently higher colorectal cancer mortality rates than all other groups. However, both Black and White Marylanders' colorectal cancer mortality rates decreased, at a rate of 7.1% per year and 1.6% per year, respectively. The mortality rates for colorectal cancer increased 6.6% per year among Asian/Pacific Islander Marylanders in the same time frame. The mortality rates for American Indian/Alaska Native Marylanders from 2018 to 2022 and for Hispanic Marylanders in 2019 were suppressed.

See Appendix F, Table 5.

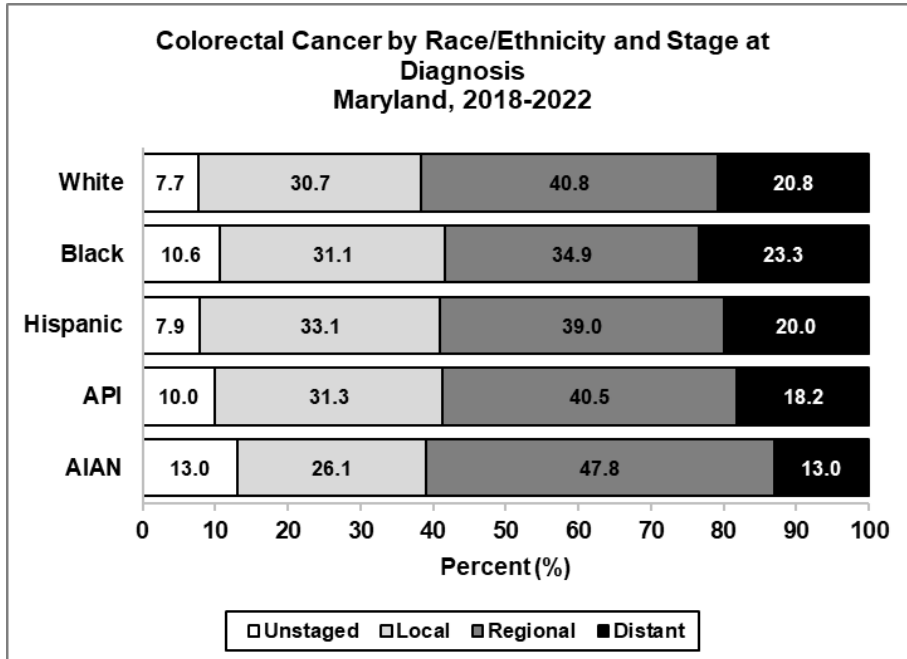


Source: Maryland Cancer Registry

Stage at Diagnosis

In 2022, 34.6% of colorectal cancers diagnosed in Maryland were detected at the local stage, 38.0% at the regional stage, and 21.4% at the distant stage. In 2022, 6.1% of colorectal cancers diagnosed were reported as unstaged. The proportion of colorectal cancers reported as unstaged decreased 15.7% per year from 2018 to 2022.

See Appendix G, Table 3.



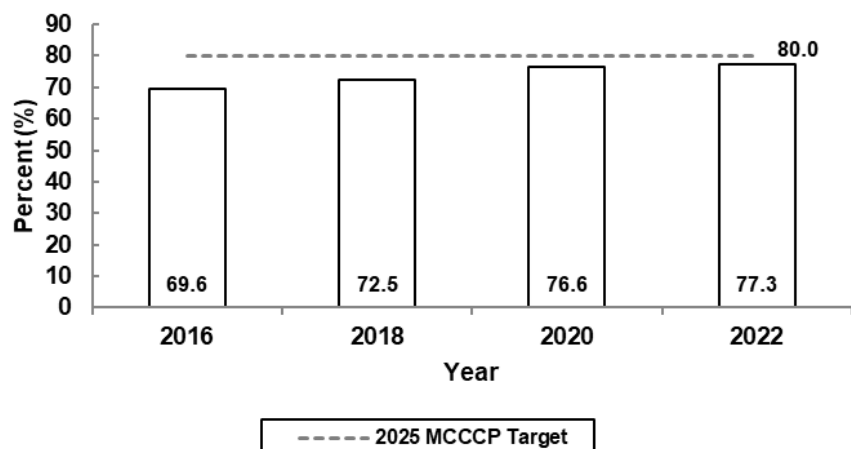
Source: Maryland Cancer Registry

Stage at Diagnosis by Race/Ethnicity

From 2018 to 2022, a higher proportion of colorectal cancer cases were diagnosed at the regional stage than at the local or distant stage for all racial groups. A higher proportion of Black Marylanders were diagnosed with colorectal cancer at the distant stage compared to other groups and Maryland overall.

See Appendix J, Table 3.

Percentage of Maryland Adults Ages 50 Years and Older Who Had a Fecal Occult Blood Test within 1 Year, a Sigmoidoscopy within 5 Years, or a Colonoscopy within 10 Years, 2016-2022, Compared to 2025 MCCCCP Target



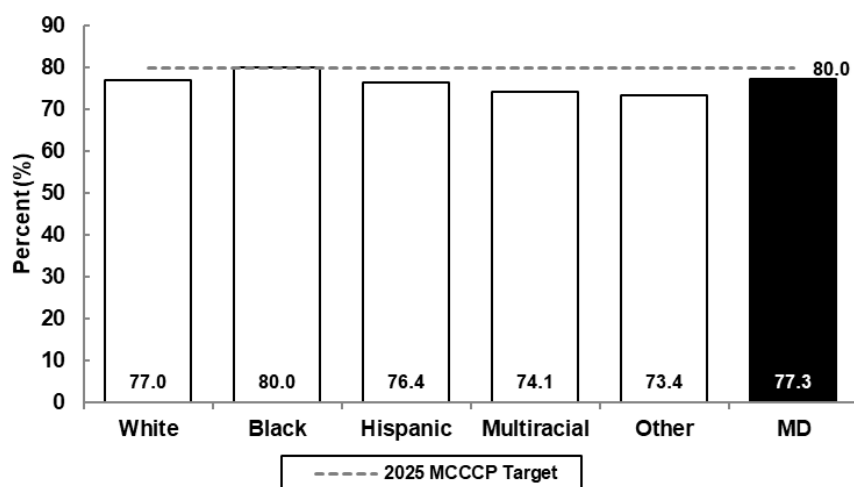
Source: Maryland Behavioral Risk Factor Surveillance System, 2016, 2018, 2020, 2022
Maryland Comprehensive Cancer Control Plan, 2021-2025

Up-to-Date Screening for Colorectal Cancer

The 2025 MCCCCP target for colorectal cancer screening aims to increase the proportion of adults age 50 years and older who are up-to-date on their colorectal cancer screening. The percent of Maryland adults ages 50 years and older who were up-to-date for colorectal cancer screening in 2022 (77.3%) is just shy of the 2025 MCCCCP target of 80.0%.

In May of 2021, USPSTF lowered the recommended age for colorectal cancer screening from 50 years and older to 45 years and older.

Percentage of Maryland Adults Ages 50 Years and Older Who Had a Fecal Occult Blood Test within 1 Year, a Sigmoidoscopy within 5 Years, or a Colonoscopy within 10 Years, 2022, Compared to 2025 MCCCCP Target



Source: Maryland Behavioral Risk Factor Surveillance System, 2022
Maryland Comprehensive Cancer Control Plan, 2021-2025

Up-to-Date Screening for Colorectal Cancer by Race/Ethnicity

As of 2022, only Black Marylanders have met the 2025 MCCCCP target to increase the total percentage of Maryland adults aged 50 years and older who are up-to-date with their colorectal cancer screening to 80.0%.

Table 20
Number of Cases for Colorectal Cancer by Jurisdiction, Gender, and Race/Ethnicity,
Maryland, 2022

Jurisdiction	Total	Gender		Race/Ethnicity				
		Male	Female	White	Black	Hispanic	API	AIAN
Maryland	2,532	1,298	1,231	1,499	766	116	132	<6
Allegany	37	20	17	35	<6	0	0	0
Anne Arundel	261	141	120	195	41	11	12	0
Baltimore City	239	116	122	63	165	7	<6	<6
Baltimore	364	183	181	245	98	7	11	<6
Calvert	55	28	27	43	12	0	0	0
Caroline	14	7	7	10	<6	0	0	0
Carroll	77	38	39	71	<6	0	<6	0
Cecil	58	33	25	55	<6	0	0	0
Charles	54	27	27	24	28	0	<6	0
Dorchester	20	7	13	13	7	0	0	0
Frederick	103	64	39	83	11	6	<6	0
Garrett	15	12	<6	15	0	0	0	0
Harford	121	67	54	101	11	<6	<6	0
Howard	114	58	55	66	27	<6	16	0
Kent	15	6	9	13	<6	0	0	0
Montgomery	370	174	196	181	77	44	64	<6
Prince George's	342	162	179	63	241	26	9	0
Queen Anne's	17	8	9	14	<6	0	<6	0
St. Mary's	54	32	22	41	8	<6	<6	0
Somerset	13	8	<6	s	<6	0	0	0
Talbot	27	13	14	22	<6	0	0	0
Washington	78	44	34	69	<6	<6	<6	0
Wicomico	48	29	19	36	10	<6	<6	0
Worcester	30	19	11	25	<6	<6	0	0

Total includes cases reported as transsexual, hermaphrodite, unknown gender, unknown race/ethnicity, and unknown jurisdiction

<6 = Case counts of 1-5 are suppressed per MDH/MCR Data Use Policy

s = Case counts are suppressed to prevent disclosure of data in other cell(s) (See Appendix A for methods)

All race counts, except Hispanic, are non-Hispanic/Latino

Source: Maryland Cancer Registry, SEER*Stat Static data as of January 29, 2025

Table 21
Colorectal Cancer Age-Adjusted Incidence Rates* by Jurisdiction, Gender, and
Race/Ethnicity, Maryland, 2022

Jurisdiction	Total	Gender		Race/Ethnicity				
		Male	Female	White	Black	Hispanic	API	AIAN
Maryland	33.6	37.4	30.4	34.6	35.5	23.7	25.7	**
Allegany	41.1	47.9	31.2	41.1	**	0.0	0.0	0.0
Anne Arundel	37.0	42.7	32.6	36.6	36.8	**	**	0.0
Baltimore City	37.8	39.9	35.4	33.0	40.7	**	**	**
Baltimore	33.6	38.1	30.5	35.2	35.7	**	**	**
Calvert	49.0	54.8	42.1	48.5	**	0.0	0.0	0.0
Caroline	**	**	**	**	**	0.0	0.0	0.0
Carroll	35.4	35.9	36.3	36.3	**	0.0	**	0.0
Cecil	42.2	47.9	35.1	44.3	**	0.0	0.0	0.0
Charles	26.0	28.8	24.4	26.4	30.1	0.0	**	0.0
Dorchester	43.3	**	**	**	**	0.0	0.0	0.0
Frederick	31.4	41.1	22.6	32.4	**	**	**	0.0
Garrett	**	**	**	**	0.0	0.0	0.0	0.0
Harford	36.7	40.4	31.9	38.0	**	**	**	0.0
Howard	28.1	30.1	26.0	28.5	34.4	**	21.6	0.0
Kent	**	**	**	**	**	0.0	0.0	0.0
Montgomery	28.1	29.0	27.3	26.2	34.7	23.7	28.2	**
Prince George's	30.5	32.5	28.8	37.3	31.8	22.7	**	0.0
Queen Anne's	24.0	**	**	**	**	0.0	**	0.0
St. Mary's	40.6	48.5	34.1	39.1	**	**	**	0.0
Somerset	**	**	**	**	**	0.0	0.0	0.0
Talbot	52.8	**	**	54.7	**	0.0	0.0	0.0
Washington	39.2	45.8	34.2	39.4	**	**	**	0.0
Wicomico	38.7	55.3	24.6	40.0	**	**	**	0.0
Worcester	34.2	39.6	**	35.0	**	**	0.0	0.0

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

** Rates based on case counts of 1-15 are suppressed per MDH/MCR Data Use Policy and Procedures

All race rates, except Hispanic, are non-Hispanic/Latino

Source: Maryland Cancer Registry, SEER*Stat Static data as of January 29, 2025

Table 22
Number of Deaths for Colorectal Cancer by Jurisdiction, Gender, and Race/Ethnicity,
Maryland, 2022

Jurisdiction	Total	Gender		Race/Ethnicity				
		Male	Female	White	Black	Hispanic	API	AIAN
Maryland	924	465	459	573	271	26	53	<6
Allegany	13	7	6	11	<6	<6	<6	<6
Anne Arundel	87	43	44	70	12	<6	<6	<6
Baltimore City	74	44	30	23	49	<6	<6	<6
Baltimore	157	71	86	115	34	<6	<6	<6
Calvert	10	6	<6	9	<6	<6	<6	<6
Caroline	<6	<6	<6	<6	<6	<6	<6	<6
Carroll	36	16	20	35	<6	<6	<6	<6
Cecil	20	13	7	19	<6	<6	<6	<6
Charles	26	16	10	9	15	<6	<6	<6
Dorchester	12	<6	7	10	<6	<6	<6	<6
Frederick	31	21	10	24	<6	<6	<6	<6
Garrett	<6	<6	<6	<6	<6	<6	<6	<6
Harford	44	22	22	39	<6	<6	<6	<6
Howard	34	18	16	19	<6	<6	9	<6
Kent	<6	<6	<6	<6	<6	<6	<6	<6
Montgomery	152	72	80	93	25	s	23	<6
Prince George's	141	60	81	24	106	<6	6	<6
Queen Anne's	<6	<6	<6	<6	<6	<6	<6	<6
St. Mary's	16	9	7	10	<6	<6	<6	<6
Somerset	<6	<6	<6	<6	<6	<6	<6	<6
Talbot	<6	<6	<6	<6	<6	<6	<6	<6
Washington	28	13	15	24	<6	<6	<6	<6
Wicomico	12	8	<6	11	<6	<6	<6	<6
Worcester	9	<6	<6	6	<6	<6	<6	<6

Total includes deaths reported as unknown race/ethnicity

<6 = Death counts of 0-5 are suppressed per MDH/CCPC Mortality Data Suppression Policy

s = Death counts are suppressed to prevent disclosure of data in other cell(s) (See Appendix A for methods)

All race counts, except Hispanic, are non-Hispanic/Latino

Source: Maryland Department of Health Vital Statistics Administration

Table 23
Colorectal Cancer Age-Adjusted Mortality Rates* by Jurisdiction, Gender, and
Race/Ethnicity, Maryland, 2022

Jurisdiction	Total	Gender		Race/Ethnicity				
		Male	Female	White	Black	Hispanic	API	AIAN
Maryland	11.7	13.4	10.5	12.1	12.5	6.0	10.2	**
Allegany	**	**	**	**	**	**	**	**
Anne Arundel	12.5	13.6	11.7	13.1	**	**	**	**
Baltimore City	10.8	15.6	7.3	12.2	10.5	**	**	**
Baltimore	13.2	14.3	12.6	13.6	12.8	**	**	**
Calvert	**	**	**	**	**	**	**	**
Caroline	**	**	**	**	**	**	**	**
Carroll	15.8	**	14.6	16.7	**	**	**	**
Cecil	14.3	**	**	**	**	**	**	**
Charles	13.6	**	**	**	**	**	**	**
Dorchester	**	**	**	**	**	**	**	**
Frederick	9.0	13.1	**	9.0	**	**	**	**
Garrett	**	**	**	**	**	**	**	**
Harford	12.2	12.9	11.4	12.7	**	**	**	**
Howard	8.6	**	**	**	**	**	**	**
Kent	**	**	**	**	**	**	**	**
Montgomery	11.0	11.4	10.6	12.4	11.8	**	9.7	**
Prince George's	12.6	13.0	12.7	12.1	13.9	**	**	**
Queen Anne's	**	**	**	**	**	**	**	**
St. Mary's	**	**	**	**	**	**	**	**
Somerset	**	**	**	**	**	**	**	**
Talbot	**	**	**	**	**	**	**	**
Washington	13.0	**	**	12.7	**	**	**	**
Wicomico	**	**	**	**	**	**	**	**
Worcester	**	**	**	**	**	**	**	**

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

** Rates based on death counts of 0-19 are suppressed per MDH/CCPC Mortality Data Suppression Policy

All race rates, except Hispanic, are non-Hispanic/Latino

Source: Maryland Department of Health Vital Statistics Administration

Table 24
Number of Cases for Colorectal Cancer by Jurisdiction, Gender, and Race/Ethnicity,
Maryland, 2018-2022

Jurisdiction	Total	Gender		Race/Ethnicity				
		Male	Female	White	Black	Hispanic	API	AIAN
Maryland	12,603	6,360	6,239	7,652	3,704	495	649	23
Allegany	207	117	90	195	9	<6	<6	0
Anne Arundel	1,198	601	596	920	201	33	40	0
Baltimore City	1,233	598	634	371	814	27	14	<6
Baltimore	1,949	970	979	1,337	502	31	67	6
Calvert	193	102	91	158	33	0	<6	0
Caroline	82	36	46	67	13	<6	0	0
Carroll	413	211	202	388	15	<6	7	0
Cecil	242	135	107	229	10	0	<6	0
Charles	300	155	145	132	152	<6	11	0
Dorchester	114	57	57	80	28	0	0	<6
Frederick	504	277	227	417	49	23	13	0
Garrett	77	46	31	s	0	0	0	<6
Harford	634	316	318	532	75	12	12	<6
Howard	579	294	284	328	119	23	99	<6
Kent	55	32	23	44	s	0	0	<6
Montgomery	1,826	910	916	980	334	198	291	<6
Prince George's	1,696	821	874	333	1,157	120	63	6
Queen Anne's	119	50	69	107	8	0	<6	0
St. Mary's	236	126	110	185	37	<6	8	0
Somerset	55	34	21	40	13	<6	<6	0
Talbot	111	55	56	96	12	0	<6	0
Washington	356	184	172	310	34	6	6	0
Wicomico	227	130	97	167	53	<6	s	0
Worcester	155	83	72	136	16	<6	0	0

Total includes cases reported as transsexual, hermaphrodite, unknown gender, unknown race/ethnicity, and unknown jurisdiction

<6 = Case counts of 1-5 are suppressed per MDH/MCR Data Use Policy

s = Case counts are suppressed to prevent disclosure of data in other cell(s) (See Appendix A for methods)

All race counts, except Hispanic, are non-Hispanic/Latino

Source: Maryland Cancer Registry, SEER*Stat Static data as of January 29, 2025

Table 25
Colorectal Cancer Age-Adjusted Incidence Rates* by Jurisdiction, Gender, and
Race/Ethnicity, Maryland, 2018-2022

Jurisdiction	Total	Gender		Race/Ethnicity				
		Male	Female	White	Black	Hispanic	API	AIAN
Maryland	34.3	38.1	31.3	35.1	35.9	22.5	27.1	21.3
Allegany	43.7	52.1	35.8	44.1	**	**	**	0.0
Anne Arundel	35.3	37.9	33.0	35.3	38.6	23.5	28.9	0.0
Baltimore City	37.5	42.0	34.3	38.1	38.2	24.9	**	**
Baltimore	36.8	41.7	33.2	37.4	38.8	21.1	23.8	**
Calvert	34.6	39.0	31.0	35.0	46.4	0.0	**	0.0
Caroline	38.9	36.0	42.4	39.3	**	**	0.0	0.0
Carroll	37.3	41.1	33.9	37.8	**	**	**	0.0
Cecil	37.2	41.6	32.5	38.8	**	0.0	**	0.0
Charles	32.0	35.3	29.0	28.8	37.2	**	**	0.0
Dorchester	52.3	57.7	47.0	47.9	56.8	0.0	0.0	**
Frederick	32.2	37.7	27.4	32.5	34.0	21.7	**	0.0
Garrett	34.9	45.3	26.3	35.3	0.0	0.0	0.0	**
Harford	39.2	41.8	37.0	39.6	41.9	**	**	**
Howard	30.9	33.7	28.3	29.6	34.8	26.3	30.0	**
Kent	35.0	42.6	28.6	34.9	**	0.0	0.0	**
Montgomery	28.4	31.0	26.3	28.6	32.6	23.5	27.3	**
Prince George's	32.6	35.8	30.4	37.8	32.4	22.2	26.7	**
Queen Anne's	33.2	28.7	37.1	33.5	**	0.0	**	0.0
St. Mary's	37.1	41.1	33.6	36.9	40.4	**	**	0.0
Somerset	34.0	43.0	26.6	36.5	**	**	**	0.0
Talbot	37.8	45.2	30.5	40.4	**	0.0	**	0.0
Washington	35.8	39.3	33.2	34.3	45.0	**	**	0.0
Wicomico	38.6	49.6	29.8	40.8	38.4	**	**	0.0
Worcester	33.0	37.0	29.5	33.5	34.8	**	0.0	0.0

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

** Rates based on case counts of 1-15 are suppressed per MDH/MCR Data Use Policy and Procedures

All race rates, except Hispanic, are non-Hispanic/Latino

Source: Maryland Cancer Registry, SEER*Stat Static data as of January 29, 2025

Table 26
Number of Deaths for Colorectal Cancer by Jurisdiction, Gender, and Race/Ethnicity,
Maryland, 2018-2022

Jurisdiction	Total	Gender		Race/Ethnicity				
		Male	Female	White	Black	Hispanic	API	AIAN
Maryland	4,804	2,480	2,324	2,895	1,539	134	227	<6
Allegany	73	40	33	69	<6	<6	<6	<6
Anne Arundel	426	214	212	316	75	7	25	<6
Baltimore City	521	266	255	124	384	8	<6	<6
Baltimore	777	388	389	553	192	9	22	<6
Calvert	72	45	27	50	20	<6	<6	<6
Caroline	32	16	16	28	<6	<6	<6	<6
Carroll	165	74	91	157	<6	<6	<6	<6
Cecil	89	55	34	78	9	<6	<6	<6
Charles	121	73	48	56	57	<6	<6	<6
Dorchester	44	25	19	29	14	<6	<6	<6
Frederick	189	98	91	157	17	9	<6	<6
Garrett	37	21	16	s	<6	<6	<6	<6
Harford	246	130	116	212	27	<6	6	<6
Howard	162	82	80	92	40	<6	26	<6
Kent	23	13	10	21	<6	<6	<6	<6
Montgomery	679	335	344	404	130	s	91	<6
Prince George's	689	355	334	129	496	33	30	<6
Queen Anne's	35	24	11	32	<6	<6	<6	<6
St. Mary's	81	42	39	65	13	<6	<6	<6
Somerset	18	6	12	12	<6	<6	<6	<6
Talbot	39	21	18	33	s	<6	<6	<6
Washington	154	85	69	137	12	<6	<6	<6
Wicomico	82	47	35	63	17	<6	<6	<6
Worcester	50	25	25	41	s	<6	<6	<6

Total includes deaths reported as unknown race/ethnicity

<6 = Death counts of 0-5 are suppressed per MDH/CCPC Mortality Data Suppression Policy

s = Death counts are suppressed to prevent disclosure of data in other cell(s) (See Appendix A for methods)

All race counts, except Hispanic, are non-Hispanic/Latino

Source: Maryland Department of Health Vital Statistics Administration

Table 27
Colorectal Cancer Age-Adjusted Mortality Rates* by Jurisdiction, Gender, and
Race/Ethnicity, Maryland, 2018-2022

Jurisdiction	Total	Gender		Race/Ethnicity				
		Male	Female	White	Black	Hispanic	API	AIAN
Maryland	12.8	15.0	11.0	12.4	15.3	6.9	9.6	**
Allegany	14.9	17.1	13.5	15.0	**	**	**	**
Anne Arundel	12.3	13.9	11.2	11.6	16.2	**	18.1	**
Baltimore City	15.7	19.7	13.0	12.6	17.9	**	**	**
Baltimore	13.8	16.5	11.9	13.8	15.4	**	8.2	**
Calvert	12.0	15.7	8.5	10.2	25.5	**	**	**
Caroline	15.6	**	**	16.5	**	**	**	**
Carroll	14.5	14.4	14.5	14.5	**	**	**	**
Cecil	14.4	18.8	10.9	14.2	**	**	**	**
Charles	13.2	17.8	9.6	11.4	14.8	**	**	**
Dorchester	18.6	23.2	**	17.4	**	**	**	**
Frederick	11.6	13.3	10.2	11.5	**	**	**	**
Garrett	15.4	20.7	**	15.8	**	**	**	**
Harford	14.7	17.5	12.5	14.8	16.3	**	**	**
Howard	8.8	9.9	7.8	7.8	12.7	**	8.7	**
Kent	13.8	**	**	15.3	**	**	**	**
Montgomery	10.3	11.2	9.4	10.9	13.2	7.0	8.6	**
Prince George's	13.4	16.3	11.3	13.7	14.1	7.2	11.8	**
Queen Anne's	9.7	14.4	**	10.1	**	**	**	**
St. Mary's	13.0	14.1	11.7	13.2	**	**	**	**
Somerset	**	**	**	**	**	**	**	**
Talbot	10.4	13.2	**	9.7	**	**	**	**
Washington	14.8	18.2	12.0	14.5	**	**	**	**
Wicomico	13.6	18.0	10.5	14.7	**	**	**	**
Worcester	9.8	10.9	8.8	8.8	**	**	**	**

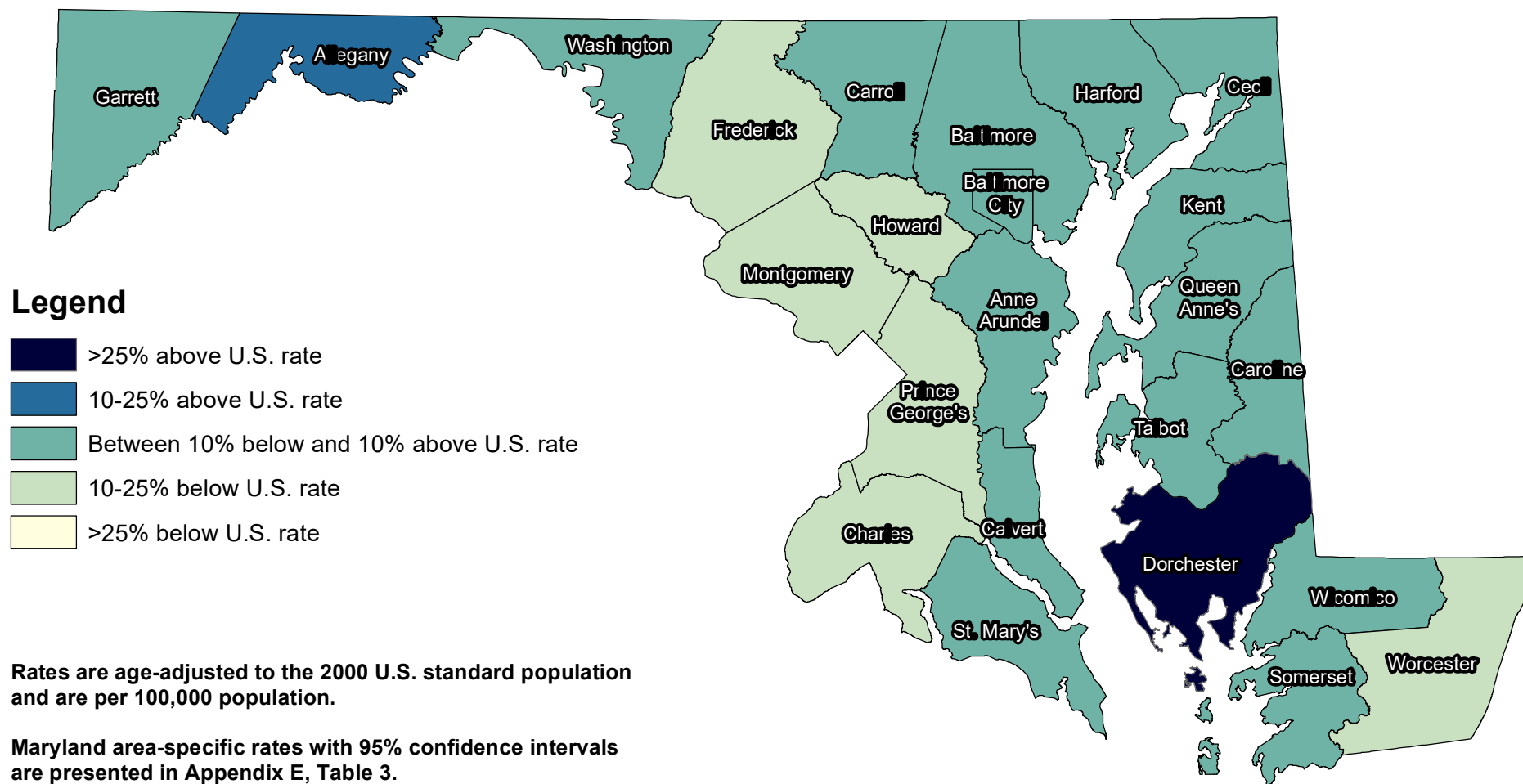
* Rates are per 100,000 population and age-adjusted to 2000 U.S. standard population

** Rates based on death counts of 0-19 are suppressed per MDH/CCPC Mortality Data Suppression Policy

All race rates, except Hispanic, are non-Hispanic/Latino

Source: Maryland Department of Health Vital Statistics Administration

Maryland Colorectal Cancer Incidence Rates by Geographical Area: Comparison to U.S. Rate, 2018-2022

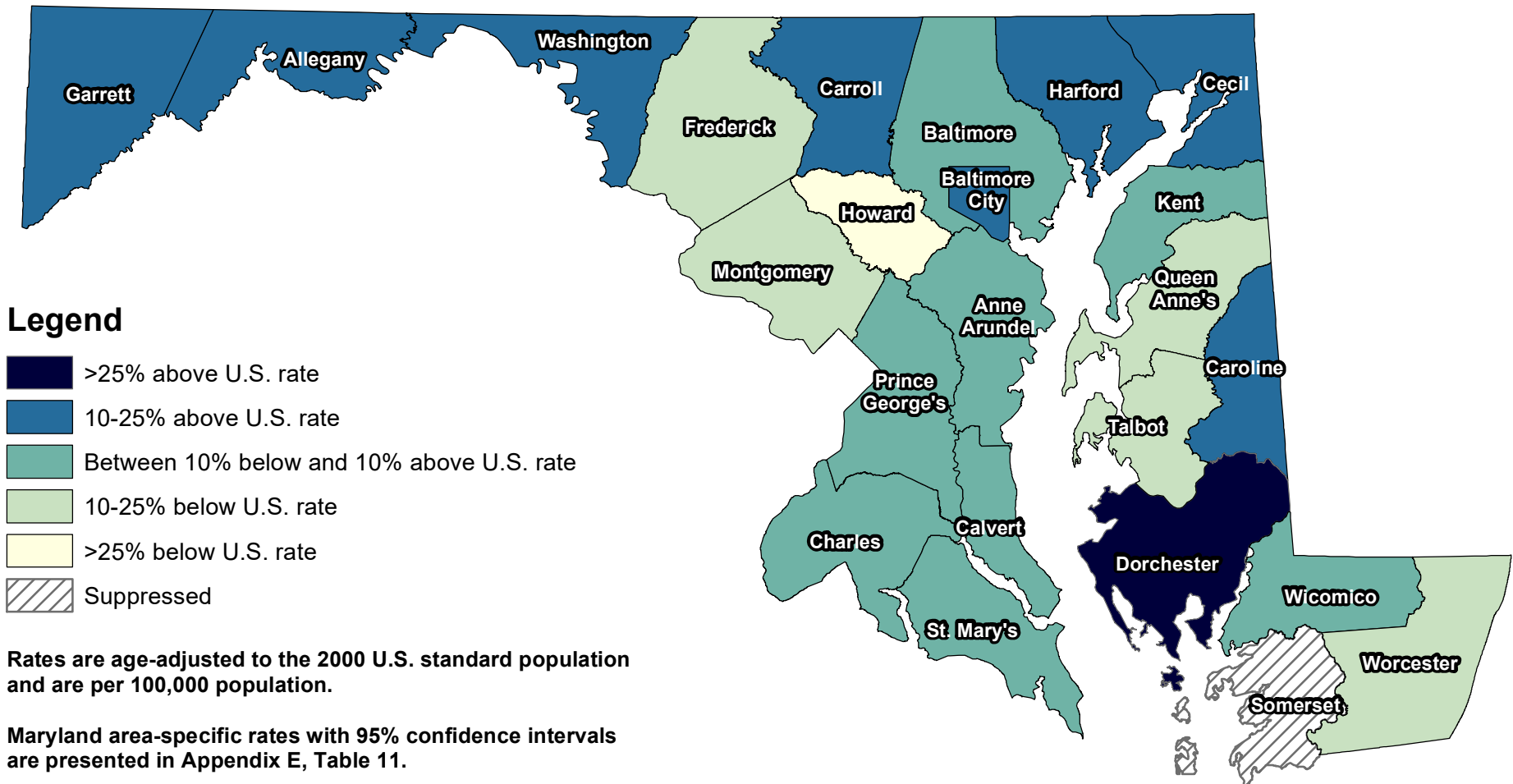


U.S. colorectal cancer incidence rate, 2018-2022: 36.8 / 100,000

Maryland colorectal cancer incidence rate, 2018-2022: 34.3 / 100,000

Sources: Maryland Cancer Registry
U.S. SEER, SEER*Stat Database

Maryland Colorectal Cancer Mortality Rates by Geographical Area: Comparison to U.S. Rate, 2018-2022



U.S. colorectal cancer mortality rate, 2018-2022: 12.9 / 100,000

Maryland colorectal cancer mortality rate, 2018-2022: 12.8 / 100,000

Sources: Maryland Department of Health Vital Statistics Administration
U.S. SEER, Cancer Statistics Review

Note: Rates based on case counts of 0-19 are suppressed per MDH/CCPC Data Use Policy and Procedures.

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C. Female Breast Cancer

Incidence (New Cases)

In 2022, a total of 5,783 cases of breast cancer were reported among Maryland women. The 2022 age-adjusted incidence rate in Maryland was 144.3 per 100,000 women, which is statistically significantly higher than the 2022 U.S. SEER age-adjusted female breast cancer incidence rate of 132.5 per 100,000 women.

In Maryland, female breast cancer incidence rates in 2022 were highest among White and Black women, at 150.4 per 100,000 and 147.2 per 100,000 respectively; these rates are statistically similar to each other but higher than the female breast cancer incidence rates for Hispanic and Asian/Pacific Islander Marylanders. The 2022 female breast cancer incidence rate for American Indian/Alaska Native Marylanders is not reportable. For Maryland and U.S. 2022 incidence rates and 95% confidence intervals by race and ethnicity, see Appendix I, Table 1.

Mortality (Deaths)

In 2022, a total of 834 women died of breast cancer in Maryland. Female breast cancer accounted for 15.4% of cancer deaths among women and 7.7% of all cancer deaths in Maryland in 2022. Breast cancer is the second leading cause of cancer death among women in Maryland after lung cancer. Maryland had the 23rd highest female breast cancer mortality rate among the states and the District of Columbia in 2022. The 2022 age-adjusted mortality rate for female breast cancer in Maryland was 19.4 per 100,000 women. This rate is statistically similar to the U.S. female breast cancer mortality rate of 18.7 per 100,000 women.

At 25.7 deaths per 100,000, Black women had a statistically significantly higher female breast cancer mortality rate than other racial and ethnic groups in Maryland in 2022. There were no statistically significant differences in breast cancer mortality among White, Hispanic, and Asian/Pacific Islander women. The female breast cancer mortality rate for American Indian/Alaska Native Marylanders is not reportable. For Maryland and U.S. 2022 mortality rates and 95% confidence intervals by race and ethnicity, see Appendix I, Table 2.

Table 28
Female Breast Cancer Incidence and Mortality Rates
by Race/Ethnicity, Maryland and the United States, 2022

<i>Incidence 2022</i>	<i>Total*</i>	<i>White</i>	<i>Black</i>	<i>Hispanic</i>	<i>API</i>	<i>AIAN</i>
MD New Cases (count)	5,783	3,331	1,835	240	341	14
MD Incidence Rate	144.3	150.4	147.2	92.3	123.4	**
U.S. SEER Rate	132.5	140.2	134.0	106.2	121.5	117.5
<i>Mortality 2022</i>	<i>Total*</i>	<i>White</i>	<i>Black</i>	<i>Hispanic</i>	<i>API</i>	<i>AIAN</i>
MD Deaths (count)	834	449	320	25	38	<6
MD Mortality Rate	19.4	17.3	25.7	11.3	13.4	**
U.S. Mortality Rate	18.7	18.8	25.6	13.5	11.8	14.7

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

All race rates and counts, except Hispanic, are non-Hispanic/Latino

* Total includes unknown race/ethnicity and unknown jurisdiction

<6 = Death counts of 0-5 are suppressed per MDH/CCPC Mortality Data Suppression Policy

** MD incidence rates based on case counts of 1-15 are suppressed per MDH/MCR Data Use Policy and Procedures; MD mortality rates based on death counts of 0-19 are suppressed per MDH/CCPC Mortality Data Suppression Policy

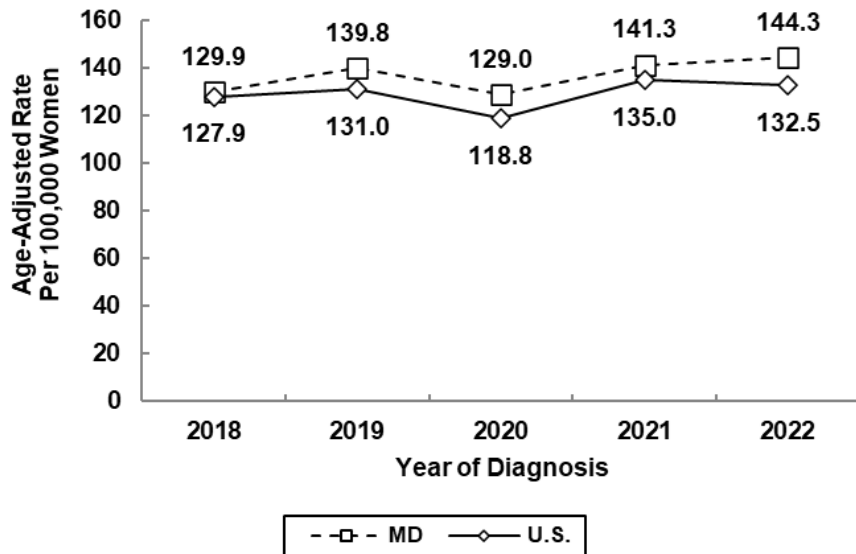
Source: Maryland Cancer Registry

U.S. SEER, SEER*Stat

Maryland Department of Health Vital Statistics Administration

U.S. SEER, Cancer Statistics Review

**Female Breast Cancer Incidence by Year of Diagnosis,
Maryland and U.S., 2018-2022**



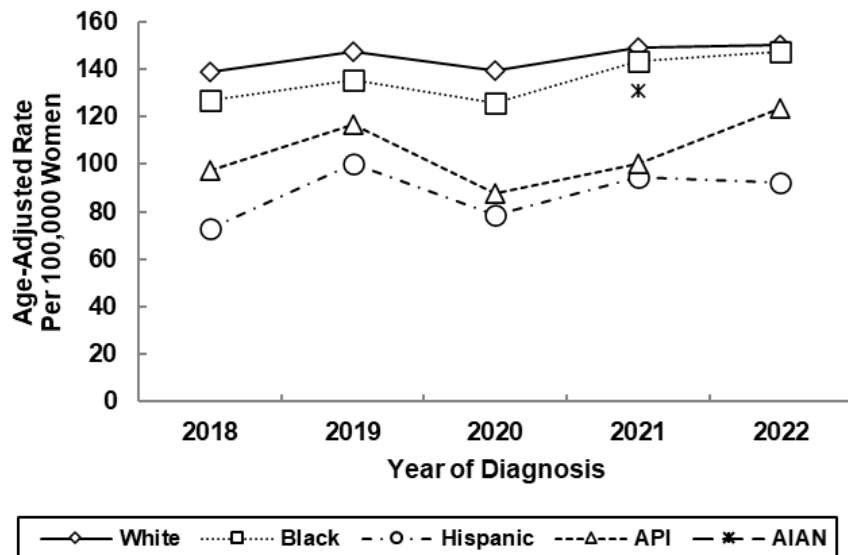
Source: Maryland Cancer Registry
U.S. SEER, SEER*Stat

Maryland vs. U.S., Incidence Rates

From 2018 to 2022, incidence rates for female breast cancer increased in Maryland at a rate of 2.2% per year and in the U.S. at a rate of 1.0% per year.

See Appendix F, Table 1.

**Female Breast Cancer Incidence by Race/Ethnicity
Maryland, 2018-2022**



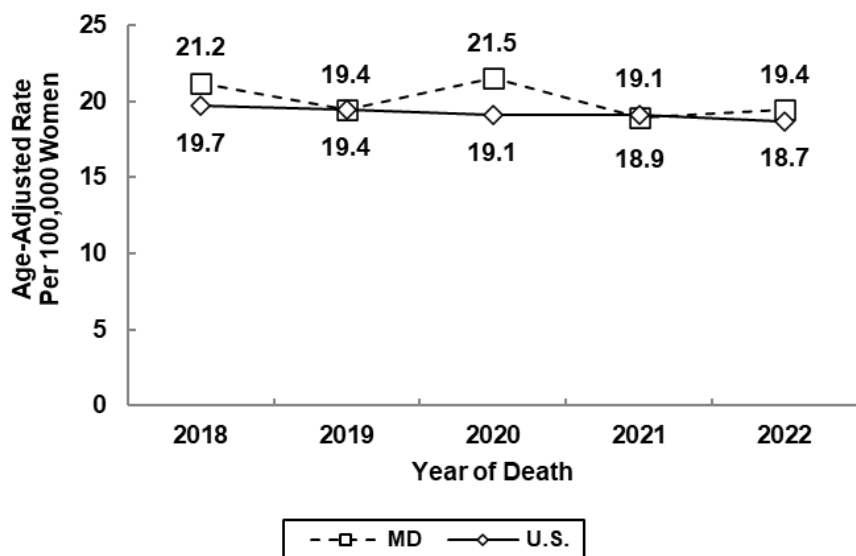
Source: Maryland Cancer Registry

Incidence Trends by Race/Ethnicity

Female breast cancer incidence rates increased at a rate of 1.7% per year among White females, 3.6% per year among Black females, 4.1% per year among Hispanic females, and 3.3% per year among Asian/Pacific Islander females in Maryland from 2018 to 2022. Breast cancer incidence rates among American Indian/Alaska Native females were suppressed from 2018 to 2020 and in 2022.

See Appendix F, Table 3.

**Female Breast Cancer Mortality by Year of Death,
Maryland and U.S., 2018-2022**



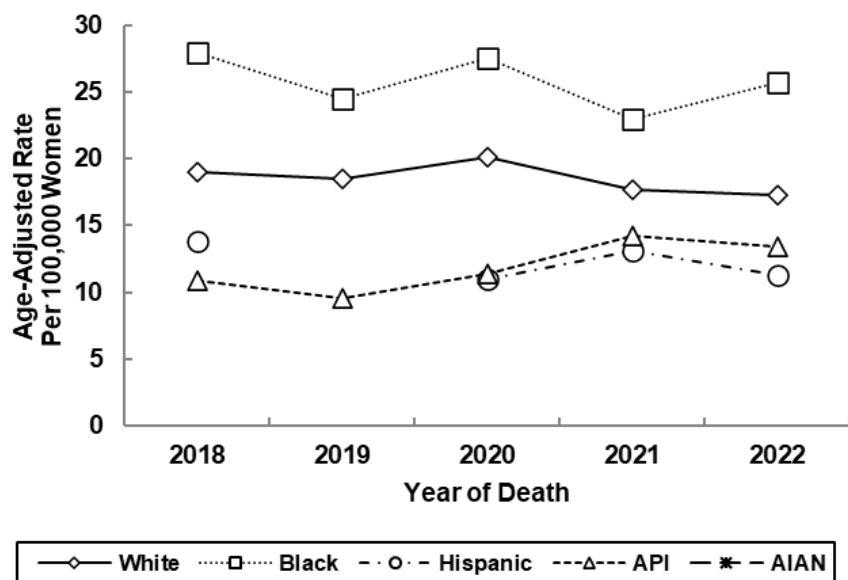
Source: Maryland Department of Health Vital Statistics Administration, 2021-2022 (MD)
NCHS Underlying Cause of Death in CDC WONDER, 2018-2020
SEER Mortality All Cause of Death Data (U.S.)

Maryland vs. U.S., Mortality Rates

From 2018 to 2022, female breast cancer mortality rates decreased in Maryland at a rate of 2.0% per year, and in the U.S. at a rate of 1.2% per year.

See Appendix F, Table 2.

**Female Breast Cancer Mortality by Race/Ethnicity
Maryland, 2018-2022**



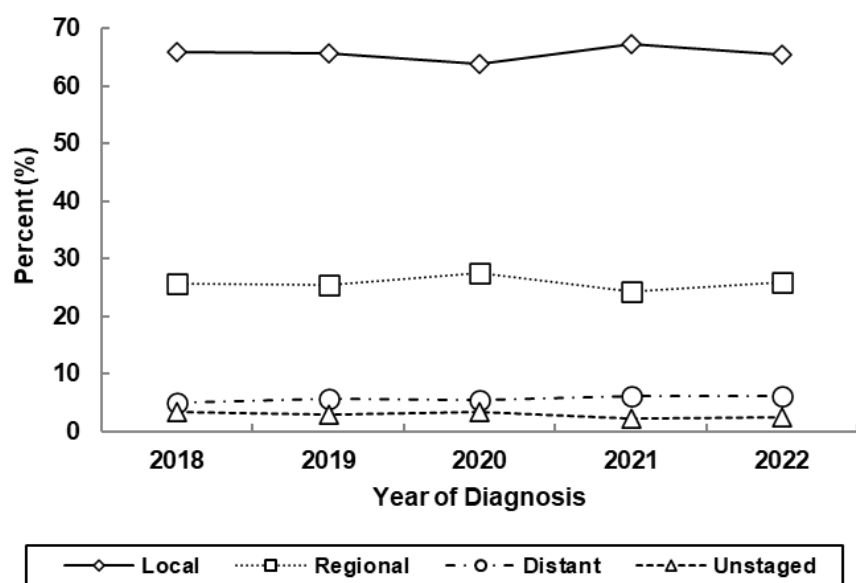
Source: Maryland Department of Health Vital Statistics Administration

Mortality Trends by Race/Ethnicity

From 2018 to 2022, female breast cancer mortality rates were highest in Black women compared to other racial groups. From 2018 to 2022, female breast cancer mortality rates decreased at a rate of 2.3% per year among both Black and White women. Female breast cancer mortality rates increased at a rate of 8.5% per year among Asian/Pacific Islander women in Maryland during the same time frame. Female breast cancer mortality rates for American Indian/Alaska Native women from 2018 to 2022 and Hispanic women in 2019 were suppressed.

See Appendix F, Table 5.

**Female Breast Cancer by Stage at Diagnosis
Maryland, 2018-2022**



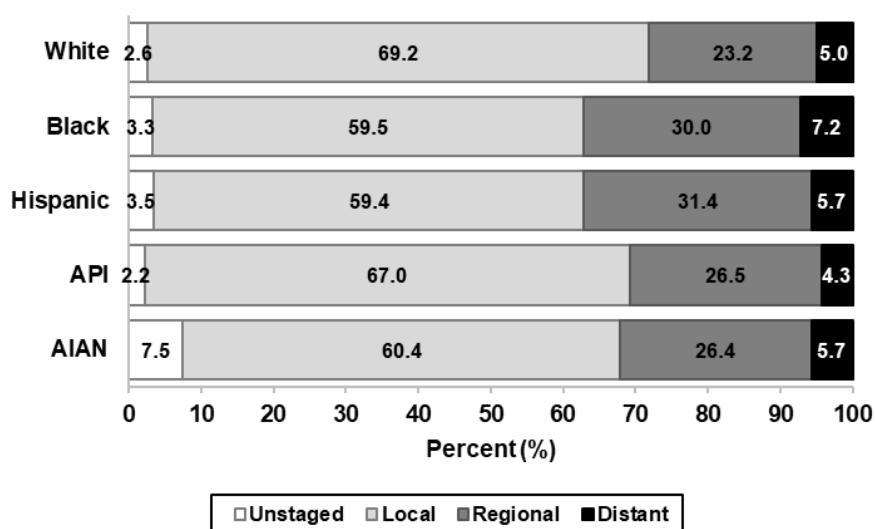
Source: Maryland Cancer Registry

Stage at Diagnosis

In 2022, 65.4% of all female breast cancer cases in Maryland were diagnosed at the local stage, 25.9% were found at the regional stage, and 6.2% were diagnosed at the distant stage. The proportion of female breast cancers reported as unstaged in 2022 was 2.5%. Unstaged breast cancer diagnoses decreased 7.9% per year from 2018 to 2022.

See Appendix G, Table 4.

**Female Breast Cancer by Race/Ethnicity and Stage at
Diagnosis
Maryland, 2018-2022**



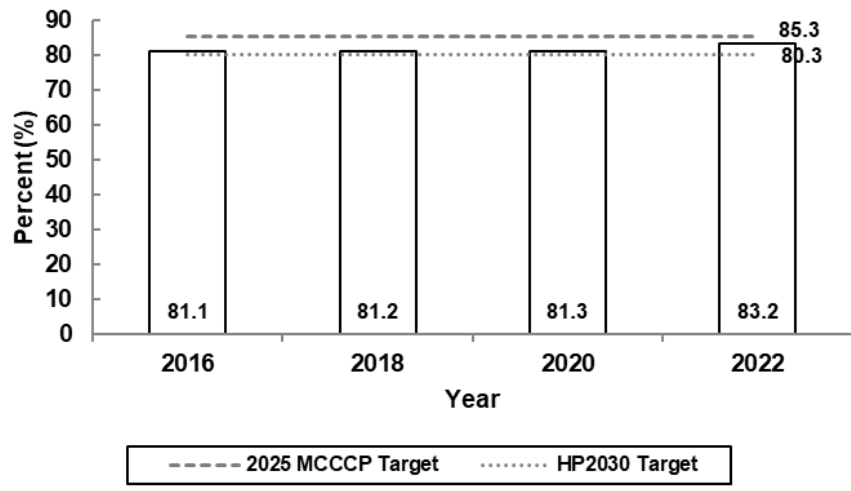
Source: Maryland Cancer Registry

Stage at Diagnosis by Race/Ethnicity

From 2018 to 2022, over half of all female breast cancer cases were diagnosed at the local stage for all racial groups. Black and Hispanic women had the largest percentages of cases diagnosed at the regional and distant stage compared to other racial groups.

See Appendix J, Table 4.

Percentage of Maryland Women Ages 50 to 74 Years Old Who Had a Mammogram Within the Past 2 Years, 2016-2022, Compared to the 2025 MCCCCP and Healthy People 2030 Targets

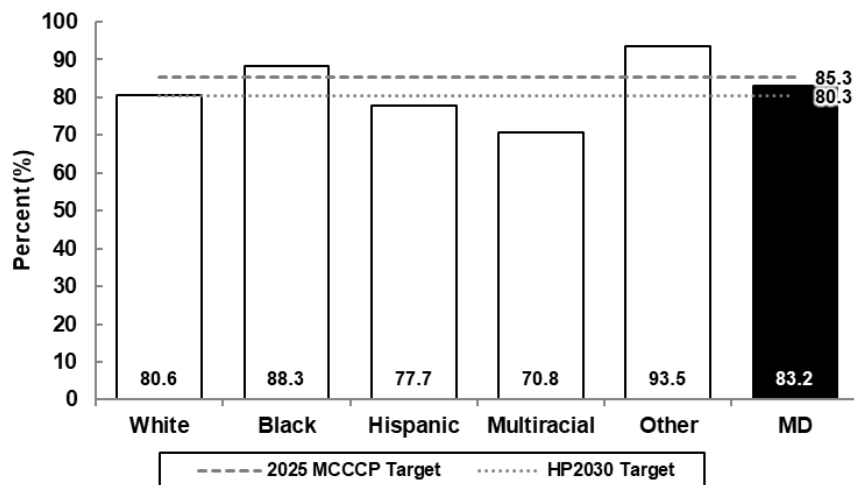


Source: Maryland Behavioral Risk Factor Surveillance System, 2016, 2018, 2020, 2022
 Maryland Comprehensive Cancer Control Plan, 2021-2025
 Healthy People 2030, U.S. Department of Health and Human Services

Breast Cancer Screening

The Healthy People 2030 target for the proportion of women who had a breast cancer screening based on the most recent guidelines is 80.3%, while the 2025 MCCCCP target is 85.3%. Maryland women have consistently met or surpassed the Healthy People 2030 target and are close to meeting the 2025 MCCCCP target. In 2022, 83.2% of Maryland women ages 50 to 74 years reported receiving a mammogram within the past two years.

Percentage of Maryland Women Ages 50 to 74 Years Old Who Had a Mammogram Within the Past 2 Years, by Race/Ethnicity, 2022, Compared to the 2025 MCCCCP and Healthy People 2030 Targets



Source: Maryland Behavioral Risk Factor Surveillance System, 2016, 2018, 2020, 2022
 Maryland Comprehensive Cancer Control Plan, 2021-2025
 Healthy People 2030, U.S. Department of Health and Human Services

Breast Cancer Screening by Race/Ethnicity

In 2022, Black women met both the Healthy People 2030 and 2025 MCCCCP targets for women screened for breast cancer. White women met the Healthy People 2030 goal, but have not yet met the 2025 MCCCCP target. Hispanic and Multiracial women have not yet met either target.

Table 29
Number of Cases for Female Breast Cancer by Jurisdiction and Race/Ethnicity,
Maryland, 2022

Jurisdiction	Total	Race/Ethnicity				
		White	Black	Hispanic	API	AIAN
Maryland	5,783	3,331	1,835	240	341	14
Allegany	61	s	<6	0	<6	0
Anne Arundel	594	434	104	24	30	<6
Baltimore City	447	123	302	10	10	<6
Baltimore	840	512	274	14	36	<6
Calvert	79	64	11	<6	0	0
Caroline	33	26	7	0	0	0
Carroll	203	190	<6	<6	<6	<6
Cecil	87	82	<6	<6	<6	0
Charles	163	63	86	<6	8	<6
Dorchester	33	23	s	<6	0	0
Frederick	280	225	32	8	14	0
Garrett	23	s	0	0	<6	0
Harford	293	245	35	7	6	0
Howard	270	138	75	11	43	0
Kent	23	s	<6	0	<6	0
Montgomery	1,034	566	217	90	147	<6
Prince George's	804	117	596	55	28	<6
Queen Anne's	58	55	<6	0	0	0
St. Mary's	102	85	9	<6	6	0
Somerset	16	s	<6	0	0	0
Talbot	47	s	<6	0	0	0
Washington	157	134	20	<6	<6	0
Wicomico	76	40	32	<6	<6	0
Worcester	52	43	9	0	0	0

Total includes cases reported as unknown race/ethnicity and unknown jurisdiction

<6 = Case counts of 1-5 are suppressed per MDH/MCR Data Use Policy

s = Case counts are suppressed to prevent disclosure of data in other cell(s) (See Appendix A for methods)

All race counts, except Hispanic, are non-Hispanic/Latino

Source: Maryland Cancer Registry, SEER*Stat Static data as of January 29, 2025

Table 30
Female Breast Cancer Age-Adjusted Incidence Rates* by Jurisdiction and Race/Ethnicity,
Maryland, 2022

Jurisdiction	Total	Race/Ethnicity				
		White	Black	Hispanic	API	AIAN
Maryland	144.3	150.4	147.2	92.3	123.4	**
Allegany	132.4	135.2	**	0.0	**	0.0
Anne Arundel	160.8	163.0	159.9	114.3	162.4	**
Baltimore City	124.8	132.8	121.6	**	**	**
Baltimore	146.8	143.8	165.6	**	117.4	**
Calvert	132.9	138.5	**	**	0.0	0.0
Caroline	139.9	128.8	**	0.0	0.0	0.0
Carroll	166.0	167.4	**	**	**	**
Cecil	125.2	133.8	**	**	**	0.0
Charles	159.6	153.5	168.8	**	**	**
Dorchester	115.4	105.9	**	**	0.0	0.0
Frederick	159.4	164.3	190.1	**	**	0.0
Garrett	104.8	102.5	0.0	0.0	**	0.0
Harford	168.8	173.2	156.2	**	**	0.0
Howard	132.5	121.3	181.9	**	111.5	0.0
Kent	143.0	159.2	**	0.0	**	0.0
Montgomery	151.7	165.3	176.8	92.6	125.6	**
Prince George's	128.6	132.0	134.0	86.0	107.0	**
Queen Anne's	151.7	162.1	**	0.0	0.0	0.0
St. Mary's	160.1	171.8	**	**	**	0.0
Somerset	99.9	**	**	0.0	0.0	0.0
Talbot	125.7	145.2	**	0.0	0.0	0.0
Washington	155.6	153.3	288.6	**	**	0.0
Wicomico	114.7	91.8	184.3	**	**	0.0
Worcester	104.7	102.1	**	0.0	0.0	0.0

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

** Rates based on case counts of 1-15 are suppressed per MDH/MCR Data Use Policy and Procedures

All race rates, except Hispanic, are non-Hispanic/Latino

Source: Maryland Cancer Registry, SEER*Stat Static data as of January 29, 2025

Table 31
Number of Deaths for Female Breast Cancer by Jurisdiction and Race/Ethnicity,
Maryland, 2022

Jurisdiction	Total	Race/Ethnicity				
		White	Black	Hispanic	API	AIAN
Maryland	834	449	320	25	38	<6
Allegany	6	s	<6	<6	<6	<6
Anne Arundel	64	42	15	<6	<6	<6
Baltimore City	88	18	66	<6	<6	<6
Baltimore	142	82	49	<6	8	<6
Calvert	8	6	<6	<6	<6	<6
Caroline	<6	<6	<6	<6	<6	<6
Carroll	32	31	<6	<6	<6	<6
Cecil	11	10	<6	<6	<6	<6
Charles	16	6	8	<6	<6	<6
Dorchester	<6	<6	<6	<6	<6	<6
Frederick	19	15	<6	<6	<6	<6
Garrett	7	s	<6	<6	<6	<6
Harford	27	23	<6	<6	<6	<6
Howard	42	23	14	<6	<6	<6
Kent	<6	<6	<6	<6	<6	<6
Montgomery	125	74	26	s	17	<6
Prince George's	148	26	117	<6	<6	<6
Queen Anne's	10	8	<6	<6	<6	<6
St. Mary's	18	16	<6	<6	<6	<6
Somerset	<6	<6	<6	<6	<6	<6
Talbot	8	7	<6	<6	<6	<6
Washington	30	28	<6	<6	<6	<6
Wicomico	15	9	s	<6	<6	<6
Worcester	8	6	<6	<6	<6	<6

Total includes deaths reported as unknown race/ethnicity

<6 = Death counts of 0-5 are suppressed per MDH/CCPC Mortality Data Suppression Policy

s = Death counts are suppressed to prevent disclosure of data in other cell(s) (See Appendix A for methods)

All race counts, except Hispanic, are non-Hispanic/Latino

Source: Maryland Department of Health Vital Statistics Administration

Table 32
Female Breast Cancer Age-Adjusted Mortality Rates* by Jurisdiction and Race/Ethnicity,
Maryland, 2022

Jurisdiction	Total	Race/Ethnicity				
		White	Black	Hispanic	API	AIAN
Maryland	19.4	17.3	25.7	11.3	13.4	**
Allegany	**	**	**	**	**	**
Anne Arundel	16.0	13.6	**	**	**	**
Baltimore City	23.2	**	25.3	**	**	**
Baltimore	22.0	17.7	30.0	**	**	**
Calvert	**	**	**	**	**	**
Caroline	**	**	**	**	**	**
Carroll	25.7	27.4	**	**	**	**
Cecil	**	**	**	**	**	**
Charles	**	**	**	**	**	**
Dorchester	**	**	**	**	**	**
Frederick	**	**	**	**	**	**
Garrett	**	**	**	**	**	**
Harford	14.8	15.3	**	**	**	**
Howard	19.9	16.9	**	**	**	**
Kent	**	**	**	**	**	**
Montgomery	16.4	17.1	21.4	**	**	**
Prince George's	23.6	25.7	26.9	**	**	**
Queen Anne's	**	**	**	**	**	**
St. Mary's	**	**	**	**	**	**
Somerset	**	**	**	**	**	**
Talbot	**	**	**	**	**	**
Washington	28.1	29.2	**	**	**	**
Wicomico	**	**	**	**	**	**
Worcester	**	**	**	**	**	**

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

** Rates based on death counts of 0-19 are suppressed per MDH/CCPC Mortality Data Suppression Policy

All race rates, except Hispanic, are non-Hispanic/Latino

Source: Maryland Department of Health Vital Statistics Administration

Table 33
Number of Cases for Female Breast Cancer by Jurisdiction and Race/Ethnicity,
Maryland, 2018-2022

Jurisdiction	Total	Race/Ethnicity				
		White	Black	Hispanic	API	AIAN
Maryland	26,802	16,030	8,146	1,035	1,398	53
Allegany	325	317	<6	<6	<6	0
Anne Arundel	2,570	1,971	406	95	90	<6
Baltimore City	2,250	695	1,463	39	39	7
Baltimore	4,102	2,657	1,199	69	157	12
Calvert	415	350	47	10	7	0
Caroline	137	116	17	<6	<6	0
Carroll	875	822	20	14	16	<6
Cecil	418	380	25	9	<6	0
Charles	697	298	358	11	21	<6
Dorchester	153	107	44	<6	<6	0
Frederick	1,157	946	124	42	40	<6
Garrett	128	125	0	0	<6	0
Harford	1,245	1,038	149	25	28	<6
Howard	1,362	840	289	46	173	<6
Kent	93	83	s	<6	<6	0
Montgomery	4,639	2,655	848	421	656	<6
Prince George's	3,795	621	2,798	213	125	7
Queen Anne's	248	227	13	<6	<6	<6
St. Mary's	441	357	63	9	9	<6
Somerset	92	63	s	<6	<6	0
Talbot	244	211	26	<6	<6	0
Washington	696	616	61	11	8	0
Wicomico	375	263	97	<6	7	<6
Worcester	300	257	43	0	0	0

Total includes cases reported as unknown race/ethnicity and unknown jurisdiction

<6 = Case counts of 1-5 are suppressed per MDH/MCR Data Use Policy

s = Case counts are suppressed to prevent disclosure of data in other cell(s) (See Appendix A for methods)

All race counts, except Hispanic, are non-Hispanic/Latino

Source: Maryland Cancer Registry, SEER*Stat Static data as of January 29, 2025

Table 34
Female Breast Cancer Age-Adjusted Incidence Rates* by Jurisdiction and Race/Ethnicity,
Maryland, 2018-2022

Jurisdiction	Total	Race/Ethnicity				
		White	Black	Hispanic	API	AIAN
Maryland	137.0	145.0	136.2	88.0	105.3	86.9
Allegany	136.0	139.4	**	**	**	0.0
Anne Arundel	141.5	146.1	135.5	117.3	103.0	**
Baltimore City	124.5	145.5	118.9	81.6	97.3	**
Baltimore	144.6	145.8	153.2	83.1	103.5	**
Calvert	140.0	150.8	108.3	**	**	0.0
Caroline	119.4	123.2	114.5	**	**	0.0
Carroll	151.7	153.6	111.5	**	119.9	**
Cecil	123.1	125.1	121.8	**	**	0.0
Charles	138.3	133.3	150.6	**	96.5	**
Dorchester	117.2	110.8	148.1	**	**	0.0
Frederick	141.0	143.8	171.9	86.3	93.8	**
Garrett	115.2	116.6	0.0	0.0	**	0.0
Harford	145.8	148.5	141.5	119.1	105.9	**
Howard	137.1	146.5	150.3	96.5	94.2	**
Kent	122.2	135.3	**	**	**	0.0
Montgomery	137.8	155.7	143.7	92.0	113.9	**
Prince George's	129.9	142.1	132.8	74.2	94.4	**
Queen Anne's	137.6	144.6	**	**	**	**
St. Mary's	138.0	144.4	137.9	**	**	**
Somerset	119.7	123.6	119.7	**	**	0.0
Talbot	150.8	153.6	148.6	**	**	0.0
Washington	141.3	139.9	186.0	**	**	0.0
Wicomico	117.3	118.5	124.2	**	**	**
Worcester	131.4	131.9	182.0	0.0	0.0	0.0

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

** Rates based on case counts of 1-15 are suppressed per MDH/MCR Data Use Policy and Procedures

All race rates, except Hispanic, are non-Hispanic/Latino

Source: Maryland Cancer Registry, SEER*Stat Static data as of January 29, 2025

Table 35
Number of Deaths for Female Breast Cancer by Jurisdiction and Race/Ethnicity,
Maryland, 2018-2022

Jurisdiction	Total	Race/Ethnicity				
		White	Black	Hispanic	API	AIAN
Maryland	4,134	2,314	1,527	128	157	<6
Allegany	41	s	<6	<6	<6	<6
Anne Arundel	348	252	69	16	s	<6
Baltimore City	440	102	326	<6	6	<6
Baltimore	654	403	216	9	25	<6
Calvert	70	53	15	<6	<6	<6
Caroline	25	20	<6	<6	<6	<6
Carroll	124	121	<6	<6	<6	<6
Cecil	71	60	10	<6	<6	<6
Charles	108	48	54	<6	<6	<6
Dorchester	18	13	<6	<6	<6	<6
Frederick	127	105	14	<6	<6	<6
Garrett	23	s	<6	<6	<6	<6
Harford	174	143	24	<6	<6	<6
Howard	165	103	47	<6	13	<6
Kent	9	7	<6	<6	<6	<6
Montgomery	610	361	123	s	64	<6
Prince George's	704	120	543	20	20	<6
Queen Anne's	40	38	<6	<6	<6	<6
St. Mary's	88	69	16	<6	<6	<6
Somerset	22	13	s	<6	<6	<6
Talbot	33	26	s	<6	<6	<6
Washington	126	112	12	<6	<6	<6
Wicomico	71	48	19	<6	<6	<6
Worcester	43	33	9	<6	<6	<6

Total includes deaths reported as unknown race/ethnicity

<6 = Death counts of 0-5 are suppressed per MDH/CCPC Mortality Data Suppression Policy

s = Death counts are suppressed to prevent disclosure of data in other cell(s) (See Appendix A for methods)

All race counts, except Hispanic, are non-Hispanic/Latino

Source: Maryland Department of Health Vital Statistics Administration

Table 36
Female Breast Cancer Age-Adjusted Mortality Rates* by Jurisdiction and Race/Ethnicity,
Maryland, 2018-2022

Jurisdiction	Total	Race/Ethnicity				
		White	Black	Hispanic	API	AIAN
Maryland	20.0	18.5	25.8	11.7	11.9	**
Allegany	13.6	14.3	**	**	**	**
Anne Arundel	18.2	17.0	23.7	**	**	**
Baltimore City	23.4	19.9	25.7	**	**	**
Baltimore	20.7	17.4	28.6	**	16.5	**
Calvert	22.6	21.2	**	**	**	**
Caroline	19.6	18.6	**	**	**	**
Carroll	19.9	20.7	**	**	**	**
Cecil	21.3	20.5	**	**	**	**
Charles	22.3	21.5	25.1	**	**	**
Dorchester	**	**	**	**	**	**
Frederick	15.0	14.8	**	**	**	**
Garrett	16.7	17.3	**	**	**	**
Harford	19.4	19.2	22.9	**	**	**
Howard	16.5	17.1	25.2	**	**	**
Kent	**	**	**	**	**	**
Montgomery	16.9	18.1	21.3	13.7	10.8	**
Prince George's	24.2	23.0	26.4	7.6	14.1	**
Queen Anne's	22.2	24.4	**	**	**	**
St. Mary's	27.8	28.0	**	**	**	**
Somerset	24.1	**	**	**	**	**
Talbot	13.5	12.5	**	**	**	**
Washington	23.6	22.3	**	**	**	**
Wicomico	21.3	19.5	**	**	**	**
Worcester	17.8	15.7	**	**	**	**

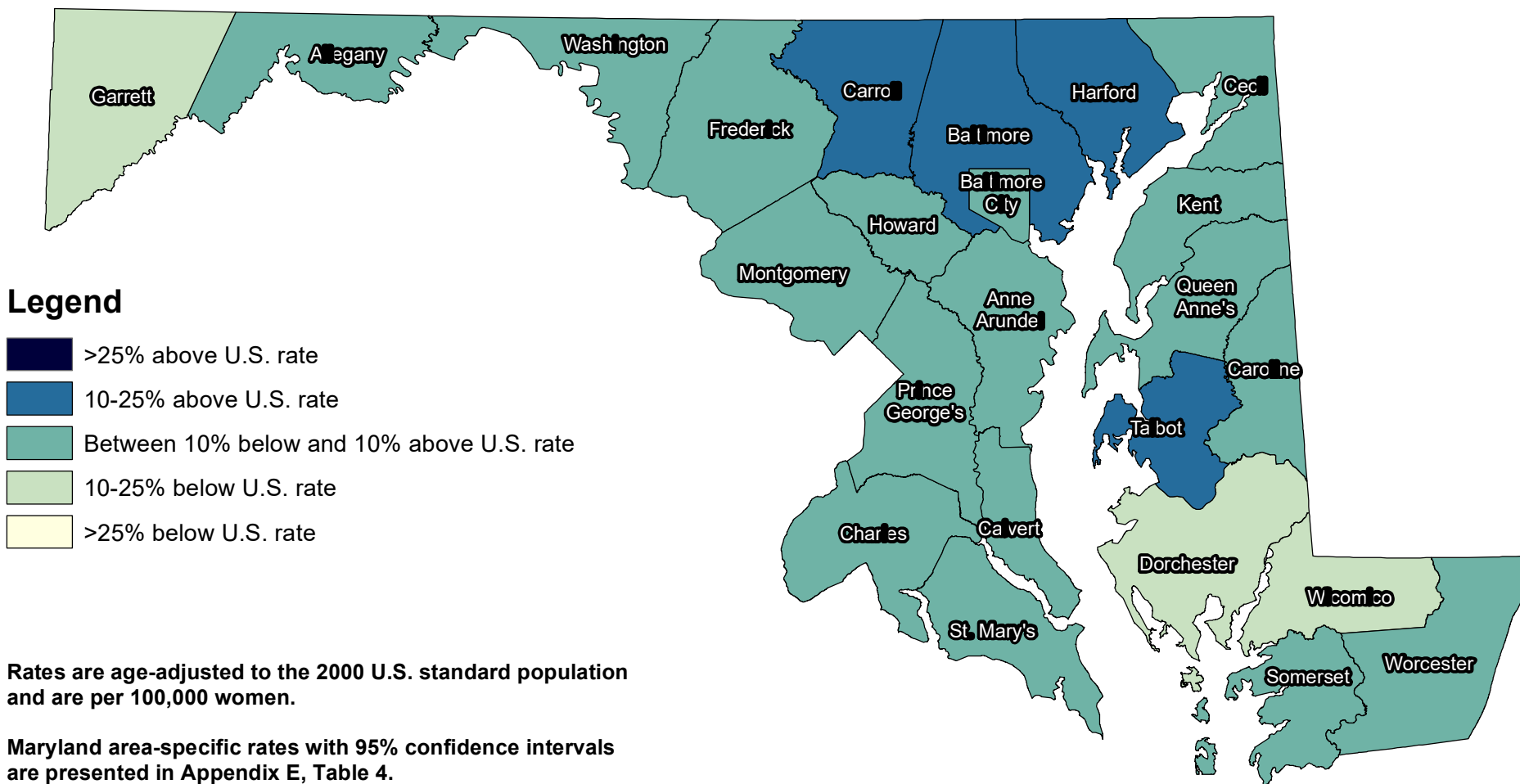
* Rates are per 100,000 women and age-adjusted to 2000 U.S. standard population

** Rates based on death counts of 0-19 are suppressed per MDH/CCPC Mortality Data Suppression Policy

All race rates, except Hispanic, are non-Hispanic/Latino

Source: Maryland Department of Health Vital Statistics Administration

Maryland Female Breast Cancer Incidence Rates by Geographical Area: Comparison to U.S. Rate, 2018-2022

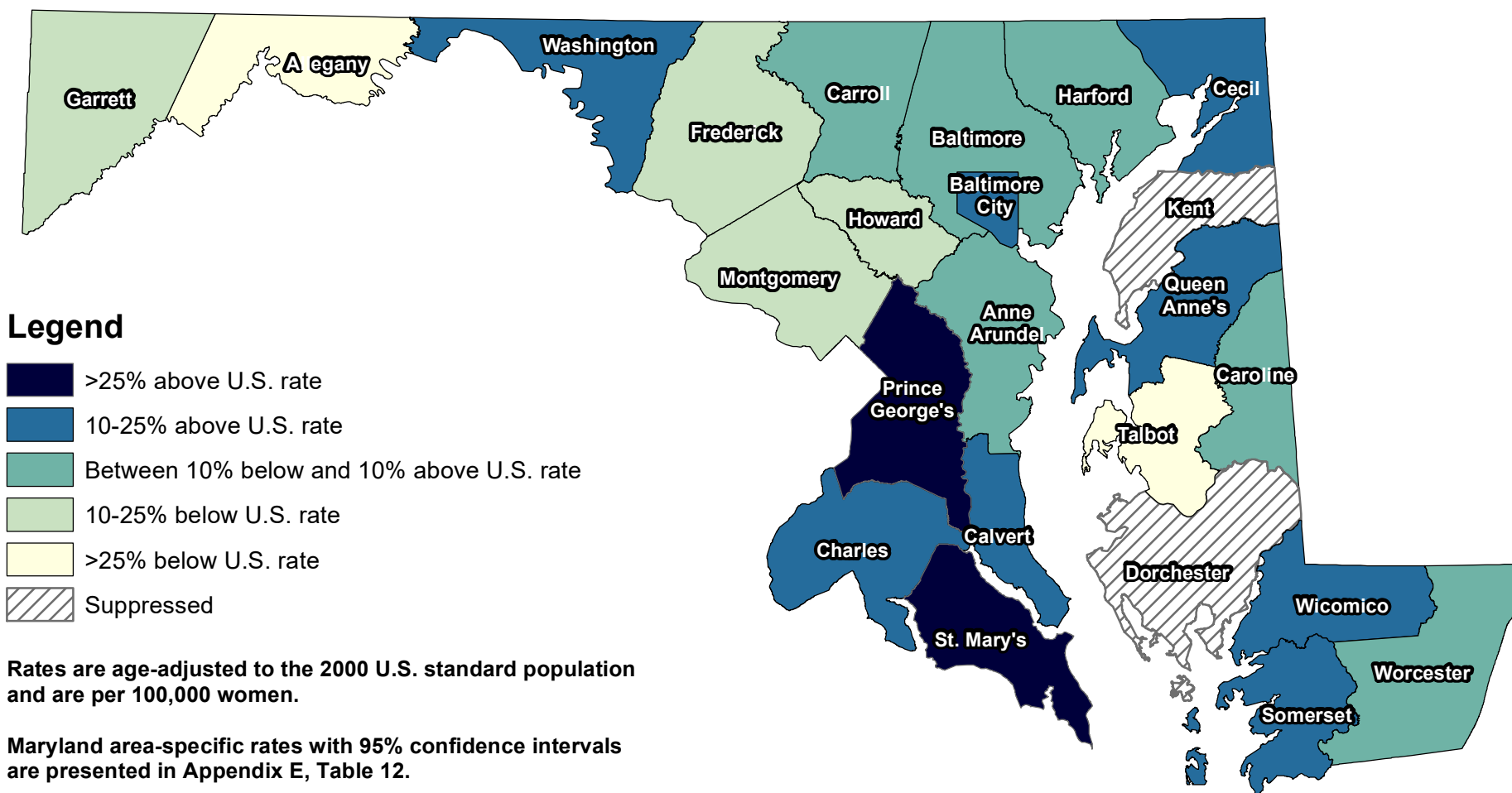


U.S. female breast cancer incidence rate, 2018-2022: 131.1 / 100,000

Maryland female breast cancer incidence rate, 2018-2022: 137.0 / 100,000

Sources: Maryland Cancer Registry
U.S. SEER, SEER*Stat Database

Maryland Female Breast Cancer Mortality Rates by Geographical Area: Comparison to U.S. Rate, 2018-2022



U.S. female breast cancer mortality rate, 2018-2022: 19.3 / 100,000

Maryland female breast cancer mortality rate, 2018-2022: 20.0 / 100,000

Sources: Maryland Department of Health Vital Statistics Administration
U.S. SEER, Cancer Statistics Review

Note: Rates based on case counts of 0-19 are suppressed per MDH/CCPC Data Use Policy and Procedures.

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D. Prostate Cancer

Incidence (New Cases)

In 2022, a total of 5,911 cases of prostate cancer were reported among men in Maryland. The age-adjusted prostate cancer incidence rate in Maryland for 2022 was 151.0 per 100,000 men, which is statistically significantly higher than the 2022 U.S. SEER age-adjusted prostate cancer incidence rate of 123.7 per 100,000 men.

In Maryland, Black men had a statistically significantly higher prostate cancer incidence rate (221.0 per 100,000) than all other racial and ethnic groups in 2022. White men had the second highest prostate cancer incidence rate (132.5 per 100,000), statistically significantly higher than Hispanic and Asian/Pacific Islander men. For Maryland and U.S. 2022 incidence rates and 95% confidence intervals by race and ethnicity, see Appendix I, Table 1.

Mortality (Deaths)

Prostate cancer is the second leading cause of cancer death among men in Maryland after lung cancer. In 2022, 635 men died of prostate cancer in Maryland, accounting for 5.9% of all cancer deaths and 11.8% of cancer deaths among men in Maryland. Maryland had the 16th highest prostate cancer mortality rate among the states and the District of Columbia in 2022. The 2022 age-adjusted mortality rate for prostate cancer in Maryland was 20.0 per 100,000 men. This rate is statistically similar to the 2022 U.S. prostate cancer mortality rate of 18.7 per 100,000 men.

In Maryland, Black men had a prostate cancer mortality rate more than double the rate for White men, at 38.9 per 100,000 and 15.9 per 100,000 respectively, in 2022; this difference is statistically significant. Prostate cancer mortality rates for Hispanic, Asian/Pacific Islander, and American Indian/Alaska Native men are not reportable. For Maryland and U.S. 2022 mortality rates and 95% confidence intervals by race and ethnicity, see Appendix I, Table 2.

Table 37
Prostate Cancer Incidence and Mortality Rates
by Race/Ethnicity, Maryland and the United States, 2022

<i>Incidence 2022</i>	<i>Total*</i>	<i>White</i>	<i>Black</i>	<i>Hispanic</i>	<i>API</i>	<i>AIAN</i>
MD New Cases (count)	5,901	3,208	2,286	180	168	18
MD Incidence Rate	151.0	132.5	221.0	92.1	69.8	143.7
U.S. SEER Rate	123.7	120.9	202.4	92.9	69.3	87.8
<i>Mortality 2022</i>	<i>Total*</i>	<i>White</i>	<i>Black</i>	<i>Hispanic</i>	<i>API</i>	<i>AIAN</i>
MD Deaths (count)	635	333	278	9	13	<6
MD Mortality Rate	20.0	15.9	38.9	**	**	**
U.S. Mortality Rate	18.7	17.9	36.4	15.6	8.5	13.3

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

All race rates and counts, except Hispanic, are non-Hispanic/Latino

* Total includes unknown race/ethnicity and unknown jurisdiction

<6 = Death counts of 0-5 are suppressed per MDH/CCPC Mortality Data Suppression Policy

** MD incidence rates based on case counts of 1-15 are suppressed per MDH/MCR Data Use Policy and Procedures; MD mortality rates based on death counts of 0-19 are suppressed per MDH/CCPC Mortality Data Suppression Policy

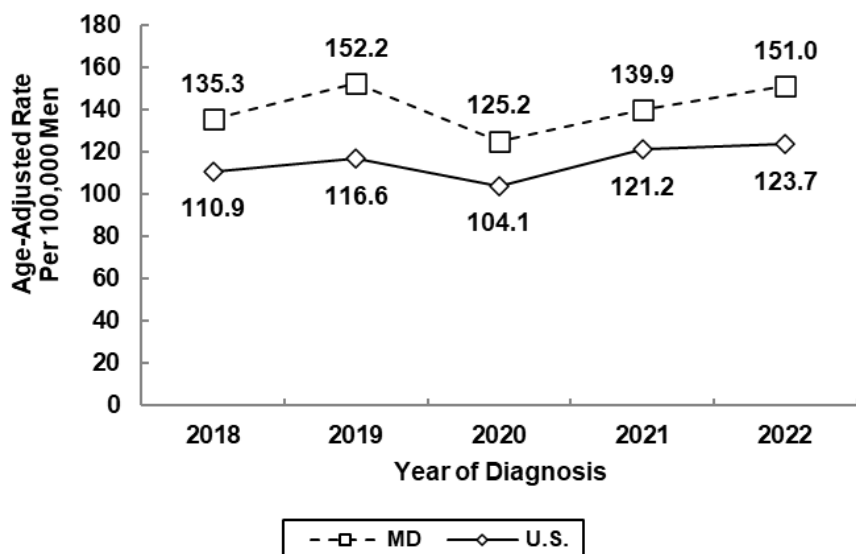
Source: Maryland Cancer Registry

U.S. SEER, SEER*Stat

Maryland Department of Health Vital Statistics Administration

U.S. SEER, Cancer Statistics Review

**Prostate Cancer Incidence by Year of Diagnosis,
Maryland and U.S., 2018-2022**



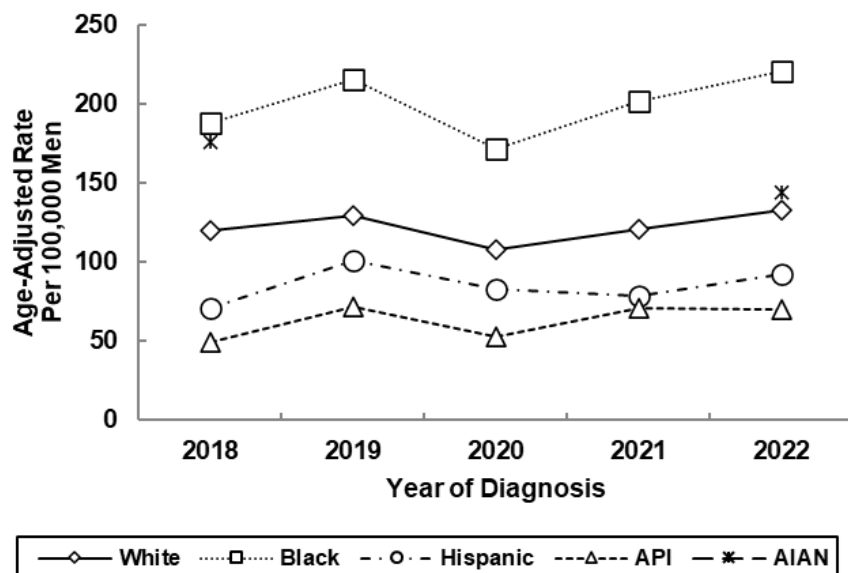
Source: Maryland Cancer Registry
U.S. SEER, SEER*Stat

Maryland vs. U.S., Incidence Rates

The prostate cancer incidence rate increased in Maryland at a rate of 1.4% per year and in the U.S. at a rate of 2.6% per year from 2018 to 2022. From 2018 to 2022, Maryland had consistently higher prostate cancer incidence rates than the U.S.

See Appendix F, Table 1.

**Prostate Cancer Incidence by Race/Ethnicity
Maryland, 2018-2022**

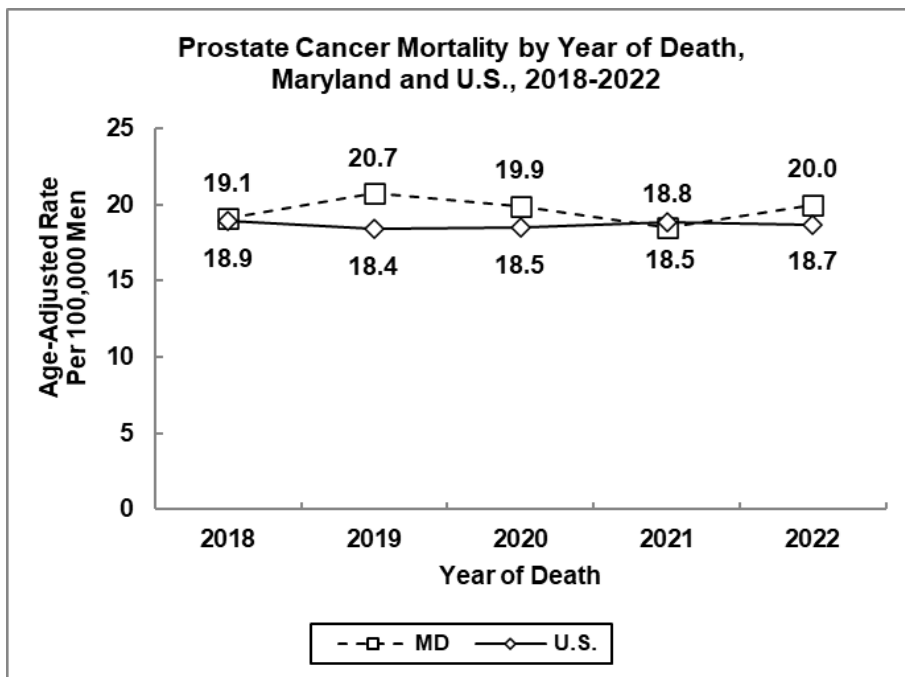


Source: Maryland Cancer Registry

Incidence Trends by Race/Ethnicity

From 2018 to 2022, Black men consistently had higher prostate cancer incidence rates than other racial groups. The incidence rates increased 2.7% per year among Black men, 1.3% per year among White men, 2.9% per year among Hispanic men, and 7.1% per year among Asian/Pacific Islander men. The prostate cancer incidence rates among American Indian/Alaska Native men in Maryland were suppressed from 2019 to 2021.

See Appendix F, Table 3.

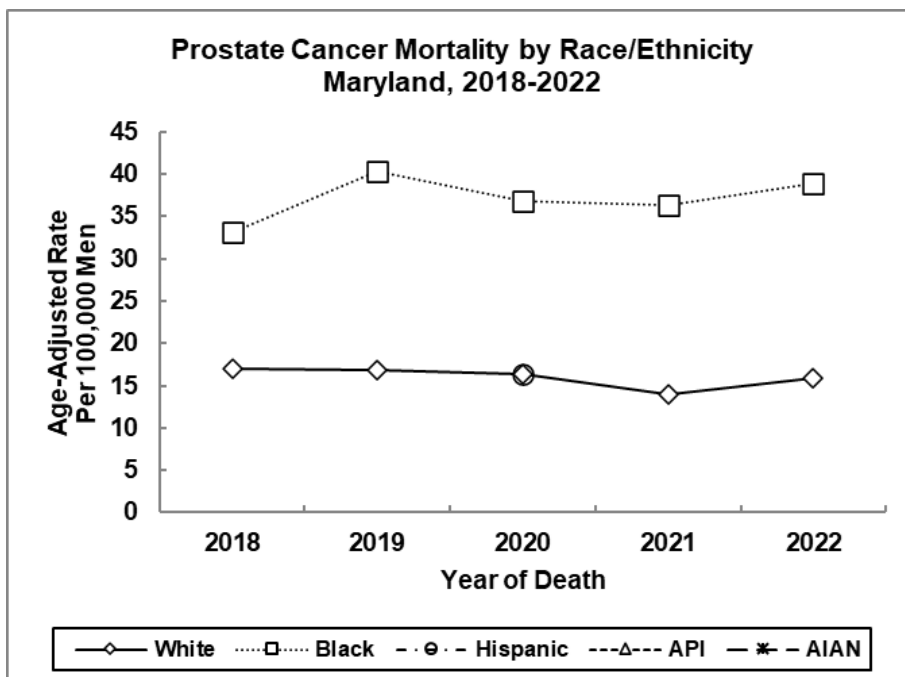


Source: Maryland Department of Health Vital Statistics Administration, 2021-2022 (MD)
NCHS Underlying Cause of Death in CDC WONDER, 2018-2020
SEER Mortality All Cause of Death Data (U.S.)

Maryland vs. U.S., Mortality Rates

From 2018 to 2022, the prostate cancer mortality rates decreased in Maryland at a rate of 0.2% per year and remained stagnant in the U.S.

See Appendix F, Table 2.

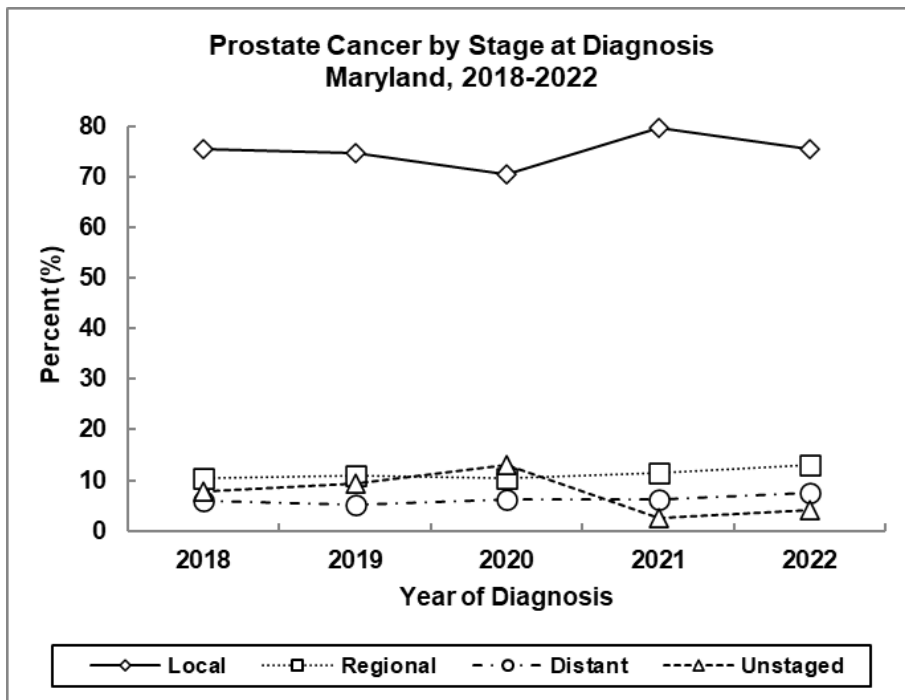


Source: Maryland Department of Health Vital Statistics Administration

Mortality Trends by Race/Ethnicity

From 2018 to 2022, Black men consistently had higher prostate cancer mortality rates than White men. During this 5-year period, mortality rates decreased 3.2% per year among White men, while they increased 2.1% per year among Black men. The prostate cancer mortality rates among Asian/Pacific Islander men and American Indian/Alaska Native men were suppressed from 2018 to 2022, and among Hispanic men from 2018 to 2019 and from 2021 to 2022.

See Appendix F, Table 5.

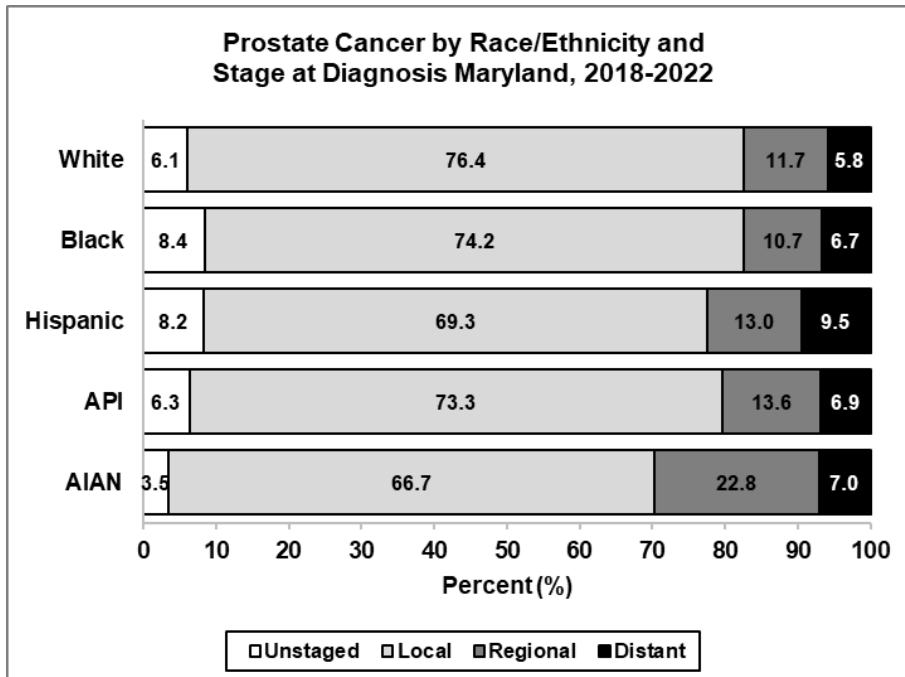


Source: Maryland Cancer Registry

Stage at Diagnosis

Of prostate cancers diagnosed in Maryland in 2022, most (75.7%) were detected at the local stage, 12.9% were found at the regional stage, and 7.4% were diagnosed at the distant stage. In 2022, 4.0% of prostate cancers were reported as unstaged. Unstaged prostate cancer diagnoses decreased 23.8% per year from 2018 to 2022.

See Appendix G, Table 5.



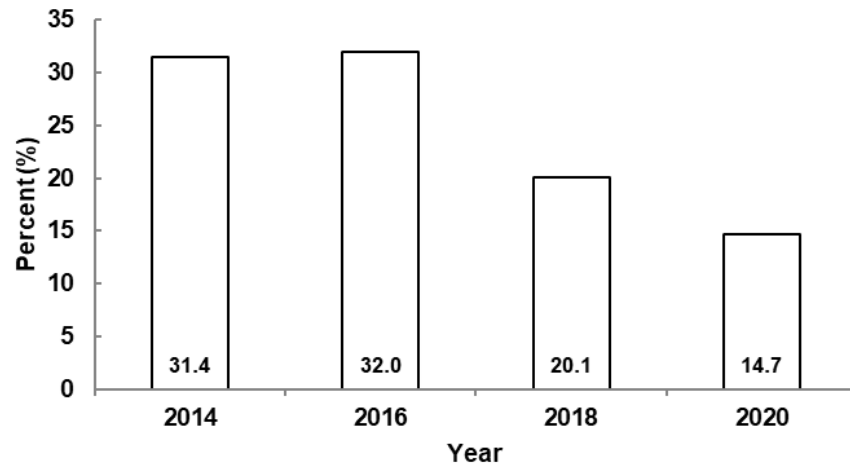
Source: Maryland Cancer Registry

Stage at Diagnosis by Race/Ethnicity

From 2018 to 2022 most prostate cancers were diagnosed at the local stage for all racial groups. American Indian/Alaska Native and Hispanic men in Maryland had the largest proportion of prostate cancers diagnosed at a later stage (regional and distant stage).

See Appendix J, Table 5.

Percentage of Maryland Men Ages 40 and Older Who Have Ever Discussed the Advantages and Disadvantages of Prostate-Specific Antigen (PSA) Testing, 2014-2020



Prostate-Specific Antigen Test

In 2020, only 14.7% of Maryland men ages 40 years and older reported that they had discussed both the advantages and the disadvantages of a PSA test with a healthcare provider.

Source: Maryland Behavioral Risk Factor Surveillance System, 2014, 2016, 2018, 2020

Table 38
Number of Cases for Prostate Cancer by Jurisdiction and Race/Ethnicity, Maryland, 2022

Jurisdiction	Total	Race/Ethnicity				
		White	Black	Hispanic	API	AIAN
Maryland	5,901	3,208	2,286	180	168	18
Allegany	69	59	7	0	<6	0
Anne Arundel	546	396	115	26	6	<6
Baltimore City	521	115	386	<6	<6	8
Baltimore	900	539	334	8	15	<6
Calvert	95	71	22	<6	<6	0
Caroline	28	19	9	0	0	0
Carroll	224	200	18	<6	<6	<6
Cecil	64	53	8	<6	0	0
Charles	199	63	125	<6	<6	<6
Dorchester	37	21	s	<6	0	0
Frederick	249	191	40	9	6	0
Garrett	37	37	0	0	0	0
Harford	243	181	56	0	<6	<6
Howard	297	196	70	8	22	0
Kent	47	39	6	<6	0	0
Montgomery	941	556	208	81	86	<6
Prince George's	872	94	729	28	12	<6
Queen Anne's	54	50	<6	0	0	0
St. Mary's	92	61	29	<6	0	0
Somerset	26	18	s	0	<6	0
Talbot	43	34	9	0	0	0
Washington	100	86	10	<6	<6	0
Wicomico	114	66	s	<6	<6	<6
Worcester	61	43	s	<6	0	0

Total includes cases reported as unknown race/ethnicity and unknown jurisdiction

<6 = Case counts of 1-5 are suppressed per MDH/MCR Data Use Policy

s = Case counts are suppressed to prevent disclosure of data in other cell(s) (See Appendix A for methods)

All race counts, except Hispanic, are non-Hispanic/Latino

Source: Maryland Cancer Registry, SEER*Stat Static data as of January 29, 2025

Table 39
Prostate Cancer Age-Adjusted Incidence Rates* by Jurisdiction and Race/Ethnicity,
Maryland, 2022

Jurisdiction	Total	Race/Ethnicity				
		White	Black	Hispanic	API	AIAN
Maryland	151.0	132.5	221.0	92.1	69.8	143.7
Allegany	140.7	128.7	**	0.0	**	0.0
Anne Arundel	147.2	136.0	213.2	224.3	**	**
Baltimore City	163.2	114.9	191.9	**	**	**
Baltimore	162.5	140.3	263.6	**	**	**
Calvert	152.8	135.0	311.3	**	**	0.0
Caroline	124.9	104.9	**	0.0	0.0	0.0
Carroll	180.3	174.1	478.6	**	**	**
Cecil	85.1	74.3	**	**	0.0	0.0
Charles	201.7	126.9	289.2	**	**	**
Dorchester	135.5	101.6	**	**	0.0	0.0
Frederick	140.8	130.6	291.9	**	**	0.0
Garrett	148.6	151.0	0.0	0.0	0.0	0.0
Harford	133.8	118.8	267.8	0.0	**	**
Howard	143.9	147.2	211.5	**	66.1	0.0
Kent	274.4	271.6	**	**	0.0	0.0
Montgomery	142.6	146.2	213.8	107.7	78.6	**
Prince George's	159.4	102.9	198.9	56.6	**	**
Queen Anne's	128.7	131.6	**	0.0	0.0	0.0
St. Mary's	127.5	106.0	264.1	**	0.0	0.0
Somerset	150.0	140.7	**	0.0	**	0.0
Talbot	117.7	102.7	**	0.0	0.0	0.0
Washington	89.1	85.8	**	**	**	0.0
Wicomico	176.0	143.3	295.4	**	**	**
Worcester	120.0	91.3	385.8	**	0.0	0.0

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

** Rates based on case counts of 1-15 are suppressed per MDH/MCR Data Use Policy and Procedures

All race rates, except Hispanic, are non-Hispanic/Latino

Source: Maryland Cancer Registry, SEER*Stat Static data as of January 29, 2025

Table 40
Number of Deaths for Prostate Cancer by Jurisdiction and Race/Ethnicity, Maryland, 2022

Jurisdiction	Total	Race/Ethnicity				
		White	Black	Hispanic	API	AIAN
Maryland	635	333	278	9	13	<6
Allegany	<6	<6	<6	<6	<6	<6
Anne Arundel	44	31	10	<6	<6	<6
Baltimore City	67	11	54	<6	<6	<6
Baltimore	107	61	44	<6	<6	<6
Calvert	12	8	<6	<6	<6	<6
Caroline	<6	<6	<6	<6	<6	<6
Carroll	18	17	<6	<6	<6	<6
Cecil	13	12	<6	<6	<6	<6
Charles	11	6	<6	<6	<6	<6
Dorchester	<6	<6	<6	<6	<6	<6
Frederick	25	16	s	<6	<6	<6
Garrett	<6	<6	<6	<6	<6	<6
Harford	29	24	<6	<6	<6	<6
Howard	26	17	<6	<6	<6	<6
Kent	<6	<6	<6	<6	<6	<6
Montgomery	84	51	25	<6	<6	<6
Prince George's	121	15	102	<6	<6	<6
Queen Anne's	6	s	<6	<6	<6	<6
St. Mary's	15	13	<6	<6	<6	<6
Somerset	<6	<6	<6	<6	<6	<6
Talbot	6	<6	<6	<6	<6	<6
Washington	13	11	<6	<6	<6	<6
Wicomico	9	8	<6	<6	<6	<6
Worcester	6	s	<6	<6	<6	<6

Total includes deaths reported as unknown race/ethnicity

<6 = Death counts of 0-5 are suppressed per MDH/CCPC Mortality Data Suppression Policy

s = Death counts are suppressed to prevent disclosure of data in other cell(s) (See Appendix A for methods)

All race counts, except Hispanic, are non-Hispanic/Latino

Source: Maryland Department of Health Vital Statistics Administration

Table 41
Prostate Cancer Age-Adjusted Mortality Rates* by Jurisdiction and Race/Ethnicity,
Maryland, 2022

Jurisdiction	Total	Race/Ethnicity				
		White	Black	Hispanic	API	AIAN
Maryland	20.0	15.9	38.9	**	**	**
Allegany	**	**	**	**	**	**
Anne Arundel	14.4	12.5	**	**	**	**
Baltimore City	27.2	**	36.9	**	**	**
Baltimore	22.3	17.1	54.5	**	**	**
Calvert	**	**	**	**	**	**
Caroline	**	**	**	**	**	**
Carroll	**	**	**	**	**	**
Cecil	**	**	**	**	**	**
Charles	**	**	**	**	**	**
Dorchester	**	**	**	**	**	**
Frederick	18.1	**	**	**	**	**
Garrett	**	**	**	**	**	**
Harford	21.3	20.8	**	**	**	**
Howard	15.1	**	**	**	**	**
Kent	**	**	**	**	**	**
Montgomery	14.9	14.3	37.6	**	**	**
Prince George's	29.9	**	37.6	**	**	**
Queen Anne's	**	**	**	**	**	**
St. Mary's	**	**	**	**	**	**
Somerset	**	**	**	**	**	**
Talbot	**	**	**	**	**	**
Washington	**	**	**	**	**	**
Wicomico	**	**	**	**	**	**
Worcester	**	**	**	**	**	**

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

** Rates based on death counts of 0-19 are suppressed per MDH/CCPC Mortality Data Suppression Policy

All race rates, except Hispanic, are non-Hispanic/Latino

Source: Maryland Department of Health Vital Statistics Administration

Table 42
Number of Cases for Prostate Cancer by Jurisdiction and Race/Ethnicity, Maryland, 2018-2022

Jurisdiction	Total	Race/Ethnicity				
		White	Black	Hispanic	API	AIAN
Maryland	26,341	14,548	9,790	733	715	57
Allegany	316	273	25	<6	<6	0
Anne Arundel	2,254	1,651	478	56	44	6
Baltimore City	2,306	537	1,657	29	16	9
Baltimore	3,778	2,315	1,266	52	64	6
Calvert	452	337	106	<6	<6	<6
Caroline	133	106	27	0	0	0
Carroll	899	821	57	<6	<6	<6
Cecil	367	324	35	<6	<6	0
Charles	715	274	410	14	6	<6
Dorchester	180	109	66	<6	<6	0
Frederick	1,006	808	143	30	17	0
Garrett	141	137	0	<6	0	0
Harford	1,030	793	187	6	19	<6
Howard	1,415	884	370	36	99	<6
Kent	149	123	23	<6	0	0
Montgomery	4,042	2,361	950	327	326	11
Prince George's	3,924	487	3,101	131	64	10
Queen Anne's	257	221	32	<6	<6	0
St. Mary's	407	292	105	<6	<6	0
Somerset	105	62	40	<6	<6	0
Talbot	208	182	26	0	0	0
Washington	498	427	60	<6	<6	<6
Wicomico	453	260	175	<6	10	<6
Worcester	313	258	51	<6	<6	0

Total includes cases reported as unknown race/ethnicity and unknown jurisdiction

<6 = Case counts of 1-5 are suppressed per MDH/MCR Data Use Policy

s = Case counts are suppressed to prevent disclosure of data in other cell(s) (See Appendix A for methods)

All race counts, except Hispanic, are non-Hispanic/Latino

Source: Maryland Cancer Registry, SEER*Stat Static data as of January 29, 2025

Table 43
Prostate Cancer Age-Adjusted Incidence Rates* by Jurisdiction and Race/Ethnicity,
Maryland, 2018-2022

Jurisdiction	Total	Race/Ethnicity				
		White	Black	Hispanic	API	AIAN
Maryland	140.9	122.2	199.9	85.6	63.3	97.6
Allegany	124.6	115.0	310.8	**	**	0.0
Anne Arundel	126.7	115.3	193.5	108.8	72.2	**
Baltimore City	147.5	106.9	169.3	76.2	57.7	**
Baltimore	143.2	122.1	213.9	85.9	48.0	**
Calvert	144.5	129.4	268.2	**	**	**
Caroline	115.9	110.9	186.3	0.0	0.0	0.0
Carroll	150.6	145.2	320.9	**	**	**
Cecil	100.8	96.6	174.4	**	**	0.0
Charles	152.8	111.8	210.3	**	**	**
Dorchester	137.6	112.5	217.1	**	**	0.0
Frederick	122.6	115.4	236.9	92.7	51.9	0.0
Garrett	118.7	116.9	0.0	**	0.0	0.0
Harford	119.6	107.7	201.1	**	**	**
Howard	143.8	134.8	248.7	136.2	64.0	**
Kent	166.1	160.0	**	**	**	0.0
Montgomery	127.0	126.1	206.3	97.5	63.9	**
Prince George's	154.3	100.8	177.0	62.4	52.3	**
Queen Anne's	127.8	121.8	**	**	**	**
St. Mary's	121.1	107.7	224.3	**	**	**
Somerset	121.8	99.5	185.4	**	**	0.0
Talbot	122.4	123.2	155.7	**	**	0.0
Washington	94.6	89.4	155.9	**	**	**
Wicomico	145.5	114.0	253.7	**	**	**
Worcester	124.6	114.6	232.8	**	**	0.0

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

** Rates based on case counts of 1-15 are suppressed per MDH/MCR Data Use Policy and Procedures

All race rates, except Hispanic, are non-Hispanic/Latino

Source: Maryland Cancer Registry, SEER*Stat Static data as of January 29, 2025

Table 44
Number of Deaths for Prostate Cancer by Jurisdiction and Race/Ethnicity, Maryland, 2018-2022

Jurisdiction	Total	Race/Ethnicity				
		White	Black	Hispanic	API	AIAN
Maryland	3,010	1,616	1,256	63	63	10
Allegany	38	36	<6	<6	<6	<6
Anne Arundel	253	188	58	<6	<6	<6
Baltimore City	370	55	308	<6	<6	<6
Baltimore	471	300	161	<6	<6	<6
Calvert	47	37	s	<6	<6	<6
Caroline	16	11	<6	<6	<6	<6
Carroll	76	72	<6	<6	<6	<6
Cecil	43	39	<6	<6	<6	<6
Charles	77	36	38	<6	<6	<6
Dorchester	21	13	s	<6	<6	<6
Frederick	116	83	27	<6	<6	<6
Garrett	20	s	<6	<6	<6	<6
Harford	118	91	24	<6	<6	<6
Howard	119	76	29	7	7	<6
Kent	15	11	<6	<6	<6	<6
Montgomery	374	213	106	s	30	<6
Prince George's	509	74	406	14	12	<6
Queen Anne's	23	21	<6	<6	<6	<6
St. Mary's	63	51	9	<6	<6	<6
Somerset	20	s	11	<6	<6	<6
Talbot	39	30	s	<6	<6	<6
Washington	79	72	s	<6	<6	<6
Wicomico	62	42	s	<6	<6	<6
Worcester	41	36	<6	<6	<6	<6

Total includes deaths reported as unknown race/ethnicity

<6 = Death counts of 0-5 are suppressed per MDH/CCPC Mortality Data Suppression Policy

s = Death counts are suppressed to prevent disclosure of data in other cell(s) (See Appendix A for methods)

All race counts, except Hispanic, are non-Hispanic/Latino

Source: Maryland Department of Health Vital Statistics Administration

Table 45
Prostate Cancer Age-Adjusted Mortality Rates* by Jurisdiction and Race/Ethnicity,
Maryland, 2018-2022

Jurisdiction	Total	Race/Ethnicity				
		White	Black	Hispanic	API	AIAN
Maryland	19.8	16.0	37.2	11.2	6.8	**
Allegany	16.9	16.9	**	**	**	**
Anne Arundel	18.2	16.6	36.8	**	**	**
Baltimore City	29.4	13.4	41.0	**	**	**
Baltimore	20.4	16.9	42.5	**	**	**
Calvert	20.5	19.6	**	**	**	**
Caroline	**	**	**	**	**	**
Carroll	16.7	16.9	**	**	**	**
Cecil	14.8	15.0	**	**	**	**
Charles	23.9	18.5	38.1	**	**	**
Dorchester	18.3	**	**	**	**	**
Frederick	18.8	15.7	78.9	**	**	**
Garrett	18.3	19.0	**	**	**	**
Harford	17.8	16.1	43.5	**	**	**
Howard	15.6	15.1	28.2	**	**	**
Kent	**	**	**	**	**	**
Montgomery	13.4	12.4	32.2	10.6	6.8	**
Prince George's	27.5	17.0	33.7	**	**	**
Queen Anne's	14.4	14.8	**	**	**	**
St. Mary's	24.3	24.5	**	**	**	**
Somerset	29.8	**	**	**	**	**
Talbot	19.8	17.3	**	**	**	**
Washington	17.7	17.5	**	**	**	**
Wicomico	24.4	22.4	42.0	**	**	**
Worcester	16.8	16.7	**	**	**	**

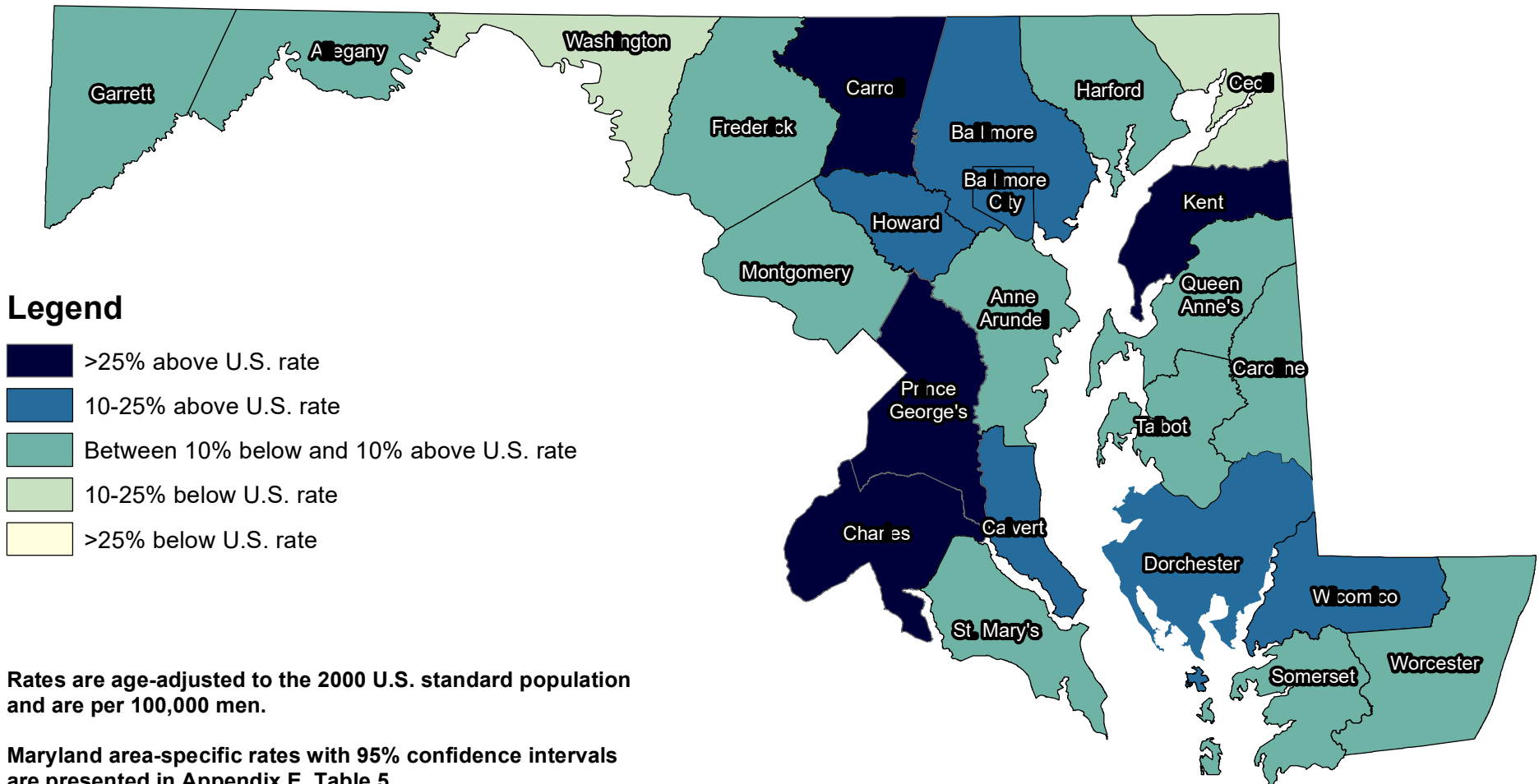
* Rates are per 100,000 women and age-adjusted to 2000 U.S. standard population

** Rates based on death counts of 0-19 are suppressed per MDH/CCPC Mortality Data Suppression Policy

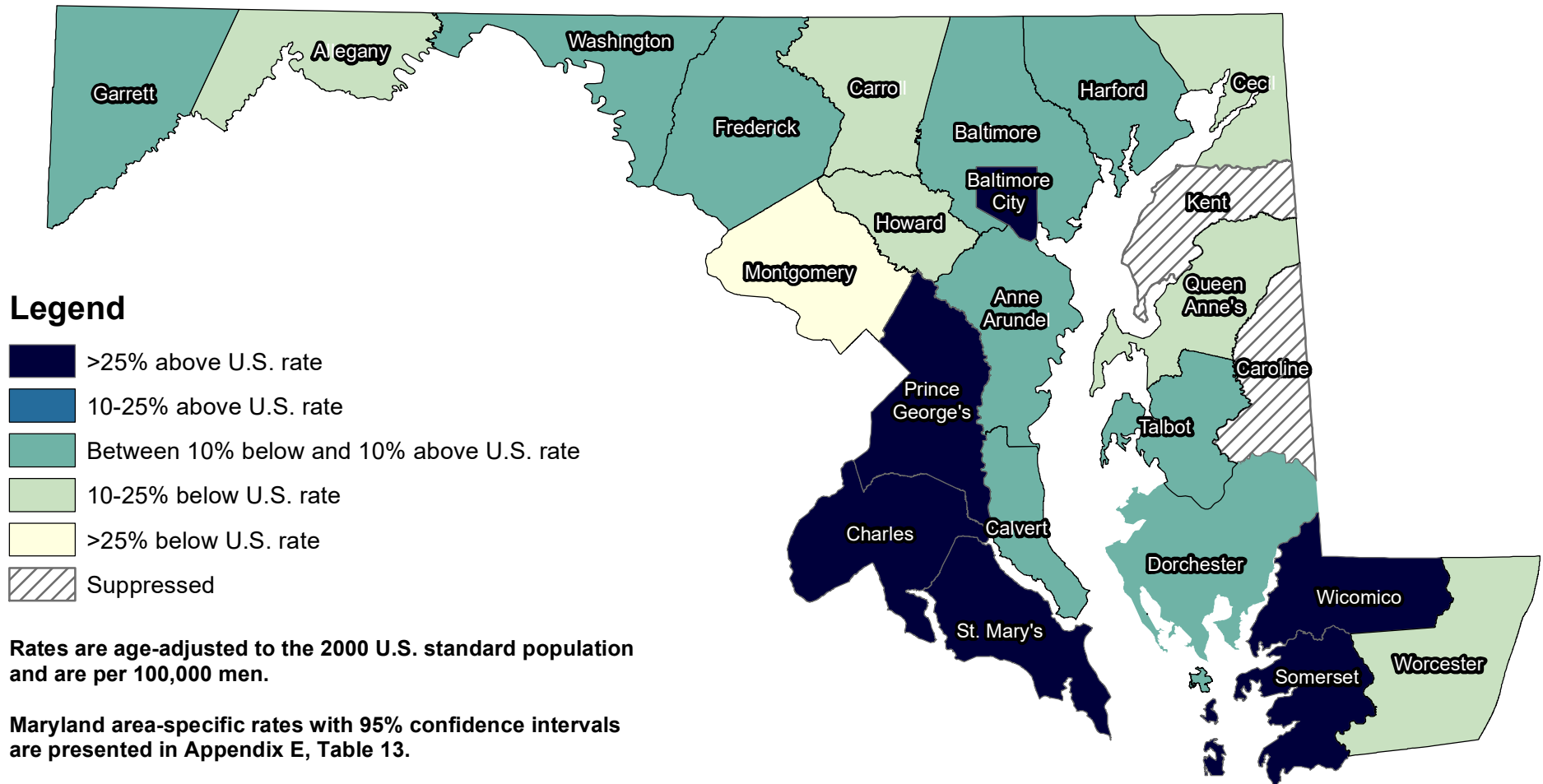
All race rates, except Hispanic, are non-Hispanic/Latino

Source: Maryland Department of Health Vital Statistics Administration

Maryland Prostate Cancer Incidence Rates by Geographical Area: Comparison to U.S. Rate, 2018-2022



Maryland Prostate Cancer Mortality Rates by Geographical Area: Comparison to U.S. Rate, 2018-2022



Sources: Maryland Department of Health Vital Statistics Administration
U.S. SEER, Cancer Statistics Review

Note: Rates based on case counts of 0-19 are suppressed per MDH/CCPC Data Use Policy and Procedures.

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E. Oral Cancer

Incidence (New Cases)

In 2022, a total of 786 cases of cancer of the oral cavity and pharynx (collectively called oral cancer) were reported in Maryland. The age-adjusted incidence rate for oral cancer in Maryland in 2022 was 9.8 per 100,000 population, which is statistically significantly lower than the 2022 U.S. SEER age-adjusted oral cancer incidence rate of 11.7 per 100,000 population.

In Maryland, White Marylanders had the highest oral cancer incidence rate at 12.0 per 100,000; this is statistically significantly higher than all other racial/ethnic groups. There are no statistically significant differences in the oral cancer incidence rates for Hispanic, Asian/Pacific Islander, and Black individuals in Maryland in 2022. The 2022 oral cancer incidence rate for American Indian/Alaska Native Marylanders is not reportable. For Maryland and U.S. 2022 incidence rates and 95% confidence intervals by race and ethnicity, see Appendix I, Table 1.

Mortality (Deaths)

In 2022, 203 persons in Maryland died of oral cancer. The 2022 age-adjusted mortality rate for oral cancer in Maryland was 2.5 per 100,000 population, accounting for 1.9% of Maryland cancer deaths in 2022. This rate is statistically similar to the 2022 U.S. oral cancer mortality rate of 2.7 per 100,000 population. Maryland had the 34th highest oral cancer mortality rate among the states and the District of Columbia in 2022.

In Maryland, White and Black individuals had statistically similar oral cancer mortality rates in 2022, at 2.7 per 100,000 and 2.6 per 100,000 respectively. Oral cancer mortality rates in 2022 for Hispanic, Asian/Pacific Islander, and American Indian/Alaska Native Marylanders are not reportable. For Maryland and U.S. 2022 mortality rates and 95% confidence intervals by race and ethnicity, see Appendix I, Table 2.

Table 46
Oral Cancer Incidence and Mortality Rates
by Gender and Race/Ethnicity, Maryland and the United States, 2022

<i>Incidence 2022</i>	<i>Total*</i>	<i>Male</i>	<i>Female</i>	<i>White</i>	<i>Black</i>	<i>Hispanic</i>	<i>API</i>	<i>AIAN</i>
MD New Cases (count)	786	552	234	564	155	18	42	<6
MD Incidence Rate	9.8	15.1	5.5	12.0	7.0	3.8	7.9	**
U.S. SEER Rate	11.7	17.3	6.8	14.1	8.6	6.8	8.3	13.5
<i>Mortality 2022</i>	<i>Total*</i>	<i>Male</i>	<i>Female</i>	<i>White</i>	<i>Black</i>	<i>Hispanic</i>	<i>API</i>	<i>AIAN</i>
MD Deaths (count)	203	149	54	130	56	7	9	<6
MD Mortality Rate	2.5	4.3	1.2	2.7	2.6	**	**	**
U.S. Mortality Rate	2.7	4.2	1.5	3.0	2.6	1.5	2.2	2.7

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

All race rates and counts, except Hispanic, are non-Hispanic/Latino

* Total includes unknown race/ethnicity and unknown jurisdiction

<6 = Death counts of 0-5 are suppressed per MDH/CCPC Mortality Data Suppression Policy, Case counts of 1-5 are suppressed per MDH/MCR Data Use Policy

** MD incidence rates based on case counts of 1-15 are suppressed per MDH/MCR Data Use Policy and Procedures; MD mortality rates based on death counts of 0-19 are suppressed per MDH/CCPC Mortality Data Suppression Policy

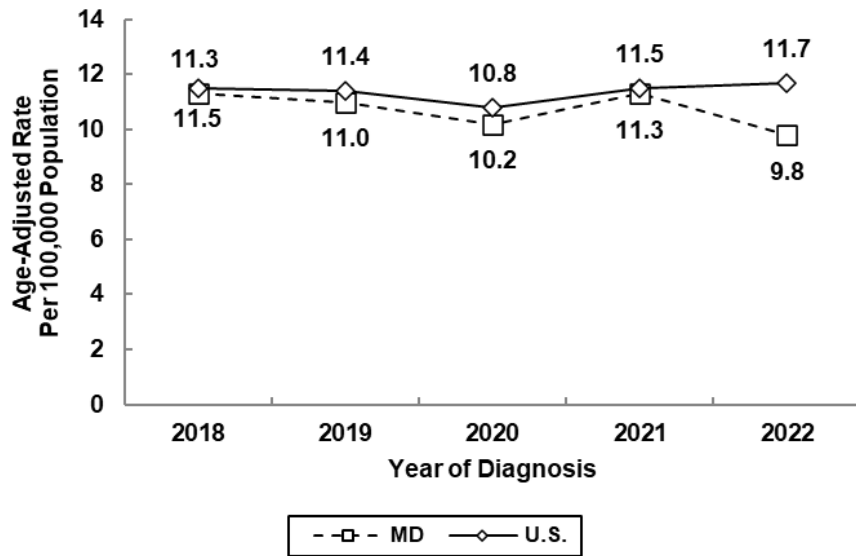
Source: Maryland Cancer Registry

U.S. SEER, SEER*Stat

Maryland Department of Health Vital Statistics Administration

U.S. SEER, Cancer Statistics Review

Oral Cancer Incidence by Year of Diagnosis, Maryland and U.S., 2018-2022



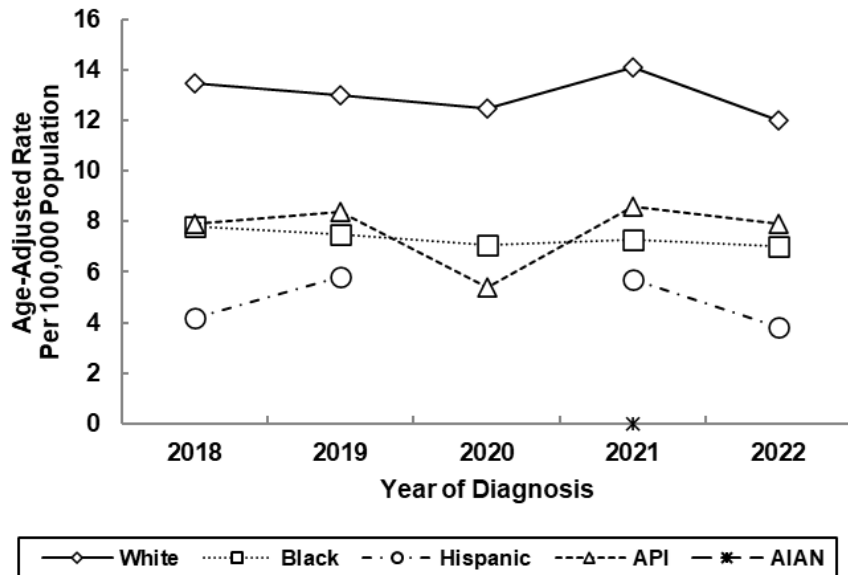
Source: Maryland Cancer Registry
U.S. SEER, SEER*Stat

Maryland vs. U.S., Incidence Rates

From 2018 to 2022, the incidence of oral cancer in Maryland decreased at a rate of 2.5% per year while in the U.S. it increased 0.4% per year.

See Appendix F, Table 1.

Oral Cancer Incidence by Race/Ethnicity Maryland, 2018-2022

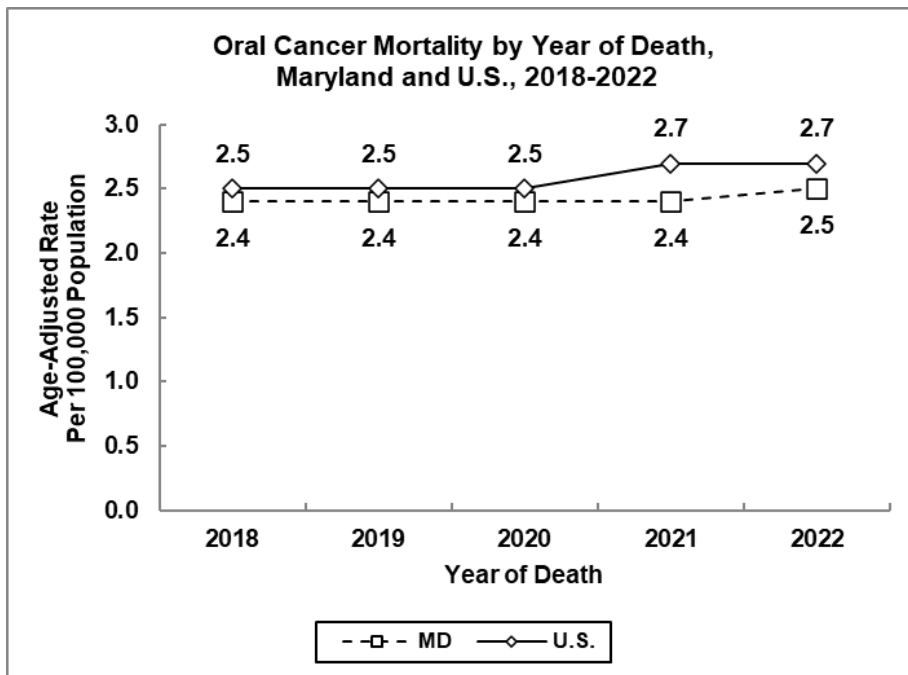


Source: Maryland Cancer Registry

Incidence Trends by Race/Ethnicity

Over the 5-year period from 2018 to 2022, White individuals had consistently higher oral cancer incidence rates than all other racial groups in Maryland. From 2018 to 2022, oral cancer incidence rates in Maryland decreased at a rate of 1.5% per year for White individuals and 2.4% per year for Black individuals, while they increased 0.2% per year for Asian/Pacific Islander individuals. Oral cancer incidence rates were suppressed for American Indian/Alaska Native Marylanders from 2018 to 2020 and in 2022, and for Hispanic Marylanders in 2020.

See Appendix F, Table 3.

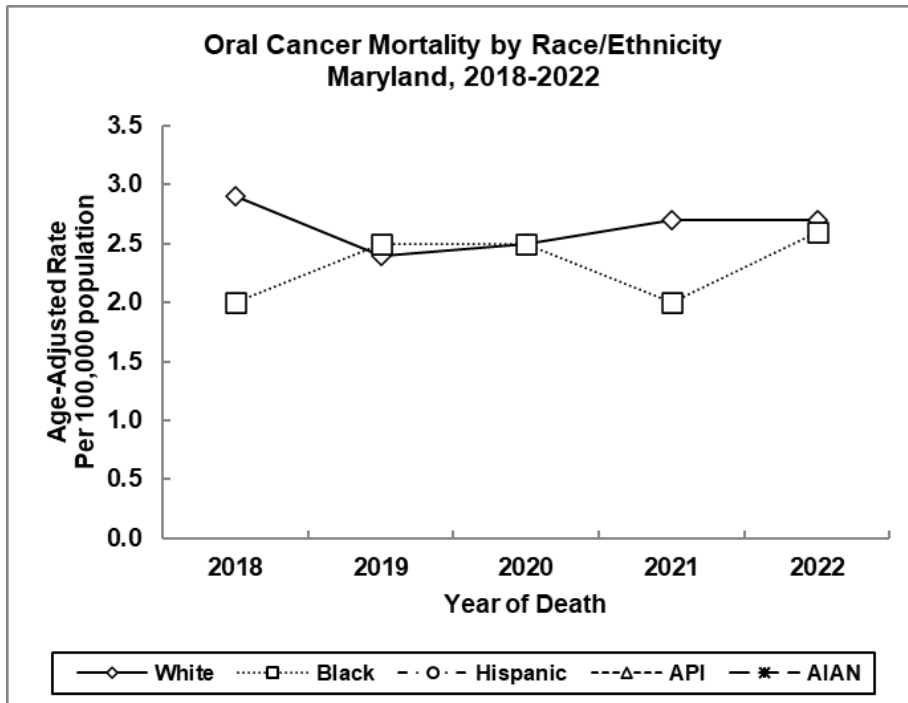


Source: Maryland Department of Health Vital Statistics Administration, 2021-2022 (MD)
NCHS Underlying Cause of Death in CDC WONDER, 2018-2020
SEER Mortality All Cause of Death Data (U.S.)

Maryland vs. U.S., Mortality Rates

Over the 5-year period from 2018 to 2022, oral cancer mortality rates in the U.S. were slightly higher than in Maryland. From 2018 to 2022, oral cancer mortality rates increased 0.8% per year in Maryland and 1.6% per year in the U.S.

See Appendix F, Table 2.

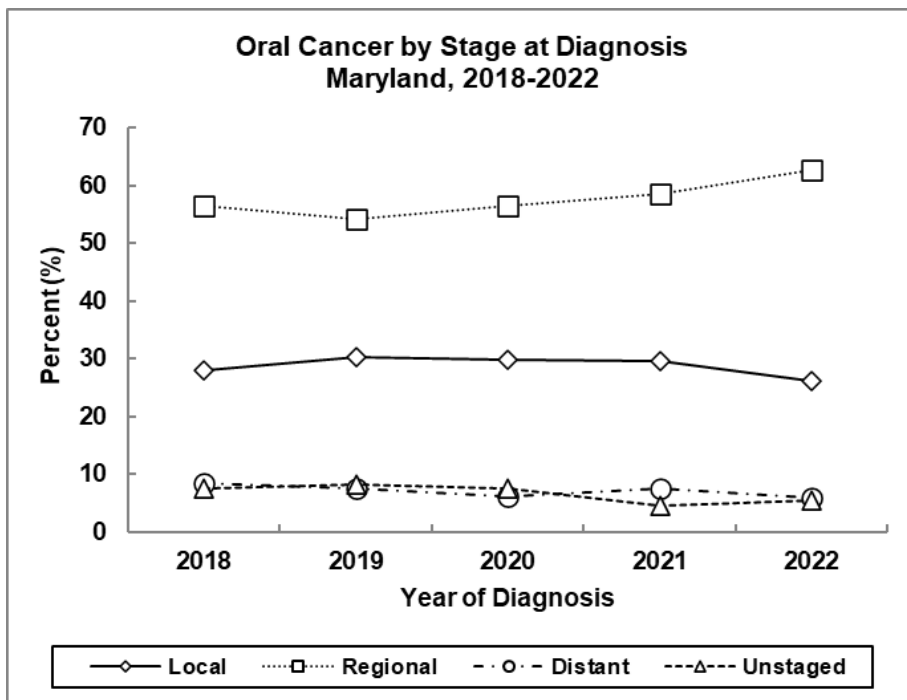


Source: Maryland Department of Health Vital Statistics Administration

Mortality Trends by Race/Ethnicity

From 2018 to 2022, oral cancer mortality rates decreased at a rate of 0.3% per year for White Marylanders and increased 3.1% per year for Black Marylanders. The mortality rates for Hispanic, Asian/Pacific Islander, and American Indian/Alaska Native Marylanders were suppressed from 2018 to 2022.

See Appendix F, Table 5.

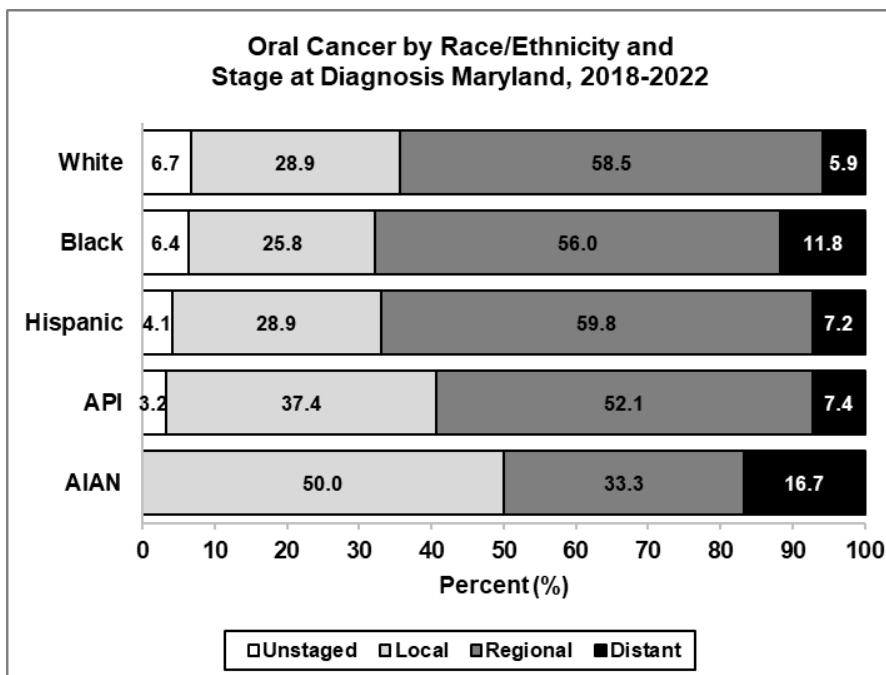


Source: Maryland Cancer Registry

Stage at Diagnosis

In 2022, 26.1% of oral cancers in Maryland were diagnosed at the local stage, 62.6% were diagnosed at the regional stage, and 5.9% were diagnosed at the distant stage. In 2022, 5.5% of oral cancers were reported as unstaged. From 2018 to 2022, the proportion of oral cancers reported as unstaged decreased at a rate of 11.5% per year.

See Appendix G, Table 6.

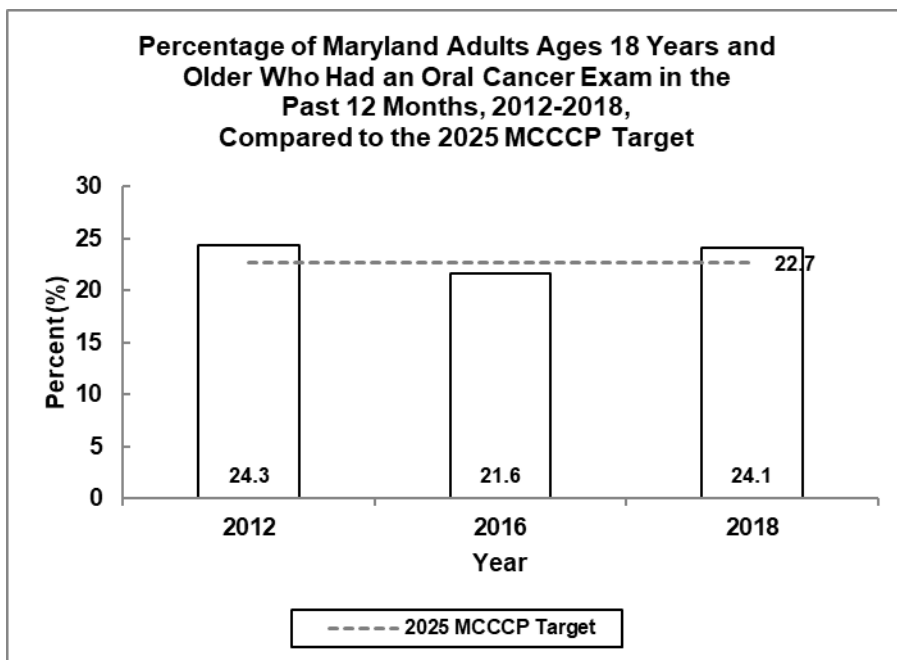


Source: Maryland Cancer Registry

Stage at Diagnosis by Race/Ethnicity

From 2018 to 2022, most oral cancers in Maryland were diagnosed at the regional stage for all racial groups. American Indian/Alaska Native Marylanders had the highest proportion of cases diagnosed at the distant stage (16.7%), while Black Marylanders had the lowest proportion of cases diagnosed at the local stage (25.8%).

See Appendix J, Table 6.



Oral Cancer Screening

Although there is no current Healthy People 2030 target for oral cancer screening, the 2025 MCCCCP target was to increase the proportion of adults ages 18 years and older who report having an oral cancer screening examination in the past 12 months to 22.7%. In 2018, 24.1% of Maryland adults reported that they had an oral cancer exam in the past year, surpassing the 2025 MCCCCP target.

Source: Maryland Behavioral Risk Factor Surveillance System, 2012, 2016, 2018
Maryland Comprehensive Cancer Control Plan, 2021-2025

Table 47
Number of Cases for Oral Cancer by Jurisdiction, Gender, and Race/Ethnicity, Maryland, 2022

Jurisdiction	Total	Gender		Race/Ethnicity				
		Male	Female	White	Black	Hispanic	API	AIAN
Maryland	786	552	234	564	155	18	42	<6
Allegany	11	6	<6	11	0	0	0	0
Anne Arundel	88	67	21	72	7	6	<6	0
Baltimore City	74	47	27	35	37	<6	0	0
Baltimore	133	103	30	98	24	<6	7	<6
Calvert	19	11	8	18	0	0	0	0
Caroline	<6	<6	<6	<6	0	0	<6	0
Carroll	28	19	9	27	0	0	0	0
Cecil	18	13	<6	18	0	0	0	0
Charles	19	14	<6	8	11	0	0	0
Dorchester	<6	<6	<6	<6	<6	0	0	0
Frederick	42	29	13	35	<6	0	<6	0
Garrett	<6	<6	<6	<6	0	0	0	0
Harford	32	22	10	s	<6	0	0	0
Howard	31	23	8	18	6	0	7	0
Kent	<6	<6	0	<6	0	0	0	0
Montgomery	114	74	40	78	10	<6	20	0
Prince George's	70	44	26	21	43	<6	<6	0
Queen Anne's	10	7	<6	s	<6	0	0	0
St. Mary's	14	11	<6	11	<6	0	0	0
Somerset	<6	<6	<6	<6	0	0	0	0
Talbot	8	<6	<6	s	<6	0	0	0
Washington	26	21	<6	24	<6	0	0	0
Wicomico	16	12	<6	s	<6	0	0	0
Worcester	13	11	<6	11	<6	0	0	0

Total includes cases reported as transsexual, hermaphrodite, unknown gender, unknown race/ethnicity, and unknown jurisdiction

<6 = Case counts of 1-5 are suppressed per MDH/MCR Data Use Policy

s = Case counts are suppressed to prevent disclosure of data in other cell(s) (See Appendix A for methods)

All race counts, except Hispanic, are non-Hispanic/Latino

Source: Maryland Cancer Registry, SEER*Stat Static data as of January 29, 2025

Table 48
Oral Cancer Age-Adjusted Incidence Rates* by Jurisdiction, Gender, and Race/Ethnicity,
Maryland, 2022

Jurisdiction	Total	Gender		Race/Ethnicity				
		Male	Female	White	Black	Hispanic	API	AIAN
Maryland	9.8	15.1	5.5	12.0	7.0	3.8	7.9	**
Allegany	**	**	**	**	0.0	0.0	0.0	0.0
Anne Arundel	11.8	19.3	5.4	12.8	**	**	**	0.0
Baltimore City	11.3	17.2	6.7	17.9	8.6	**	0.0	0.0
Baltimore	11.8	20.3	4.9	12.9	8.7	**	**	**
Calvert	14.2	**	**	16.8	0.0	0.0	0.0	0.0
Caroline	**	**	**	**	0.0	0.0	**	0.0
Carroll	9.9	14.0	**	10.4	0.0	0.0	0.0	0.0
Cecil	12.9	**	**	14.5	0.0	0.0	0.0	0.0
Charles	9.9	**	**	**	**	0.0	0.0	0.0
Dorchester	**	**	**	**	**	0.0	0.0	0.0
Frederick	11.8	17.1	**	12.5	**	0.0	**	0.0
Garrett	**	**	**	**	0.0	0.0	0.0	0.0
Harford	9.4	12.1	**	11.3	**	0.0	0.0	0.0
Howard	7.3	11.2	**	7.5	**	0.0	**	0.0
Kent	**	**	0.0	**	0.0	0.0	0.0	0.0
Montgomery	8.3	11.7	5.6	10.7	**	**	8.6	0.0
Prince George's	6.1	9.3	4.0	11.0	5.6	**	**	0.0
Queen Anne's	**	**	**	**	**	0.0	0.0	0.0
St. Mary's	**	**	**	**	**	0.0	0.0	0.0
Somerset	**	**	**	**	0.0	0.0	0.0	0.0
Talbot	**	**	**	**	**	0.0	0.0	0.0
Washington	12.8	22.0	**	13.6	**	0.0	0.0	0.0
Wicomico	11.7	**	**	**	**	0.0	0.0	0.0
Worcester	**	**	**	**	**	0.0	0.0	0.0

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

** Rates based on case counts of 1-15 are suppressed per MDH/MCR Data Use Policy and Procedures

All race rates, except Hispanic, are non-Hispanic/Latino

Source: Maryland Cancer Registry, SEER*Stat Static data as of January 29, 2025

Table 49
Number of Deaths for Oral Cancer by Jurisdiction, Gender, and Race/Ethnicity,
Maryland, 2022

Jurisdiction	Total	Gender		Race/Ethnicity				
		Male	Female	White	Black	Hispanic	API	AIAN
Maryland	203	149	54	130	56	7	9	<6
Allegany	<6	<6	<6	<6	<6	<6	<6	<6
Anne Arundel	22	17	<6	20	<6	<6	<6	<6
Baltimore City	28	19	9	s	17	<6	<6	<6
Baltimore	25	19	6	17	<6	<6	<6	<6
Calvert	<6	<6	<6	<6	<6	<6	<6	<6
Caroline	<6	<6	<6	<6	<6	<6	<6	<6
Carroll	<6	<6	<6	<6	<6	<6	<6	<6
Cecil	<6	<6	<6	<6	<6	<6	<6	<6
Charles	<6	<6	<6	<6	<6	<6	<6	<6
Dorchester	<6	<6	<6	<6	<6	<6	<6	<6
Frederick	9	8	<6	7	<6	<6	<6	<6
Garrett	<6	<6	<6	<6	<6	<6	<6	<6
Harford	<6	<6	<6	<6	<6	<6	<6	<6
Howard	13	10	<6	10	<6	<6	<6	<6
Kent	<6	<6	<6	<6	<6	<6	<6	<6
Montgomery	22	13	9	10	6	<6	<6	<6
Prince George's	22	19	<6	<6	18	<6	<6	<6
Queen Anne's	<6	<6	<6	<6	<6	<6	<6	<6
St. Mary's	7	<6	<6	s	<6	<6	<6	<6
Somerset	<6	<6	<6	<6	<6	<6	<6	<6
Talbot	<6	<6	<6	<6	<6	<6	<6	<6
Washington	10	6	<6	8	<6	<6	<6	<6
Wicomico	<6	<6	<6	<6	<6	<6	<6	<6
Worcester	<6	<6	<6	<6	<6	<6	<6	<6

Total includes deaths reported as unknown race/ethnicity

<6 = Death counts of 0-5 are suppressed per MDH/CCPC Mortality Data Suppression Policy

s = Death counts are suppressed to prevent disclosure of data in other cell(s) (See Appendix A for methods)

All race counts, except Hispanic, are non-Hispanic/Latino

Source: Maryland Department of Health Vital Statistics Administration

Table 50
Oral Cancer Age-Adjusted Mortality Rates* by Jurisdiction, Gender, and Race/Ethnicity,
Maryland, 2022

Jurisdiction	Total	Gender		Race/Ethnicity				
		Male	Female	White	Black	Hispanic	API	AIAN
Maryland	2.5	4.3	1.2	2.7	2.6	**	**	**
Allegany	**	**	**	**	**	**	**	**
Anne Arundel	2.8	**	**	3.2	**	**	**	**
Baltimore City	4.3	**	**	**	**	**	**	**
Baltimore	2.1	**	**	**	**	**	**	**
Calvert	**	**	**	**	**	**	**	**
Caroline	**	**	**	**	**	**	**	**
Carroll	**	**	**	**	**	**	**	**
Cecil	**	**	**	**	**	**	**	**
Charles	**	**	**	**	**	**	**	**
Dorchester	**	**	**	**	**	**	**	**
Frederick	**	**	**	**	**	**	**	**
Garrett	**	**	**	**	**	**	**	**
Harford	**	**	**	**	**	**	**	**
Howard	**	**	**	**	**	**	**	**
Kent	**	**	**	**	**	**	**	**
Montgomery	**	**	**	**	**	**	**	**
Prince George's	**	**	**	**	**	**	**	**
Queen Anne's	**	**	**	**	**	**	**	**
St. Mary's	**	**	**	**	**	**	**	**
Somerset	**	**	**	**	**	**	**	**
Talbot	**	**	**	**	**	**	**	**
Washington	**	**	**	**	**	**	**	**
Wicomico	**	**	**	**	**	**	**	**
Worcester	**	**	**	**	**	**	**	**

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

** Rates based on death counts of 0-19 are suppressed per MDH/CCPC Mortality Data Suppression Policy

All race rates, except Hispanic, are non-Hispanic/Latino

Source: Maryland Department of Health Vital Statistics Administration

Table 51
Number of Cases for Oral Cancer by Jurisdiction, Gender, and Race/Ethnicity, Maryland, 2018-2022

Jurisdiction	Total	Gender		Race/Ethnicity				
		Male	Female	White	Black	Hispanic	API	AIAN
Maryland	4,139	2,937	1,201	3,022	787	97	190	6
Allegany	78	47	31	75	<6	0	0	0
Anne Arundel	450	335	115	384	38	12	13	<6
Baltimore City	347	229	118	136	201	<6	<6	0
Baltimore	668	473	195	512	109	9	30	<6
Calvert	85	61	24	78	<6	0	<6	0
Caroline	24	20	<6	20	<6	0	<6	0
Carroll	154	109	45	146	<6	0	<6	0
Cecil	92	70	22	89	<6	0	<6	0
Charles	111	82	29	68	40	0	<6	0
Dorchester	31	25	6	26	<6	0	0	0
Frederick	211	152	59	184	12	<6	9	0
Garrett	26	18	8	26	0	0	0	0
Harford	191	139	52	174	10	<6	<6	0
Howard	165	116	49	116	19	<6	27	0
Kent	22	15	7	19	<6	0	0	0
Montgomery	549	360	188	365	63	41	72	<6
Prince George's	411	286	125	132	235	22	17	<6
Queen Anne's	48	38	10	46	<6	0	0	0
St. Mary's	77	57	20	64	11	<6	0	0
Somerset	25	16	9	23	<6	0	0	0
Talbot	39	26	13	s	<6	0	0	0
Washington	163	128	35	150	s	0	<6	<6
Wicomico	104	81	23	94	7	<6	<6	0
Worcester	57	44	13	51	<6	0	<6	0

Total includes cases reported as transsexual, hermaphrodite, unknown gender, unknown race/ethnicity, and unknown jurisdiction

<6 = Case counts of 1-5 are suppressed per MDH/MCR Data Use Policy

s = Case counts are suppressed to prevent disclosure of data in other cell(s) (See Appendix A for methods)

All race counts, except Hispanic, are non-Hispanic/Latino

Source: Maryland Cancer Registry, SEER*Stat Static data as of January 29, 2025

Table 52
Oral Cancer Age-Adjusted Incidence Rates* by Jurisdiction, Gender, and Race/Ethnicity,
Maryland, 2018-2022

Jurisdiction	Total	Gender		Race/Ethnicity				
		Male	Female	White	Black	Hispanic	API	AIAN
Maryland	10.7	16.5	5.9	13.0	7.3	4.6	7.7	**
Allegany	15.5	19.4	11.7	15.6	**	0.0	0.0	0.0
Anne Arundel	12.4	19.5	6.1	13.7	7.2	**	**	**
Baltimore City	10.4	15.9	6.1	13.6	9.3	**	**	0.0
Baltimore	12.2	18.9	6.6	13.7	8.3	**	9.9	**
Calvert	12.9	19.3	7.1	14.3	**	0.0	**	0.0
Caroline	10.4	18.2	**	10.6	**	0.0	**	0.0
Carroll	12.3	18.0	6.9	12.3	**	0.0	**	0.0
Cecil	13.3	20.9	6.3	14.2	**	0.0	**	0.0
Charles	11.4	18.6	5.8	13.9	9.1	0.0	**	0.0
Dorchester	11.3	18.5	**	13.5	**	0.0	0.0	0.0
Frederick	12.6	19.0	6.7	13.3	**	**	**	0.0
Garrett	11.3	15.1	**	11.6	0.0	0.0	0.0	0.0
Harford	11.2	17.2	6.0	12.3	**	**	**	0.0
Howard	8.2	12.2	4.7	9.3	5.7	**	7.8	0.0
Kent	14.6	**	**	16.0	**	0.0	0.0	0.0
Montgomery	8.3	11.9	5.2	10.0	5.9	4.9	6.7	**
Prince George's	7.7	12.5	4.3	14.4	6.3	4.6	7.4	**
Queen Anne's	12.1	19.5	**	13.1	**	0.0	0.0	0.0
St. Mary's	11.5	17.2	6.1	12.4	**	**	0.0	0.0
Somerset	14.9	20.9	**	20.1	**	0.0	0.0	0.0
Talbot	10.8	15.7	**	12.1	**	0.0	0.0	0.0
Washington	16.0	25.8	7.1	16.7	**	0.0	**	**
Wicomico	16.5	28.6	6.4	20.7	**	**	**	0.0
Worcester	12.2	19.8	**	12.9	**	0.0	**	0.0

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

** Rates based on case counts of 1-15 are suppressed per MDH/MCR Data Use Policy and Procedures

All race rates, except Hispanic, are non-Hispanic/Latino

Source: Maryland Cancer Registry, SEER*Stat Static data as of January 29, 2025

Table 53
Number of Deaths for Oral Cancer by Jurisdiction, Gender, and Race/Ethnicity,
Maryland, 2018-2022

Jurisdiction	Total	Gender		Race/Ethnicity				
		Male	Female	White	Black	Hispanic	API	AIAN
Maryland	943	691	252	632	243	19	46	<6
Allegany	18	12	6	s	<6	<6	<6	<6
Anne Arundel	98	73	25	77	15	<6	<6	<6
Baltimore City	129	90	39	47	81	<6	<6	<6
Baltimore	142	106	36	106	30	<6	<6	<6
Calvert	14	9	<6	s	<6	<6	<6	<6
Caroline	10	6	<6	8	<6	<6	<6	<6
Carroll	29	20	9	27	<6	<6	<6	<6
Cecil	17	12	<6	s	<6	<6	<6	<6
Charles	25	22	<6	13	11	<6	<6	<6
Dorchester	10	6	<6	9	<6	<6	<6	<6
Frederick	32	23	9	28	<6	<6	<6	<6
Garrett	9	8	<6	s	<6	<6	<6	<6
Harford	39	31	8	35	<6	<6	<6	<6
Howard	34	24	10	25	<6	<6	<6	<6
Kent	<6	<6	<6	<6	<6	<6	<6	<6
Montgomery	108	72	36	62	17	s	23	<6
Prince George's	104	83	21	27	68	<6	6	<6
Queen Anne's	13	9	<6	11	<6	<6	<6	<6
St. Mary's	19	12	7	16	<6	<6	<6	<6
Somerset	6	<6	<6	s	<6	<6	<6	<6
Talbot	9	s	<6	s	<6	<6	<6	<6
Washington	40	28	12	35	<6	<6	<6	<6
Wicomico	24	20	<6	21	<6	<6	<6	<6
Worcester	12	10	<6	s	<6	<6	<6	<6

Total includes deaths reported as unknown race/ethnicity

<6 = Death counts of 0-5 are suppressed per MDH/CCPC Mortality Data Suppression Policy

s = Death counts are suppressed to prevent disclosure of data in other cell(s) (See Appendix A for methods)

All race counts, except Hispanic, are non-Hispanic/Latino

Source: Maryland Department of Health Vital Statistics Administration

Table 54
Oral Cancer Age-Adjusted Mortality Rates* by Jurisdiction, Gender, and Race/Ethnicity,
Maryland, 2018-2022

Jurisdiction	Total	Gender		Race/Ethnicity				
		Male	Female	White	Black	Hispanic	API	AIAN
Maryland	2.5	4.1	1.2	2.6	2.3	**	1.9	**
Allegany	**	**	**	**	**	**	**	**
Anne Arundel	2.7	4.5	1.2	2.7	**	**	**	**
Baltimore City	3.8	6.4	2.0	4.7	3.7	**	**	**
Baltimore	2.5	4.2	1.1	2.6	2.3	**	**	**
Calvert	**	**	**	**	**	**	**	**
Caroline	**	**	**	**	**	**	**	**
Carroll	2.5	3.9	**	2.5	**	**	**	**
Cecil	**	**	**	**	**	**	**	**
Charles	2.9	5.5	**	**	**	**	**	**
Dorchester	**	**	**	**	**	**	**	**
Frederick	2.0	3.0	**	2.1	**	**	**	**
Garrett	**	**	**	**	**	**	**	**
Harford	2.4	4.5	**	2.4	**	**	**	**
Howard	1.8	2.7	**	2.0	**	**	**	**
Kent	**	**	**	**	**	**	**	**
Montgomery	1.6	2.5	0.9	1.6	**	**	2.2	**
Prince George's	2.1	3.9	0.7	2.6	1.9	**	**	**
Queen Anne's	**	**	**	**	**	**	**	**
St. Mary's	**	**	**	**	**	**	**	**
Somerset	**	**	**	**	**	**	**	**
Talbot	**	**	**	**	**	**	**	**
Washington	3.8	5.8	**	3.6	**	**	**	**
Wicomico	3.7	6.7	**	4.4	**	**	**	**
Worcester	**	**	**	**	**	**	**	**

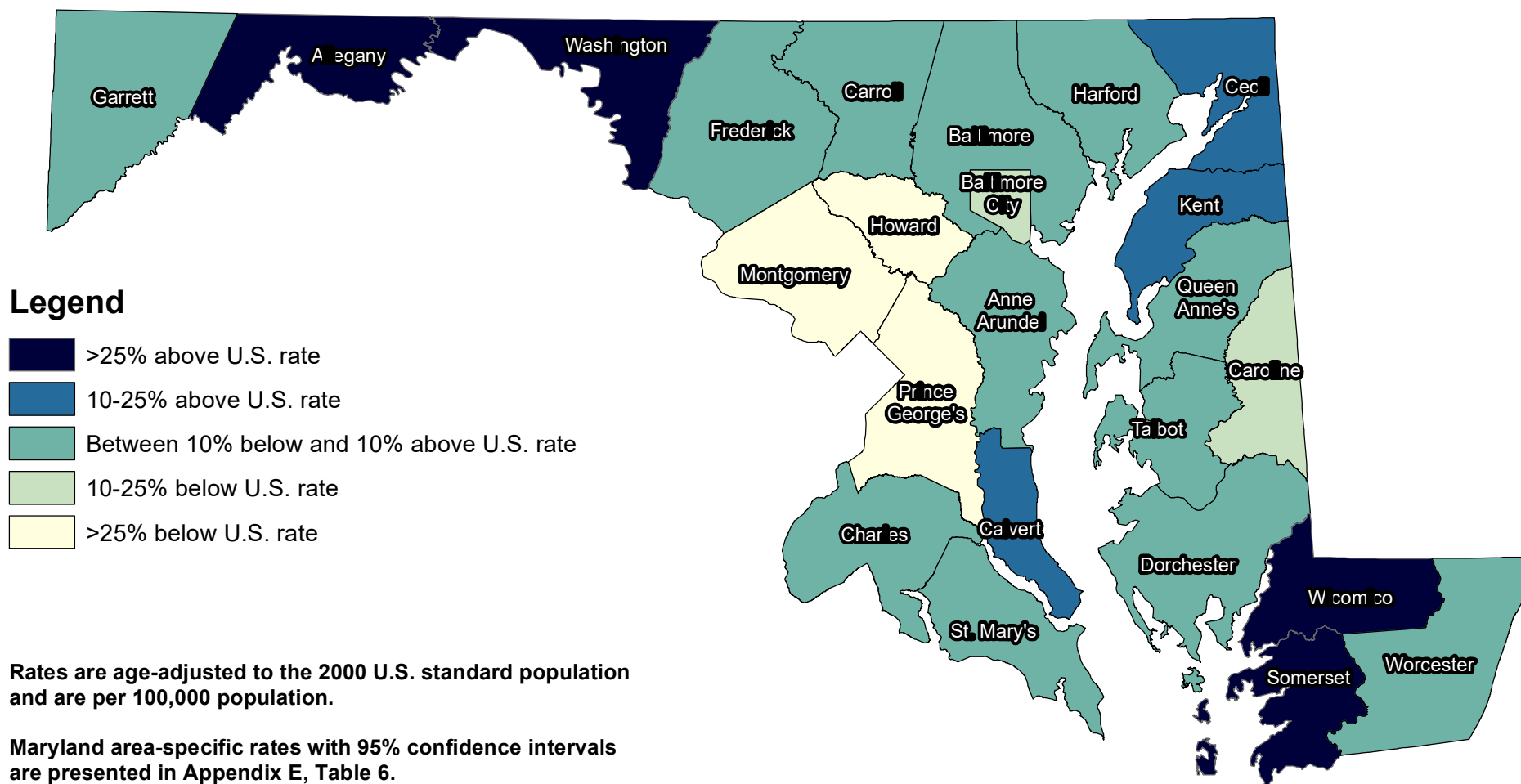
* Rates are per 100,000 population and age-adjusted to 2000 U.S. standard population

** Rates based on death counts of 0-19 are suppressed per MDH/CCPC Mortality Data Suppression Policy

All race rates, except Hispanic, are non-Hispanic/Latino

Source: Maryland Department of Health Vital Statistics Administration

Maryland Oral Cancer Incidence Rates by Geographical Area: Comparison to U.S. Rate, 2018-2022

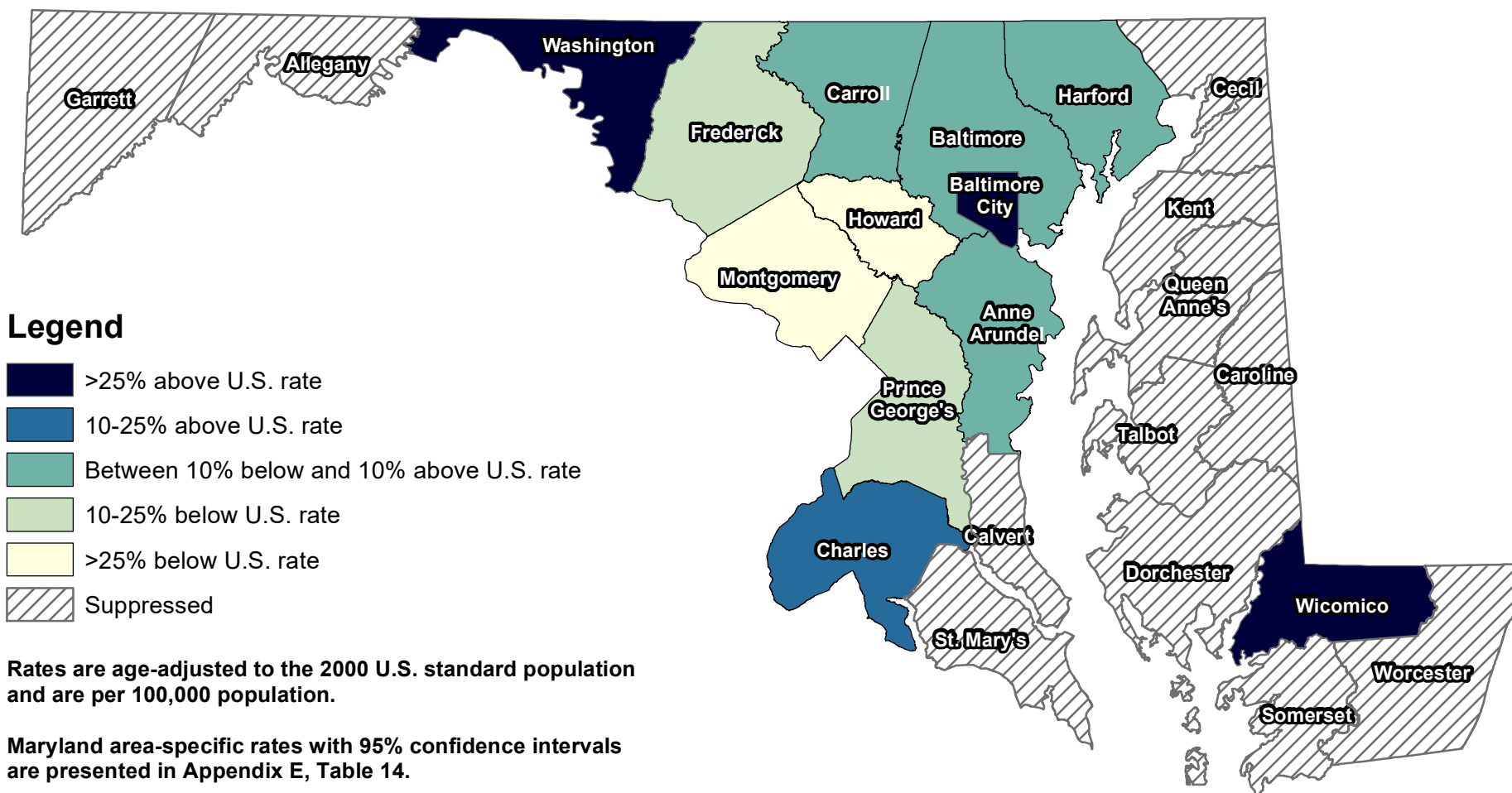


U.S. oral cancer incidence rate, 2018-2022: 11.7 / 100,000

Maryland oral cancer incidence rate, 2018-2022: 10.7 / 100,000

Sources: Maryland Cancer Registry
U.S. SEER, SEER*Stat Database

Maryland Oral Cancer Mortality Rates by Geographical Area: Comparison to U.S. Rate, 2018-2022



U.S. oral cancer mortality rate, 2018-2022: 2.6 / 100,000

Maryland oral cancer mortality rate, 2018-2022: 2.5 / 100,000

Sources: Maryland Department of Health Vital Statistics Administration
U.S. SEER, Cancer Statistics Review

Note: Rates based on case counts of 0-19 are suppressed per MDH/CCPC Data Use Policy and Procedures.

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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 MCR. Melanoma is less frequent but is the most serious type of skin cancer and is reportable to the MCR.

Incidence (New Cases)

In 2022, a total of 1,964 cases of melanoma of the skin were reported in Maryland. The age-adjusted incidence rate for melanoma in 2022 was 25.8 per 100,000 population, which is statistically similar to the 2022 U.S. SEER age-adjusted melanoma incidence rate of 25.1 per 100,000 population.

In Maryland, men had a statistically significantly higher melanoma incidence rate than women in 2022, at 33.9 per 100,000 compared to 19.9 per 100,000 respectively. For Maryland and U.S. 2022 incidence rates and 95% confidence intervals by gender, see Appendix I, Table 1.

Mortality (Deaths)

In 2022, a total of 135 persons died of melanoma in Maryland. The 2022 age-adjusted mortality rate for melanoma in Maryland was 1.8 per 100,000 population. This rate is statistically similar to the 2022 U.S. melanoma of the skin mortality rate of 2.0 per 100,000 population. Maryland had the 39th highest melanoma cancer mortality rate among the states and the District of Columbia in 2022.

In Maryland, men had a melanoma mortality rate more than double the rate for women, at 2.8 and 1.0 respectively, in 2022; this difference is statistically significant. For Maryland and U.S. 2022 mortality rates and 95% confidence intervals by gender, see Appendix I, Table 2.

Table 55
Melanoma Incidence and Mortality Rates
by Gender and Race/Ethnicity, Maryland and the United States, 2022

<i>Incidence 2022</i>	<i>Total*</i>	<i>Male</i>	<i>Female</i>	<i>White</i>	<i>Black</i>	<i>Hispanic</i>	<i>API</i>	<i>AIAN</i>
MD New Cases (count)	1,964	1,172	792	1,896	24	21	<6	<6
MD Incidence Rate	25.8	33.9	19.9	43.8	1.1	4.2	**	**
U.S. SEER Rate	25.1	31.7	20.2	36.3	1.0	5.5	1.2	9.3
<i>Mortality 2022</i>	<i>Total*</i>	<i>Male</i>	<i>Female</i>	<i>White</i>	<i>Black</i>	<i>Hispanic</i>	<i>API</i>	<i>AIAN</i>
MD Deaths (count)	135	89	46	121	6	6	<6	<6
MD Mortality Rate	1.8	2.8	1.0	2.6	**	**	**	**
U.S. Mortality Rate	2.0	2.9	1.3	2.6	0.3	0.6	0.3	**

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

All race rates and counts, except Hispanic, are non-Hispanic/Latino

* Total also includes cases or deaths reported as transsexual, hermaphrodite, unknown gender, unknown race/ethnicity, and unknown jurisdiction

<6 = Death counts of 0-5 are suppressed per MDH/CCPC Mortality Data Suppression Policy, Case counts of 1-5 are suppressed per

MDH/MCR Data Use Policy

** MD incidence rates based on case counts of 1-15 are suppressed per MDH/MCR Data Use Policy and Procedures; MD mortality rates based on death counts of 0-19 are suppressed per MDH/CCPC Mortality Data Suppression Policy

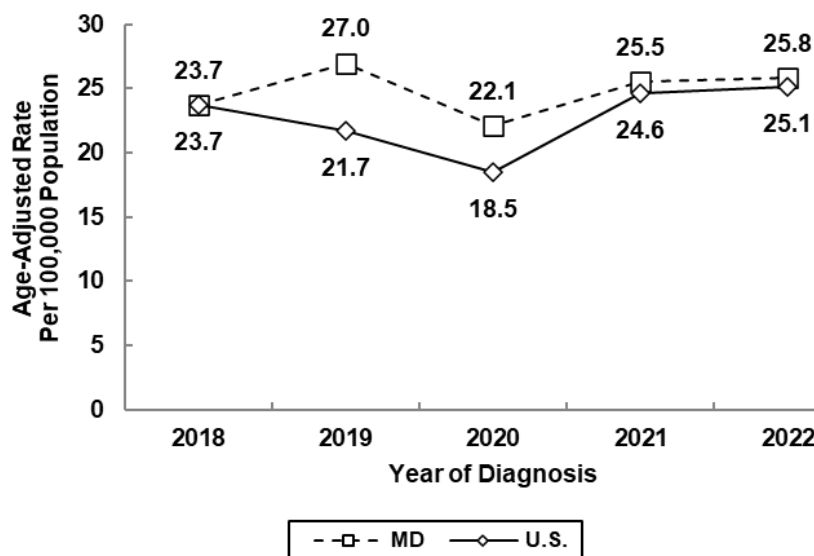
Source: Maryland Cancer Registry

U.S. SEER, SEER*Stat

Maryland Department of Health Vital Statistics Administration

U.S. SEER, Cancer Statistics Review

Melanoma Incidence by Year of Diagnosis, Maryland and U.S., 2018-2022



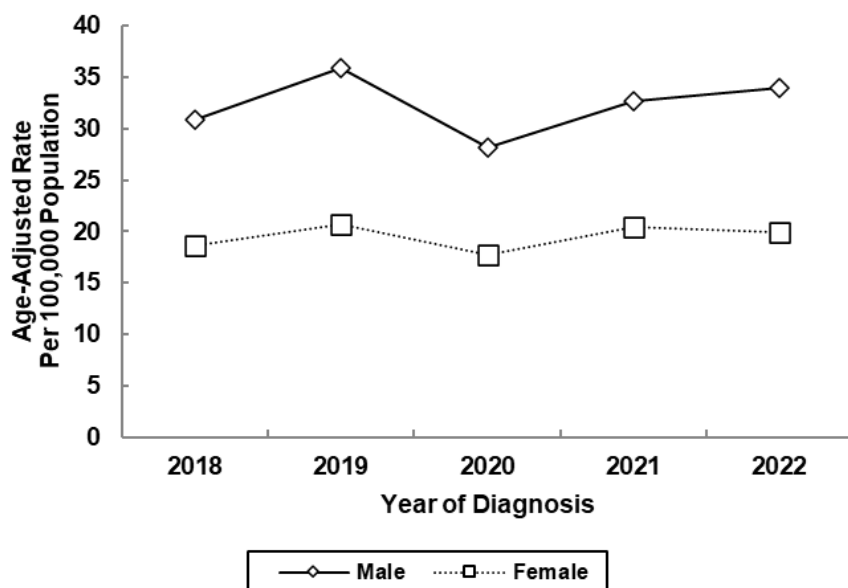
Source: Maryland Cancer Registry
U.S. SEER, SEER*Stat

Maryland vs. U.S., Incidence Rates

Melanoma incidence rates in Maryland increased at a rate of 1.1% per year from 2018 to 2022. During the same time period, U.S. melanoma incidence rates increased 2.4% per year.

See Appendix F, Table 1.

Melanoma Incidence by Gender Maryland, 2018-2022



Source: Maryland Cancer Registry

Incidence Trends by Gender

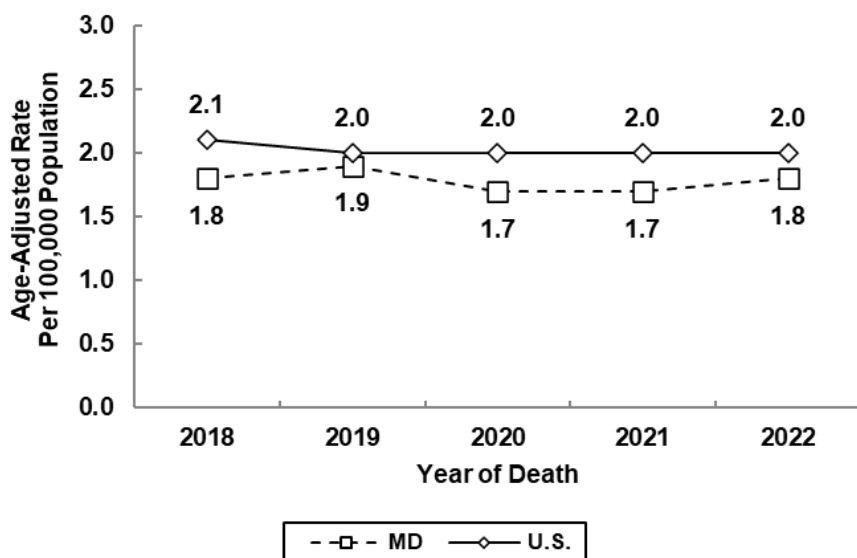
Over the 5-year period from 2018 to 2022, males had consistently higher melanoma incidence rates than females in Maryland.

From 2018 to 2022, melanoma incidence increased 0.9% among males, and increased 1.2% among females.

In 2022, melanoma incidence rates were 70.4% higher among males than females in Maryland.

See Appendix F, Table 4.

**Melanoma Mortality by Year of Death,
Maryland and U.S., 2018-2022**



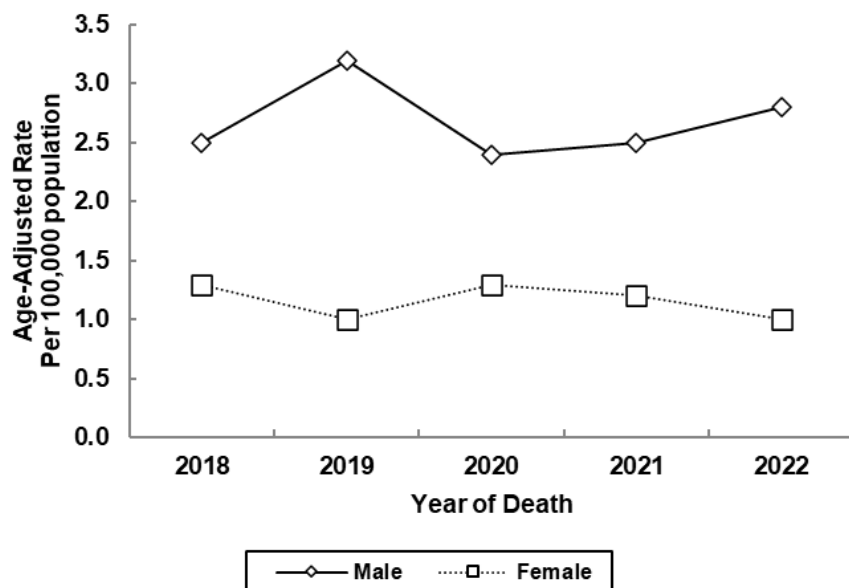
Source: Maryland Department of Health Vital Statistics Administration, 2021-2022 (MD)
NCHS Underlying Cause of Death in CDC WONDER, 2018-2020
SEER Mortality All Cause of Death Data (U.S.)

Maryland vs. U.S., Mortality Rates

Melanoma mortality rates in Maryland decreased at a rate of 1.1% per year from 2018 to 2022 in Maryland. Melanoma mortality rates in the U.S. decreased at a rate of 1.0% per year in the same time period.

See Appendix F, Table 2.

**Melanoma Mortality by Gender
Maryland, 2018-2022**



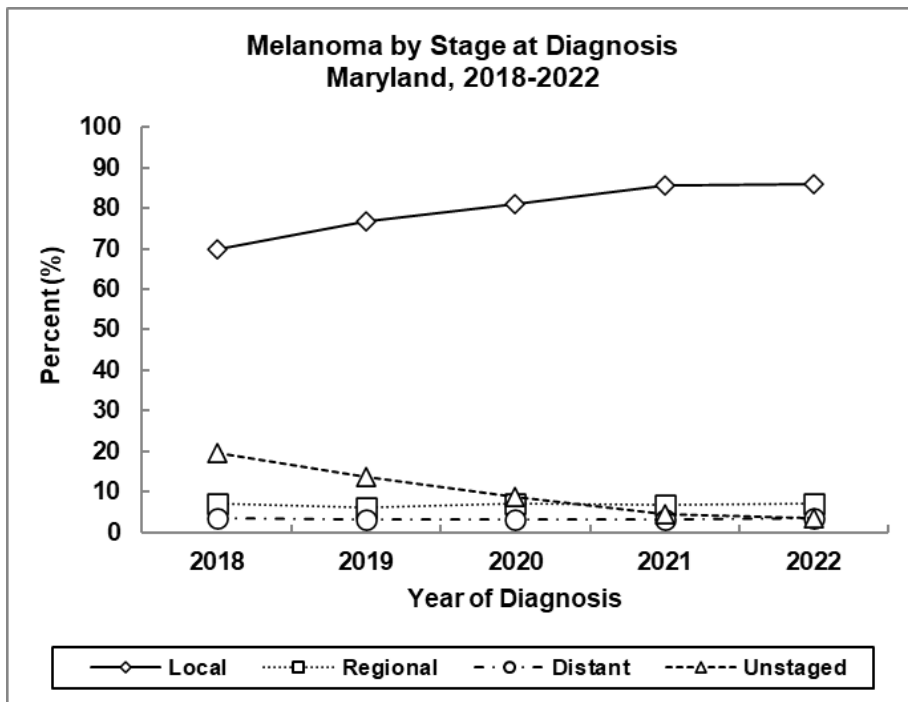
Source: Maryland Department of Health Vital Statistics Administration, 2021-2022 (MD)
NCHS Underlying Cause of Death in CDC WONDER, 2018-2020

Mortality Trends by Gender

From 2018 to 2022, males had consistently higher melanoma mortality rates than females.

Melanoma mortality rates in males decreased at a rate of 0.2% per year from 2018 to 2022 in Maryland. Female melanoma mortality rates decreased at a rate of 3.4% per year in the same time period.

See Appendix F, Table 6.



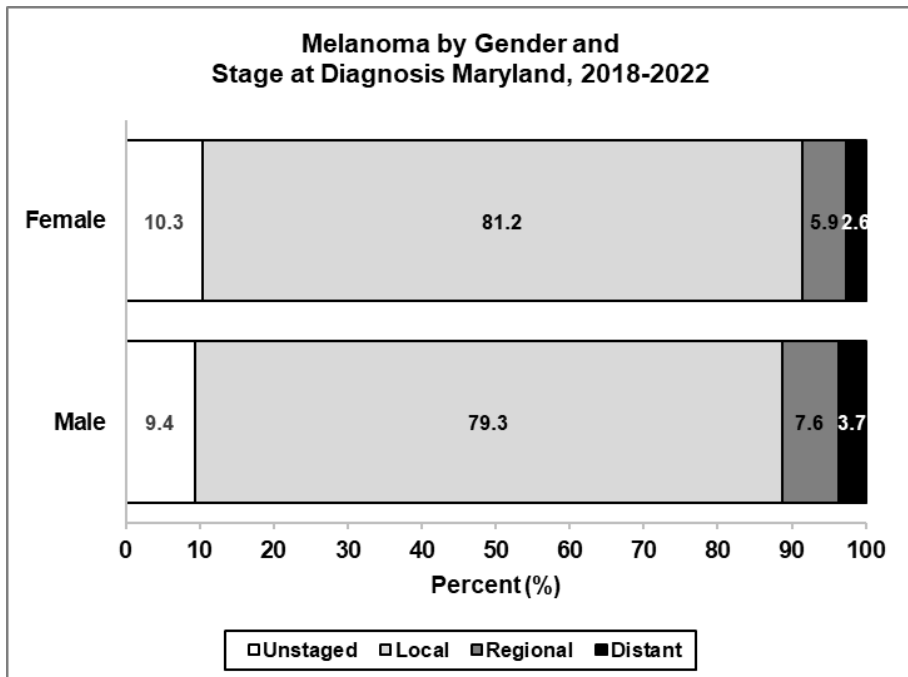
Source: Maryland Cancer Registry

Stage at Diagnosis

During the 5-year period from 2018 to 2022, the percent of new melanoma cases diagnosed at the local stage increased 5.3% per year.

In 2022, 85.8% of all melanoma was diagnosed at the local stage, 7.0% was found at the regional stage, and 3.6% was found at the distant stage. The proportion of melanoma reported as unstaged was 3.6%.

See Appendix G, Table 7.



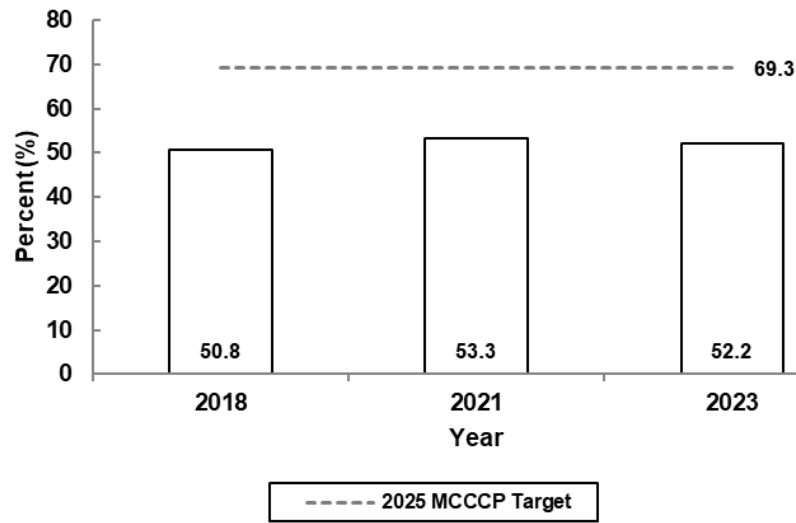
Source: Maryland Cancer Registry

Stage at Diagnosis by Gender

From 2018 to 2022, most melanoma cancers in Maryland were diagnosed at the local stage for male and females. Males had slightly more cases diagnosed at the regional or distant stage (11.3%) than females (8.5%).

See Appendix J, Table 7.

Percentage of Maryland Adults Ages 18 Years and Older Using Sun Exposure Protection, 2018-2023, Compared to 2025 MCCCCP Target



Sun Exposure Protection

The 2025 MCCCCP target aimed to increase the percentage of persons age 18 years and older who always, or almost always, use at least one sun protective measure to 69.3%.

In 2023, 52.2% of Maryland adults always or almost always used at least one method of protection against sun exposure.

Source: Maryland Behavioral Risk Factor Surveillance System, 2018, 2021, 2023

Table 56
Number of Cases for Melanoma by Jurisdiction, Gender, and Race/Ethnicity, Maryland, 2022

Jurisdiction	Total	Gender		Race/Ethnicity				
		Male	Female	White	Black	Hispanic	API	AIAN
Maryland	1,964	1,172	792	1,896	24	21	<6	<6
Allegany	35	15	20	35	0	0	0	0
Anne Arundel	275	155	120	267	<6	<6	0	0
Baltimore City	69	36	33	66	<6	0	0	0
Baltimore	315	186	129	308	<6	<6	<6	0
Calvert	36	23	13	35	0	0	0	0
Caroline	13	<6	8	13	0	0	0	0
Carroll	110	69	41	107	<6	<6	0	0
Cecil	37	25	12	37	0	0	0	0
Charles	23	19	<6	21	<6	0	0	0
Dorchester	16	7	9	16	0	0	0	0
Frederick	113	68	45	111	<6	0	0	0
Garrett	12	6	6	12	0	0	0	0
Harford	158	105	53	s	0	<6	0	0
Howard	104	60	44	96	<6	<6	<6	<6
Kent	15	10	<6	15	0	0	0	0
Montgomery	285	160	125	272	<6	8	0	<6
Prince George's	71	46	25	61	7	<6	0	<6
Queen Anne's	39	27	12	35	<6	0	0	0
St. Mary's	41	23	18	41	0	0	0	0
Somerset	9	<6	<6	s	0	0	0	<6
Talbot	37	21	16	s	0	<6	0	0
Washington	60	29	31	s	0	<6	0	0
Wicomico	31	26	<6	31	0	0	0	0
Worcester	46	37	9	44	0	0	<6	0

Total includes cases reported as transsexual, hermaphrodite, unknown gender, unknown race/ethnicity, and unknown jurisdiction

<6 = Case counts of 1-5 are suppressed per MDH/MCR Data Use Policy

s = Case counts are suppressed to prevent disclosure of data in other cell(s) (See Appendix A for methods)

All race counts, except Hispanic, are non-Hispanic/Latino

Source: Maryland Cancer Registry, SEER*Stat Static data as of January 29, 2025

Table 57
Melanoma Age-Adjusted Incidence Rates* by Jurisdiction, Gender, and Race/Ethnicity,
Maryland, 2022

Jurisdiction	Total	Gender		Race				
		Male	Female	White	Black	Hispanic	API	AIAN
Maryland	25.8	33.9	19.9	43.8	1.1	4.2	**	**
Allegany	39.4	**	46.4	42.9	0.0	0.0	0.0	0.0
Anne Arundel	39.1	47.3	32.8	52.3	**	**	0.0	0.0
Baltimore City	10.2	11.8	9.1	32.9	**	0.0	0.0	0.0
Baltimore	28.8	38.1	22.7	43.9	**	**	**	0.0
Calvert	30.9	42.0	**	37.2	0.0	0.0	0.0	0.0
Caroline	**	**	**	**	0.0	0.0	0.0	0.0
Carroll	48.9	62.3	39.0	52.7	**	**	0.0	0.0
Cecil	28.9	44.2	**	32.6	0.0	0.0	0.0	0.0
Charles	11.8	24.0	**	23.3	**	0.0	0.0	0.0
Dorchester	32.2	**	**	44.3	0.0	0.0	0.0	0.0
Frederick	33.1	43.4	26.0	41.7	**	0.0	0.0	0.0
Garrett	**	**	**	**	0.0	0.0	0.0	0.0
Harford	46.2	68.5	28.2	56.7	0.0	**	0.0	0.0
Howard	26.8	32.2	22.7	43.6	**	**	**	**
Kent	**	**	**	**	0.0	0.0	0.0	0.0
Montgomery	21.6	26.9	17.8	40.2	**	**	0.0	**
Prince George's	6.4	9.8	4.3	36.3	**	**	0.0	**
Queen Anne's	48.5	66.7	**	48.9	**	0.0	0.0	0.0
St. Mary's	31.7	36.4	27.4	40.3	0.0	0.0	0.0	0.0
Somerset	**	**	**	**	0.0	0.0	0.0	**
Talbot	50.0	61.4	40.6	58.2	0.0	**	0.0	0.0
Washington	29.0	27.3	32.2	33.7	0.0	**	0.0	0.0
Wicomico	24.3	41.7	**	35.2	0.0	0.0	0.0	0.0
Worcester	44.8	78.6	**	49.8	0.0	0.0	**	0.0

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

** Rates based on case counts of 1-15 are suppressed per MDH/MCR Data Use Policy and Procedures

All race rates, except Hispanic, are non-Hispanic/Latino

Source: Maryland Cancer Registry, SEER*Stat Static data as of January 29, 2025

Table 58
Number of Deaths for Melanoma by Jurisdiction, Gender, and Race/Ethnicity, Maryland, 2022

Jurisdiction	Total	Gender		Race/Ethnicity				
		Male	Female	White	Black	Hispanic	API	AIAN
Maryland	135	89	46	121	6	6	<6	<6
Allegany	8	6	<6	s	<6	<6	<6	<6
Anne Arundel	17	11	6	16	<6	<6	<6	<6
Baltimore City	6	<6	<6	<6	<6	<6	<6	<6
Baltimore	21	14	7	20	<6	<6	<6	<6
Calvert	<6	<6	<6	<6	<6	<6	<6	<6
Caroline	<6	<6	<6	<6	<6	<6	<6	<6
Carroll	9	7	<6	s	<6	<6	<6	<6
Cecil	<6	<6	<6	<6	<6	<6	<6	<6
Charles	<6	<6	<6	<6	<6	<6	<6	<6
Dorchester	<6	<6	<6	<6	<6	<6	<6	<6
Frederick	8	<6	<6	s	<6	<6	<6	<6
Garrett	<6	<6	<6	<6	<6	<6	<6	<6
Harford	7	<6	<6	s	<6	<6	<6	<6
Howard	<6	<6	<6	<6	<6	<6	<6	<6
Kent	<6	<6	<6	<6	<6	<6	<6	<6
Montgomery	17	7	10	11	<6	<6	<6	<6
Prince George's	7	6	<6	<6	<6	<6	<6	<6
Queen Anne's	<6	<6	<6	<6	<6	<6	<6	<6
St. Mary's	<6	<6	<6	<6	<6	<6	<6	<6
Somerset	<6	<6	<6	<6	<6	<6	<6	<6
Talbot	<6	<6	<6	<6	<6	<6	<6	<6
Washington	<6	<6	<6	<6	<6	<6	<6	<6
Wicomico	<6	<6	<6	<6	<6	<6	<6	<6
Worcester	<6	<6	<6	<6	<6	<6	<6	<6

Total includes deaths reported as unknown race/ethnicity

<6 = Death counts of 0-5 are suppressed per MDH/CCPC Mortality Data Suppression Policy

s = Death counts are suppressed to prevent disclosure of data in other cell(s) (See Appendix A for methods)

All race counts, except Hispanic, are non-Hispanic/Latino

Source: Maryland Department of Health Vital Statistics Administration

Table 59
Melanoma Age-Adjusted Mortality Rates* by Jurisdiction, Gender, and Race/Ethnicity,
Maryland, 2022

Jurisdiction	Total	Gender		Race/Ethnicity				
		Male	Female	White	Black	Hispanic	API	AIAN
Maryland	1.8	2.8	1.0	2.6	**	**	**	**
Allegany	**	**	**	**	**	**	**	**
Anne Arundel	**	**	**	**	**	**	**	**
Baltimore City	**	**	**	**	**	**	**	**
Baltimore	1.7	**	**	2.5	**	**	**	**
Calvert	**	**	**	**	**	**	**	**
Caroline	**	**	**	**	**	**	**	**
Carroll	**	**	**	**	**	**	**	**
Cecil	**	**	**	**	**	**	**	**
Charles	**	**	**	**	**	**	**	**
Dorchester	**	**	**	**	**	**	**	**
Frederick	**	**	**	**	**	**	**	**
Garrett	**	**	**	**	**	**	**	**
Harford	**	**	**	**	**	**	**	**
Howard	**	**	**	**	**	**	**	**
Kent	**	**	**	**	**	**	**	**
Montgomery	**	**	**	**	**	**	**	**
Prince George's	**	**	**	**	**	**	**	**
Queen Anne's	**	**	**	**	**	**	**	**
St. Mary's	**	**	**	**	**	**	**	**
Somerset	**	**	**	**	**	**	**	**
Talbot	**	**	**	**	**	**	**	**
Washington	**	**	**	**	**	**	**	**
Wicomico	**	**	**	**	**	**	**	**
Worcester	**	**	**	**	**	**	**	**

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

** Rates based on death counts of 0-19 are suppressed per MDH/CCPC Mortality Data Suppression Policy

All race rates, except Hispanic, are non-Hispanic/Latino

Source: Maryland Department of Health Vital Statistics Administration

Table 60
Number of Cases for Melanoma by Jurisdiction, Gender, and Race/Ethnicity, Maryland,
2018-2022

Jurisdiction	Total	Gender		Race				
		Male	Female	White	Black	Hispanic	API	AIAN
Maryland	9,168	5,412	3,756	8,825	80	90	30	7
Allegany	141	81	60	141	0	0	0	0
Anne Arundel	1,290	736	554	1,239	6	17	<6	0
Baltimore City	349	201	148	332	11	<6	<6	0
Baltimore	1,541	918	623	1,514	7	<6	<6	<6
Calvert	217	134	83	212	<6	0	0	0
Caroline	47	22	25	44	0	<6	0	0
Carroll	460	272	188	451	<6	<6	<6	0
Cecil	198	111	87	197	0	0	0	0
Charles	128	79	49	112	<6	0	<6	0
Dorchester	57	28	29	57	0	0	0	0
Frederick	503	295	208	492	<6	<6	0	0
Garrett	64	45	19	64	0	0	0	0
Harford	667	401	266	659	<6	<6	0	0
Howard	531	314	217	506	9	6	6	<6
Kent	64	45	19	64	0	0	0	0
Montgomery	1,345	775	570	1,243	14	44	10	<6
Prince George's	289	186	103	256	18	<6	<6	<6
Queen Anne's	160	95	65	156	<6	0	0	0
St. Mary's	159	101	58	155	<6	<6	0	0
Somerset	35	18	17	34	0	0	0	<6
Talbot	139	87	52	134	0	<6	0	0
Washington	283	144	139	279	0	<6	0	0
Wicomico	163	113	50	162	0	0	0	0
Worcester	241	160	81	235	<6	0	<6	0

Total includes cases reported as transsexual, hermaphrodite, unknown gender, unknown race/ethnicity, and unknown jurisdiction

<6 = Case counts of 1-5 are suppressed per MDH/MCR Data Use Policy

s = Case counts are suppressed to prevent disclosure of data in other cell(s) (See Appendix A for methods)

All race counts, except Hispanic, are non-Hispanic/Latino

Source: Maryland Cancer Registry, SEER*Stat Static data as of January 29, 2025

Table 61
Melanoma Age-Adjusted Incidence Rates* by Jurisdiction, Gender, and Race/Ethnicity,
Maryland, 2018-2022

Jurisdiction	Total	Gender		Race/Ethnicity				
		Male	Female	White	Black	Hispanic	API	AIAN
Maryland	24.8	32.3	19.5	40.9	0.8	4.4	1.3	**
Allegany	30.8	35.2	28.5	34.1	0.0	0.0	0.0	0.0
Anne Arundel	37.9	46.4	31.9	48.2	**	11.1	**	0.0
Baltimore City	10.3	13.6	8.0	32.7	**	**	**	0.0
Baltimore	28.8	38.9	21.8	42.9	**	**	**	**
Calvert	38.1	49.0	29.6	46.1	**	0.0	0.0	0.0
Caroline	22.2	20.5	23.4	25.3	0.0	**	0.0	0.0
Carroll	42.4	51.7	36.0	45.2	**	**	**	0.0
Cecil	31.2	37.1	26.6	34.5	0.0	0.0	0.0	0.0
Charles	13.5	19.5	9.2	24.5	**	0.0	**	0.0
Dorchester	22.5	23.8	21.7	30.9	0.0	0.0	0.0	0.0
Frederick	31.4	40.2	25.4	37.9	**	**	0.0	0.0
Garrett	30.1	45.0	18.0	30.9	0.0	0.0	0.0	0.0
Harford	40.9	54.5	31.5	49.0	**	**	0.0	0.0
Howard	27.7	35.0	22.0	44.1	**	**	**	**
Kent	43.1	62.5	26.9	52.6	0.0	0.0	0.0	0.0
Montgomery	20.7	26.2	16.8	36.2	**	5.5	**	**
Prince George's	5.6	8.6	3.6	28.8	0.4	**	**	**
Queen Anne's	46.3	51.9	41.4	51.7	**	0.0	0.0	0.0
St. Mary's	26.0	33.8	19.2	32.3	**	**	0.0	0.0
Somerset	21.4	24.2	21.6	30.6	0.0	0.0	0.0	**
Talbot	38.5	52.4	27.1	43.9	0.0	**	0.0	0.0
Washington	29.2	31.6	28.6	33.1	0.0	**	0.0	0.0
Wicomico	26.8	39.2	17.5	38.0	0.0	0.0	0.0	0.0
Worcester	53.0	68.9	39.9	61.1	**	0.0	**	0.0

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

** Rates based on case counts of 1-15 are suppressed per MDH/MCR Data Use Policy and Procedures

All race rates, except Hispanic, are non-Hispanic/Latino

Source: Maryland Cancer Registry, SEER*Stat Static data as of January 29, 2025

Table 62
Number of Deaths for Melanoma by Jurisdiction, Gender, and Race/Ethnicity, Maryland, 2018-2022

Jurisdiction	Total	Gender		Race/Ethnicity				
		Male	Female	White	Black	Hispanic	API	AIAN
Maryland	661	417	244	611	28	17	<6	<6
Allegany	21	15	6	s	<6	<6	<6	<6
Anne Arundel	79	54	25	77	<6	<6	<6	<6
Baltimore City	28	14	14	22	<6	<6	<6	<6
Baltimore	120	84	36	115	<6	<6	<6	<6
Calvert	11	6	<6	10	<6	<6	<6	<6
Caroline	7	6	<6	s	<6	<6	<6	<6
Carroll	37	24	13	s	<6	<6	<6	<6
Cecil	13	10	<6	s	<6	<6	<6	<6
Charles	19	16	<6	s	<6	<6	<6	<6
Dorchester	<6	<6	<6	<6	<6	<6	<6	<6
Frederick	42	18	24	s	<6	<6	<6	<6
Garrett	<6	<6	<6	<6	<6	<6	<6	<6
Harford	43	27	16	41	<6	<6	<6	<6
Howard	25	19	6	23	<6	<6	<6	<6
Kent	<6	<6	<6	<6	<6	<6	<6	<6
Montgomery	93	48	45	73	6	11	<6	<6
Prince George's	32	16	16	21	7	<6	<6	<6
Queen Anne's	10	<6	<6	9	<6	<6	<6	<6
St. Mary's	12	8	<6	s	<6	<6	<6	<6
Somerset	<6	<6	<6	<6	<6	<6	<6	<6
Talbot	10	6	<6	s	<6	<6	<6	<6
Washington	23	13	10	s	<6	<6	<6	<6
Wicomico	11	9	<6	s	<6	<6	<6	<6
Worcester	9	6	<6	s	<6	<6	<6	<6

Total includes deaths reported as unknown race/ethnicity

<6 = Death counts of 0-5 are suppressed per MDH/CCPC Mortality Data Suppression Policy

s = Death counts are suppressed to prevent disclosure of data in other cell(s) (See Appendix A for methods)

All race counts, except Hispanic, are non-Hispanic/Latino

Source: Maryland Department of Health Vital Statistics Administration

Table 63
Melanoma Age-Adjusted Mortality Rates* by Jurisdiction, Gender, and Race/Ethnicity,
Maryland, 2018-2022

Jurisdiction	Total	Gender		Race/Ethnicity				
		Male	Female	White	Black	Hispanic	API	AIAN
Maryland	1.8	2.7	1.2	2.7	0.3	**	**	**
Allegany	4.4	**	**	4.8	**	**	**	**
Anne Arundel	2.4	3.7	1.4	3.0	**	**	**	**
Baltimore City	0.9	**	**	2.2	**	**	**	**
Baltimore	2.1	3.7	1.0	2.8	**	**	**	**
Calvert	**	**	**	**	**	**	**	**
Caroline	**	**	**	**	**	**	**	**
Carroll	3.5	5.4	**	3.7	**	**	**	**
Cecil	**	**	**	**	**	**	**	**
Charles	**	**	**	**	**	**	**	**
Dorchester	**	**	**	**	**	**	**	**
Frederick	2.7	**	2.9	3.3	**	**	**	**
Garrett	**	**	**	**	**	**	**	**
Harford	2.5	3.8	**	2.9	**	**	**	**
Howard	1.4	**	**	2.0	**	**	**	**
Kent	**	**	**	**	**	**	**	**
Montgomery	1.4	1.7	1.3	1.9	**	**	**	**
Prince George's	0.7	**	**	2.1	**	**	**	**
Queen Anne's	**	**	**	**	**	**	**	**
St. Mary's	**	**	**	**	**	**	**	**
Somerset	**	**	**	**	**	**	**	**
Talbot	**	**	**	**	**	**	**	**
Washington	2.3	**	**	2.5	**	**	**	**
Wicomico	**	**	**	**	**	**	**	**
Worcester	**	**	**	**	**	**	**	**

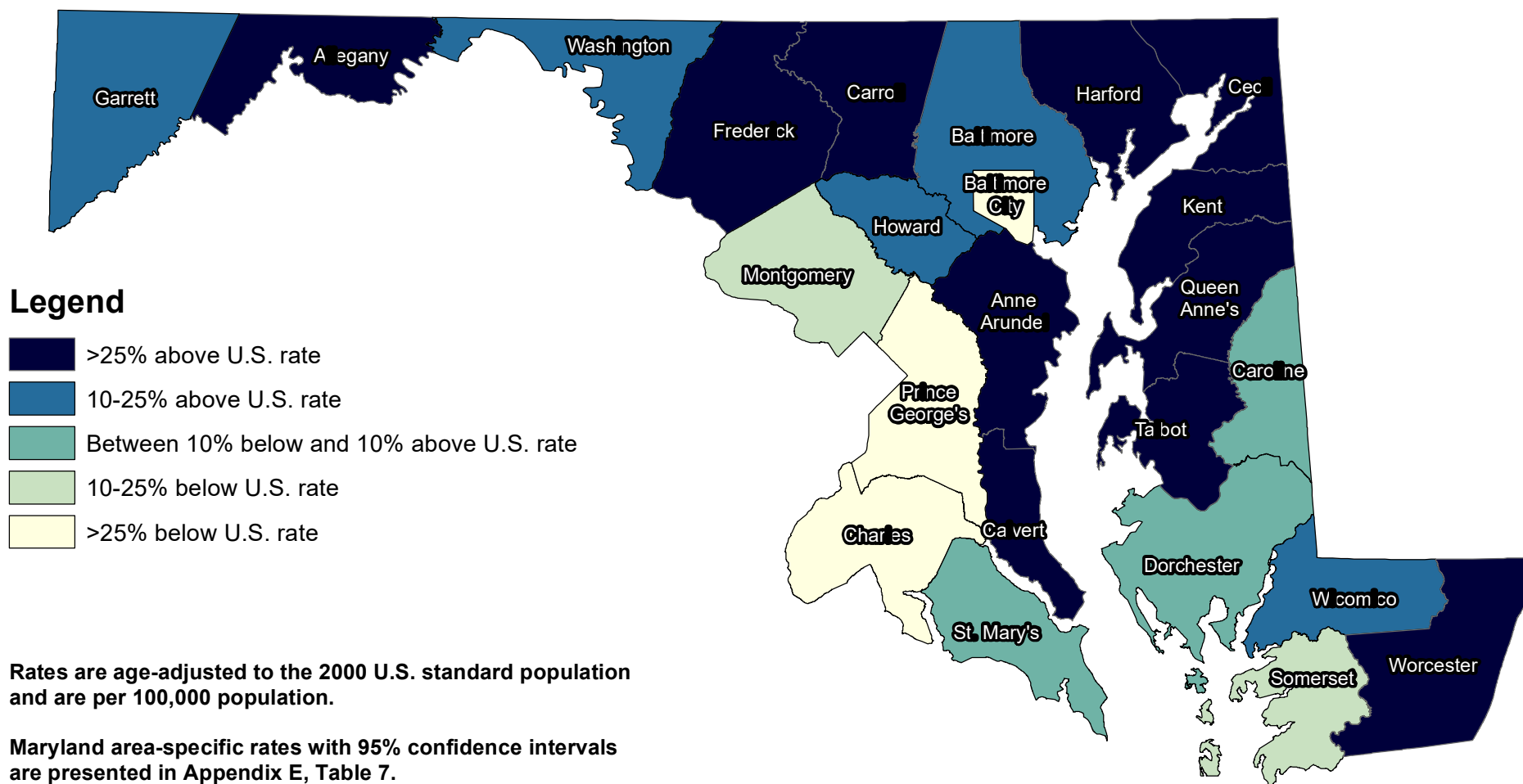
* Rates are per 100,000 population and age-adjusted to 2000 U.S. standard population

** Rates based on death counts of 0-19 are suppressed per MDH/CCPC Mortality Data Suppression Policy

All race rates, except Hispanic, are non-Hispanic/Latino

Source: Maryland Department of Health Vital Statistics Administration

Maryland Melanoma Cancer Incidence Rates by Geographical Area: Comparison to U.S. Rate, 2018-2022

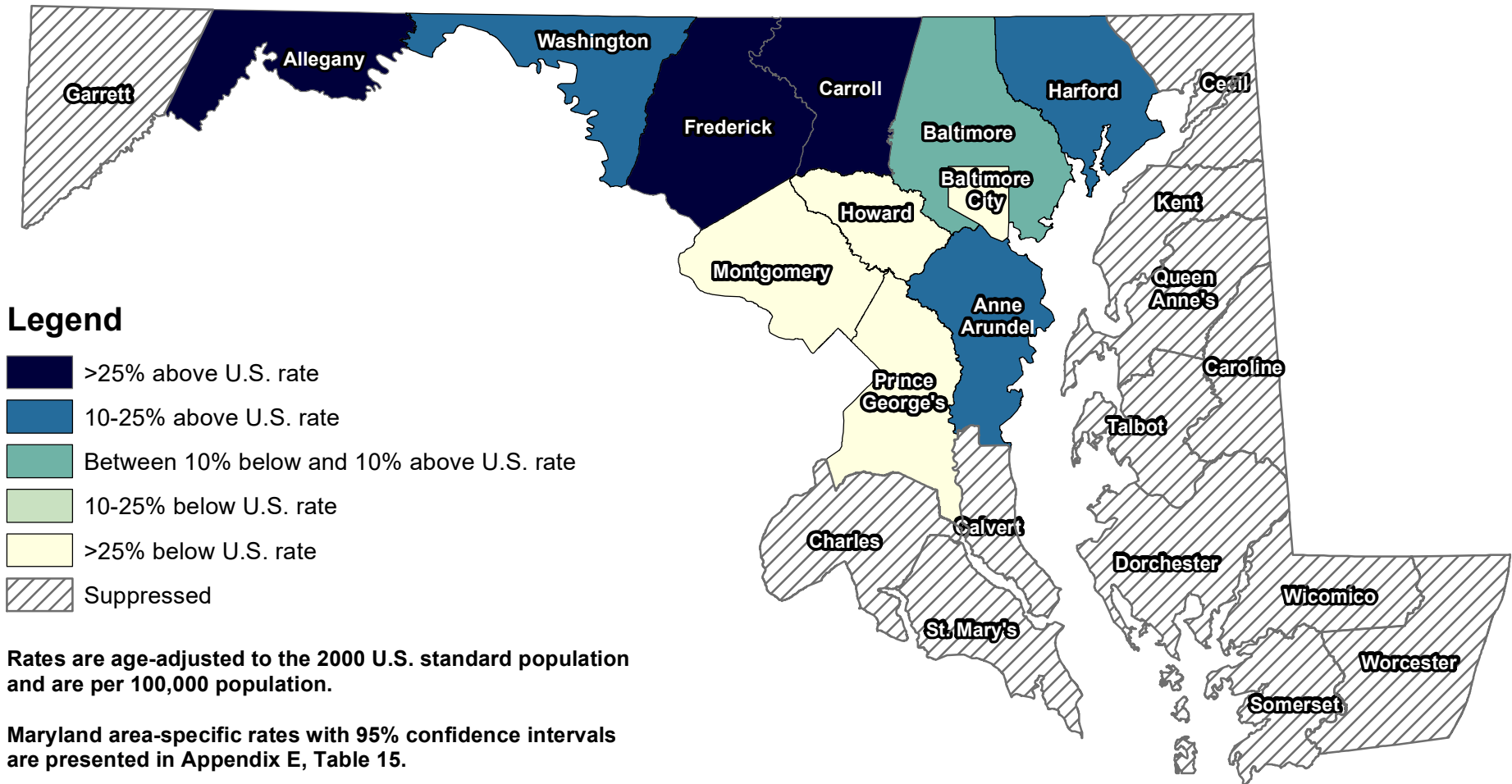


U.S. melanoma cancer incidence rate, 2018-2022: 24.3 / 100,000

Maryland melanoma cancer incidence rate, 2018-2022: 24.8 / 100,000

Sources: Maryland Cancer Registry
U.S. SEER, SEER*Stat Database

Maryland Melanoma Cancer Mortality Rates by Geographical Area: Comparison to U.S. Rate, 2018-2022



U.S. melanoma cancer mortality rate, 2018-2022: 2.0 / 100,000

Maryland melanoma cancer mortality rate, 2018-2022: 1.8 / 100,000

Sources: Maryland Department of Health Vital Statistics Administration
U.S. SEER, Cancer Statistics Review

Note: Rates based on case counts of 0-19 are suppressed per MDH/CCPC Data Use Policy and Procedures.

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G. Cervical Cancer

Incidence (New Cases)

A total of 195 cases of cervical cancer among women in Maryland were reported in 2022. The age-adjusted incidence rate for cervical cancer in Maryland in 2022 was 5.5 per 100,000 women, which is statistically significantly lower than the 2022 U.S. SEER age-adjusted cervical cancer incidence rate of 7.3 per 100,000 women.

In Maryland, no new cervical cancer cases were reported among American Indian/Alaska Native women in 2022. All other racial/ethnic groups had cervical cancer incidence rates similar to the statewide rate of 5.5, with no statistically significant differences between the groups. For Maryland and U.S. 2022 incidence rates and 95% confidence intervals by race and ethnicity, see Appendix I, Table 1.

Mortality (Deaths)

In 2022, a total of 72 women died of cervical cancer in Maryland. The age-adjusted cervical cancer mortality rate in Maryland in 2022 was 2.0 per 100,000 women. This rate is statistically similar to the 2022 U.S. cervical cancer mortality rate of 2.1 per 100,000 women. Maryland had the 21st highest cervical cancer mortality rate among the states and the District of Columbia in 2022.

In Maryland, White and Black women had statistically similar cervical cancer mortality rates in 2022, at 1.7 per 100,000 and 2.3 per 100,000 respectively. 2022 cervical cancer mortality rates for Hispanic, Asian/Pacific Islander, and American Indian/Alaska Native women are not reportable. For Maryland and U.S. 2022 mortality rates and 95% confidence intervals by race and ethnicity, see Appendix I, Table 2.

Table 64
Cervical Cancer Incidence and Mortality Rates
by Race/Ethnicity, Maryland and the United States, 2022

<i>Incidence 2022</i>	<i>Total*</i>	<i>White</i>	<i>Black</i>	<i>Hispanic</i>	<i>API</i>	<i>AIAN</i>
MD New Cases (count)	195	85	70	21	17	0
MD Incidence Rate	5.5	4.8	5.8	6.7	5.9	0.0
U.S. SEER Rate	7.3	6.6	7.4	9.5	5.4	11.7
<i>Mortality 2022</i>	<i>Total*</i>	<i>White</i>	<i>Black</i>	<i>Hispanic</i>	<i>API</i>	<i>AIAN</i>
MD Deaths (count)	72	37	25	6	<6	<6
MD Mortality Rate	2.0	1.7	2.3	**	**	**
U.S. Mortality Rate	2.1	2.0	2.7	2.2	1.5	2.4

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

All race rates and counts, except Hispanic, are non-Hispanic/Latino

* Total also includes cases or deaths reported as transsexual, hermaphrodite, unknown gender, unknown race/ethnicity, and unknown jurisdiction

<6= Death counts of 0-5 are suppressed per MDH/CCPC Mortality Data Suppression Policy

** MD incidence rates based on case counts of 1-15 are suppressed per MDH/MCR Data Use Policy and Procedures; MD mortality rates based on death counts of 0-19 are suppressed per MDH/CCPC Mortality Data Suppression Policy

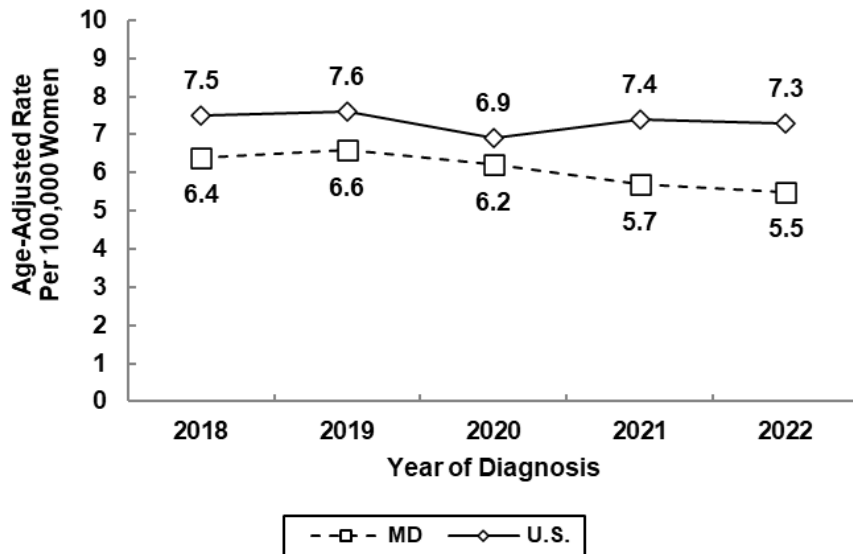
Source: Maryland Cancer Registry

U.S. SEER, SEER*Stat

Maryland Department of Health Vital Statistics Administration

U.S. SEER, Cancer Statistics Review

**Cervical Cancer Incidence by Year of Diagnosis,
Maryland and U.S., 2018-2022**



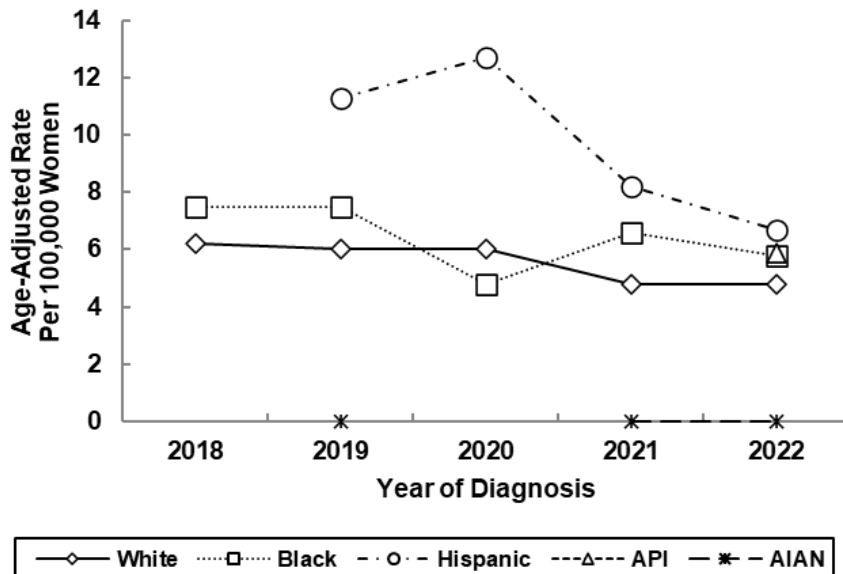
Source: Maryland Cancer Registry
U.S. SEER, SEER*Stat

Maryland vs. U.S., Incidence Rates

From 2018 to 2022, Maryland had consistently lower cervical cancer incidence rates than the U.S. Cervical cancer incidence rates among Maryland women decreased at a rate of 4.4% per year, and decreased 0.8% per year among women in the U.S. from 2018 to 2022.

See Appendix F, Table 1.

**Cervical Cancer Incidence by Race/Ethnicity
Maryland, 2018-2022**



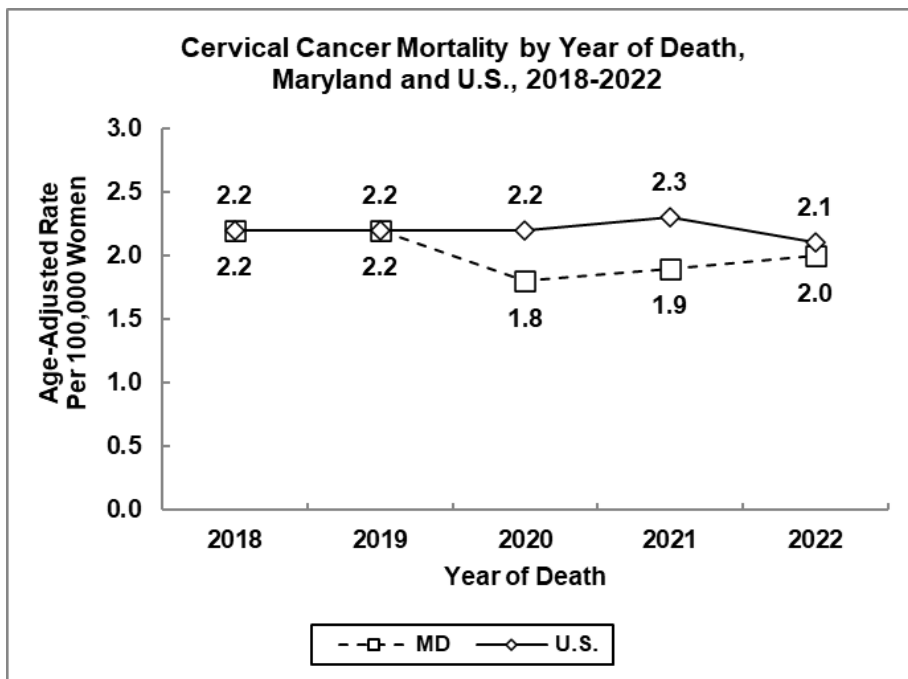
Source: Maryland Cancer Registry

Incidence Trends by Race/Ethnicity

From 2018 to 2022, cervical cancer incidence rates decreased among Black females at a rate of 6.2% per year and decreased at a rate of 7.1% per year among White females.

Cervical cancer incidence was suppressed for Hispanic women in 2018, American Indian/Alaska Native women in 2018 and 2020 and Asian/Pacific Islander women from 2018 to 2021.

See Appendix F, Table 3.

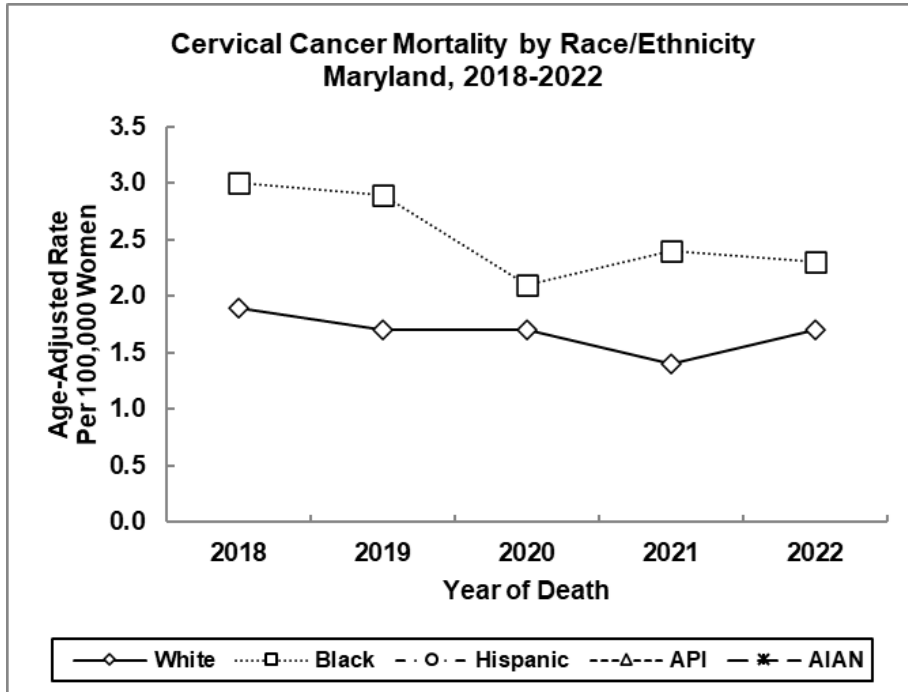


Source: Maryland Department of Health Vital Statistics Administration, 2021-2022 (MD)
NCHS Underlying Cause of Death in CDC WONDER, 2018-2020
SEER Mortality All Cause of Death Data (U.S.)

Maryland vs. U.S., Mortality Rates

From 2018 to 2022, cervical cancer mortality rates decreased at a rate of 0.5% per year among women in the U.S. and at a rate of 3.3% per year among women in Maryland.

See Appendix F, Table 2.

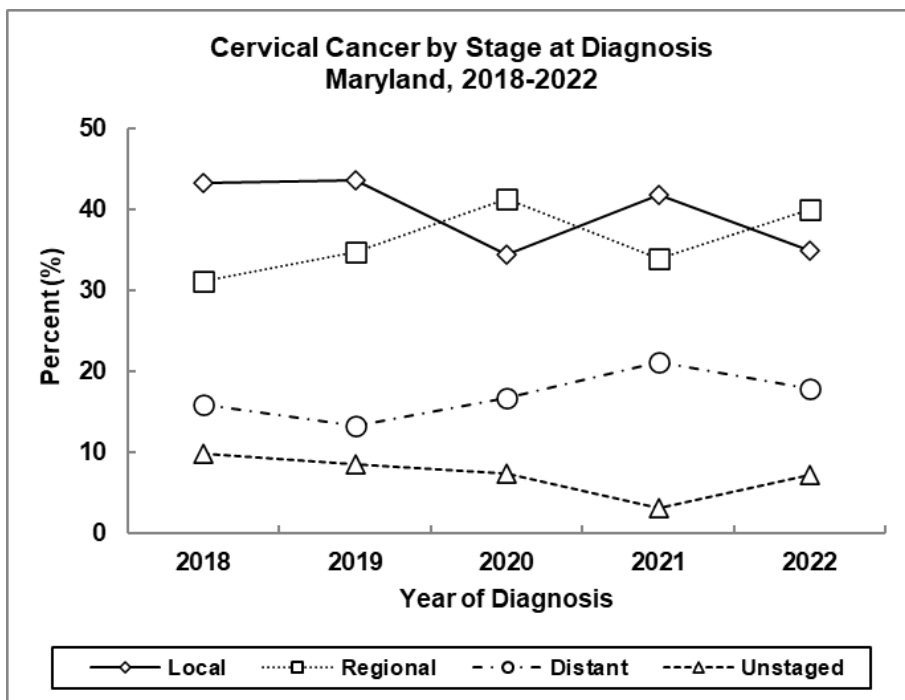


Source: Maryland Department of Health Vital Statistics Administration

Mortality Trends by Race/Ethnicity

From 2018 to 2022, Black women had consistently higher cervical cancer mortality rates than White women in Maryland. Mortality rates decreased at a rate of 4.1% per year among White women and decreased at a rate of 7.0% per year among Black women. Cervical cancer mortality was suppressed for Hispanic, Asian/Pacific Islander, and American Indian/Alaska Native women from 2018 to 2022 in Maryland.

See Appendix F, Table 5.

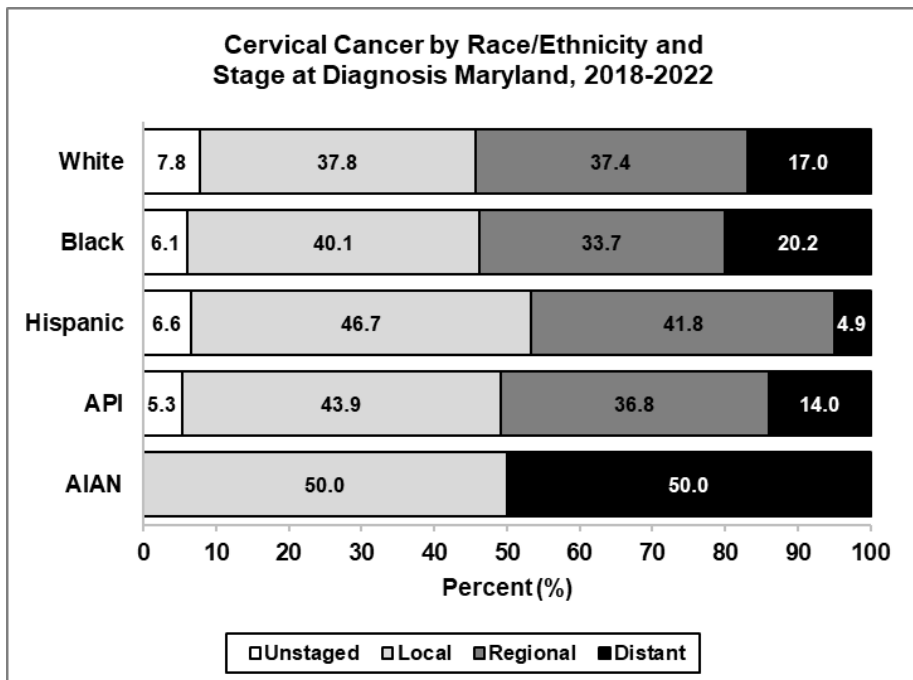


Source: Maryland Cancer Registry

Stage at Diagnosis

In 2022, 34.9% of all cervical cancer cases in Maryland were diagnosed at the local stage, 40.0% were diagnosed at the regional stage, and 17.9% were found at the distant stage. The proportion of cervical cancer cases reported as unstaged were 7.2%.

See Appendix G, Table 8.



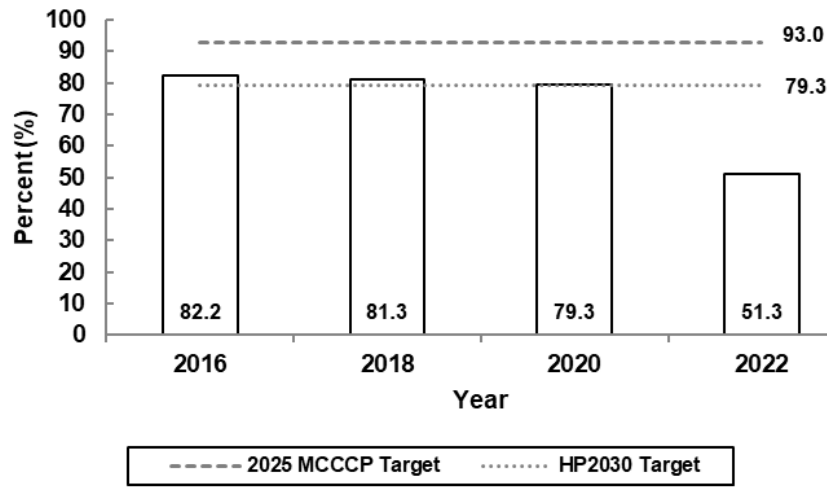
Source: Maryland Cancer Registry

Stage at Diagnosis by Race/ Ethnicity

From 2018 to 2022, American Indian/Alaska Native women and Black women had the greatest proportion of cervical cancer cases diagnosed at distant stage at 50.0% and 20.2%, respectively.

See Appendix J, Table 8.

Percentage of Maryland Women Ages 21 to 65 Years Old Who Had a Pap Test Within the Past 3 Years, 2016-2022, Compared to the 2025 MCCCCP and Healthy People 2030 Targets



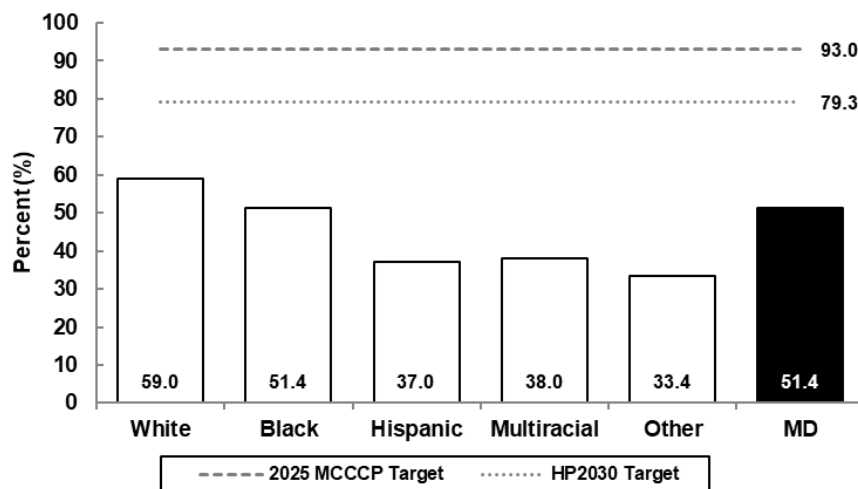
Source: Maryland Behavioral Risk Factor Surveillance System, 2016, 2018, 2020, 2022
 Maryland Comprehensive Cancer Control Plan, 2021-2025
 Healthy People 2030, U.S. Department of Health and Human Services

Note: In 2022 the BRFSS cervical cancer screening module was updated to ask first if a women had ever had a cervical cancer screening, while previously it had asked if a woman had ever had a Pap test first.

Cervical Cancer Screening

In 2022, 51.3% of Maryland women ages 21 to 65 years old reported they had a cervical cancer screening within the past three years. This is below the 2025 MCCCCP target of 93.0% and the Healthy People 2030 target of 79.3%.

Percentage of Maryland Women Ages 21 to 65 Years Old Who Had Cervical Cancer Screening Within the Past 3 Years, 2022, Compared to the 2025 MCCCCP and Healthy People 2030 Targets



Source: Maryland Behavioral Risk Factor Surveillance System, 2022
 Maryland Comprehensive Cancer Control Plan, 2021-2025
 Healthy People 2030, U.S. Department of Health and Human Services

Note: In 2022 the BRFSS cervical cancer screening module was updated to ask first if a women had ever had a cervical cancer screening, while previously it had asked if a woman had ever had a Pap test first.

Cervical Cancer Screening by Race/Ethnicity

In 2022, White women reported the highest percentage of having had a cervical cancer screening in the past three years. All groups, however, were below the 2025 MCCCCP and Healthy People 2030 targets.

Table 65
Number of Cases for Cervical Cancer by Jurisdiction and Race/Ethnicity, Maryland, 2022

Jurisdiction	Total	Race/Ethnicity				
		White	Black	Hispanic	API	AIAN
Maryland	195	85	70	21	17	0
Allegany	<6	<6	0	0	0	0
Anne Arundel	13	s	<6	0	<6	0
Baltimore City	28	6	19	<6	0	0
Baltimore	28	15	8	<6	<6	0
Calvert	<6	<6	0	0	0	0
Caroline	<6	0	<6	0	0	0
Carroll	<6	<6	0	0	0	0
Cecil	<6	<6	<6	0	0	0
Charles	<6	<6	<6	0	0	0
Dorchester	0	0	0	0	0	0
Frederick	9	6	<6	<6	0	0
Garrett	<6	<6	0	0	0	0
Harford	7	<6	<6	0	0	0
Howard	10	<6	0	<6	<6	0
Kent	0	0	0	0	0	0
Montgomery	34	11	6	8	9	0
Prince George's	31	0	24	<6	<6	0
Queen Anne's	0	0	0	0	0	0
St. Mary's	7	s	<6	0	0	0
Somerset	0	0	0	0	0	0
Talbot	<6	0	<6	<6	0	0
Washington	<6	<6	0	0	0	0
Wicomico	<6	<6	<6	0	0	0
Worcester	<6	<6	0	0	0	0

Total includes cases reported as unknown race/ethnicity and unknown jurisdiction

<6 = Case counts of 1-5 are suppressed per MDH/MCR Data Use Policy

s = Case counts are suppressed to prevent disclosure of data in other cell(s) (See Appendix A for methods)

All race counts, except Hispanic, are non-Hispanic/Latino

Source: Maryland Cancer Registry, SEER*Stat Static data as of January 29, 2025

Table 66
Cervical Cancer Age-Adjusted Incidence Rates* by Jurisdiction and Race/Ethnicity,
Maryland, 2022

Jurisdiction	Total	Race/Ethnicity				
		White	Black	Hispanic	API	AIAN
Maryland	5.5	4.8	5.8	6.7	5.9	0.0
Allegany	**	**	0.0	0.0	0.0	0.0
Anne Arundel	**	**	**	0.0	**	0.0
Baltimore City	8.7	**	8.7	**	0.0	0.0
Baltimore	5.9	**	**	**	**	0.0
Calvert	**	**	0.0	0.0	0.0	0.0
Caroline	**	0.0	**	0.0	0.0	0.0
Carroll	**	**	0.0	0.0	0.0	0.0
Cecil	**	**	**	0.0	0.0	0.0
Charles	**	**	**	0.0	0.0	0.0
Dorchester	0.0	0.0	0.0	0.0	0.0	0.0
Frederick	**	**	**	**	0.0	0.0
Garrett	**	**	0.0	0.0	0.0	0.0
Harford	**	**	**	0.0	0.0	0.0
Howard	**	**	0.0	**	**	0.0
Kent	0.0	0.0	0.0	0.0	0.0	0.0
Montgomery	5.4	**	**	**	**	0.0
Prince George's	5.2	0.0	5.6	**	**	0.0
Queen Anne's	0.0	0.0	0.0	0.0	0.0	0.0
St. Mary's	**	**	**	0.0	0.0	0.0
Somerset	0.0	0.0	0.0	0.0	0.0	0.0
Talbot	**	0.0	**	**	0.0	0.0
Washington	**	**	0.0	0.0	0.0	0.0
Wicomico	**	**	**	0.0	0.0	0.0
Worcester	**	**	0.0	0.0	0.0	0.0

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

** Rates based on case counts of 1-15 are suppressed per MDH/MCR Data Use Policy and Procedures

All race rates, except Hispanic, are non-Hispanic/Latino

Source: Maryland Cancer Registry, SEER*Stat Static data as of January 29, 2025

Table 67

Number of Deaths for Cervical Cancer by Jurisdiction and Race/Ethnicity, Maryland, 2022

Jurisdiction	Total	Race/Ethnicity				
		White	Black	Hispanic	API	AIAN
Maryland	72	37	25	6	<6	<6
Allegany	<6	<6	<6	<6	<6	<6
Anne Arundel	<6	<6	<6	<6	<6	<6
Baltimore City	11	<6	8	<6	<6	<6
Baltimore	10	8	<6	<6	<6	<6
Calvert	<6	<6	<6	<6	<6	<6
Caroline	<6	<6	<6	<6	<6	<6
Carroll	<6	<6	<6	<6	<6	<6
Cecil	<6	<6	<6	<6	<6	<6
Charles	<6	<6	<6	<6	<6	<6
Dorchester	<6	<6	<6	<6	<6	<6
Frederick	<6	<6	<6	<6	<6	<6
Garrett	<6	<6	<6	<6	<6	<6
Harford	<6	<6	<6	<6	<6	<6
Howard	<6	<6	<6	<6	<6	<6
Kent	<6	<6	<6	<6	<6	<6
Montgomery	7	<6	<6	<6	<6	<6
Prince George's	6	<6	<6	<6	<6	<6
Queen Anne's	<6	<6	<6	<6	<6	<6
St. Mary's	<6	<6	<6	<6	<6	<6
Somerset	<6	<6	<6	<6	<6	<6
Talbot	<6	<6	<6	<6	<6	<6
Washington	<6	<6	<6	<6	<6	<6
Wicomico	<6	<6	<6	<6	<6	<6
Worcester	<6	<6	<6	<6	<6	<6

Total includes deaths reported as unknown race/ethnicity

<6 = Death counts of 0-5 are suppressed per MDH/CCPC Mortality Data Suppression Policy

s = Death counts are suppressed to prevent disclosure of data in other cell(s) (See Appendix A for methods)

All race counts, except Hispanic, are non-Hispanic/Latino

Source: Maryland Department of Health Vital Statistics Administration

Table 68
Cervical Cancer Age-Adjusted Mortality Rates* by Jurisdiction and Race/Ethnicity,
Maryland, 2022

Jurisdiction	Total	Race/Ethnicity				
		White	Black	Hispanic	API	AIAN
Maryland	2.0	1.7	2.3	**	**	**
Allegany	**	**	**	**	**	**
Anne Arundel	**	**	**	**	**	**
Baltimore City	**	**	**	**	**	**
Baltimore	**	**	**	**	**	**
Calvert	**	**	**	**	**	**
Caroline	**	**	**	**	**	**
Carroll	**	**	**	**	**	**
Cecil	**	**	**	**	**	**
Charles	**	**	**	**	**	**
Dorchester	**	**	**	**	**	**
Frederick	**	**	**	**	**	**
Garrett	**	**	**	**	**	**
Harford	**	**	**	**	**	**
Howard	**	**	**	**	**	**
Kent	**	**	**	**	**	**
Montgomery	**	**	**	**	**	**
Prince George's	**	**	**	**	**	**
Queen Anne's	**	**	**	**	**	**
St. Mary's	**	**	**	**	**	**
Somerset	**	**	**	**	**	**
Talbot	**	**	**	**	**	**
Washington	**	**	**	**	**	**
Wicomico	**	**	**	**	**	**
Worcester	**	**	**	**	**	**

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

** Rates based on death counts of 0-19 are suppressed per MDH/CCPC Mortality Data Suppression Policy

All race rates, except Hispanic, are non-Hispanic/Latino

Source: Maryland Department of Health Vital Statistics Administration

Table 69
Number of Cases for Cervical Cancer by Jurisdiction and Race/Ethnicity, Maryland, 2018-2022

Jurisdiction	Total	Race/Ethnicity				
		White	Black	Hispanic	API	AIAN
Maryland	1,044	487	362	122	57	<6
Allegany	12	s	0	<6	0	0
Anne Arundel	94	63	20	6	<6	0
Baltimore City	142	35	90	12	<6	<6
Baltimore	145	80	50	8	<6	0
Calvert	9	8	0	0	0	0
Caroline	9	6	<6	0	0	0
Carroll	24	24	0	0	0	0
Cecil	19	s	<6	0	0	0
Charles	29	8	18	<6	0	0
Dorchester	7	<6	<6	0	0	0
Frederick	36	27	<6	<6	0	0
Garrett	<6	<6	0	0	0	0
Harford	38	31	s	<6	0	0
Howard	44	24	7	<6	8	0
Kent	<6	<6	0	0	0	0
Montgomery	146	44	36	33	27	<6
Prince George's	172	15	105	44	<6	0
Queen Anne's	6	6	0	0	0	0
St. Mary's	29	20	s	0	<6	0
Somerset	<6	<6	<6	0	0	0
Talbot	10	7	<6	<6	0	0
Washington	30	27	<6	0	0	0
Wicomico	16	11	<6	<6	<6	0
Worcester	14	10	<6	<6	<6	0

Total includes cases reported as unknown race/ethnicity and unknown jurisdiction

<6 = Case counts of 1-5 are suppressed per MDH/MCR Data Use Policy

s = Case counts are suppressed to prevent disclosure of data in other cell(s) (See Appendix A for methods)

All race counts, except Hispanic, are non-Hispanic/Latino

Source: Maryland Cancer Registry, SEER*Stat Static data as of January 29, 2025

Table 70
Cervical Cancer Age-Adjusted Incidence Rates* by Jurisdiction and Race/Ethnicity,
Maryland, 2018-2022

Jurisdiction	Total	Race/Ethnicity				
		White	Black	Hispanic	API	AIAN
Maryland	6.1	5.5	6.4	8.9	4.2	**
Allegany	**	**	0.0	**	0.0	0.0
Anne Arundel	5.9	5.9	6.6	**	**	0.0
Baltimore City	8.4	7.7	8.1	**	**	**
Baltimore	6.2	5.9	6.7	**	**	0.0
Calvert	**	**	0.0	0.0	0.0	0.0
Caroline	**	**	**	0.0	0.0	0.0
Carroll	5.3	5.9	0.0	0.0	0.0	0.0
Cecil	7.1	8.1	**	0.0	0.0	0.0
Charles	6.3	**	7.8	**	0.0	0.0
Dorchester	**	**	**	0.0	0.0	0.0
Frederick	4.9	4.9	**	**	0.0	0.0
Garrett	**	**	0.0	0.0	0.0	0.0
Harford	5.3	5.6	**	**	0.0	0.0
Howard	4.9	5.3	**	**	**	0.0
Kent	**	**	0.0	0.0	0.0	**
Montgomery	4.7	3.0	6.4	6.8	4.4	0.0
Prince George's	6.6	**	5.5	13.9	**	0.0
Queen Anne's	**	**	0.0	0.0	0.0	0.0
St. Mary's	9.4	8.3	**	0.0	**	0.0
Somerset	**	**	**	0.0	0.0	0.0
Talbot	**	**	**	**	0.0	0.0
Washington	7.5	8.1	**	0.0	0.0	0.0
Wicomico	6.1	**	**	**	**	0.0
Worcester	**	**	**	**	**	0.0

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

** Rates based on case counts of 1-15 are suppressed per MDH/MCR Data Use Policy and Procedures

All race rates, except Hispanic, are non-Hispanic/Latino

Source: Maryland Cancer Registry, SEER*Stat Static data as of January 29, 2025

Table 71
Number of Deaths for Cervical Cancer by Jurisdiction and Race/Ethnicity, Maryland, 2018-2022

Jurisdiction	Total	Race/Ethnicity				
		White	Black	Hispanic	API	AIAN
Maryland	373	176	147	32	16	<6
Allegany	8	s	<6	<6	<6	<6
Anne Arundel	26	20	<6	<6	<6	<6
Baltimore City	72	14	52	<6	<6	<6
Baltimore	43	24	16	<6	<6	<6
Calvert	<6	<6	<6	<6	<6	<6
Caroline	<6	<6	<6	<6	<6	<6
Carroll	13	s	<6	<6	<6	<6
Cecil	7	s	<6	<6	<6	<6
Charles	13	<6	9	<6	<6	<6
Dorchester	<6	<6	<6	<6	<6	<6
Frederick	10	7	<6	<6	<6	<6
Garrett	<6	<6	<6	<6	<6	<6
Harford	11	9	<6	<6	<6	<6
Howard	13	6	<6	<6	<6	<6
Kent	<6	<6	<6	<6	<6	<6
Montgomery	42	15	9	12	s	<6
Prince George's	60	11	37	10	<6	<6
Queen Anne's	<6	<6	<6	<6	<6	<6
St. Mary's	6	<6	<6	<6	<6	<6
Somerset	<6	<6	<6	<6	<6	<6
Talbot	6	<6	<6	<6	<6	<6
Washington	13	9	<6	<6	<6	<6
Wicomico	9	7	<6	<6	<6	<6
Worcester	<6	<6	<6	<6	<6	<6

Total includes deaths reported as unknown race/ethnicity

<6 = Death counts of 0-5 are suppressed per MDH/CCPC Mortality Data Suppression Policy

s = Death counts are suppressed to prevent disclosure of data in other cell(s) (See Appendix A for methods)

All race counts, except Hispanic, are non-Hispanic/Latino

Source: Maryland Department of Health Vital Statistics Administration

Table 72
Cervical Cancer Age-Adjusted Mortality Rates* by Jurisdiction and Race/Ethnicity,
Maryland, 2018-2022

Jurisdiction	Total	Race/Ethnicity				
		White	Black	Hispanic	API	AIAN
Maryland	2.0	1.7	2.5	2.7	**	**
Allegany	**	**	**	**	**	**
Anne Arundel	1.4	1.4	**	**	**	**
Baltimore City	4.3	**	4.6	**	**	**
Baltimore	1.6	1.5	**	**	**	**
Calvert	**	**	**	**	**	**
Caroline	**	**	**	**	**	**
Carroll	**	**	**	**	**	**
Cecil	**	**	**	**	**	**
Charles	**	**	**	**	**	**
Dorchester	**	**	**	**	**	**
Frederick	**	**	**	**	**	**
Garrett	**	**	**	**	**	**
Harford	**	**	**	**	**	**
Howard	**	**	**	**	**	**
Kent	**	**	**	**	**	**
Montgomery	1.3	**	**	**	**	**
Prince George's	2.3	**	1.9	**	**	**
Queen Anne's	**	**	**	**	**	**
St. Mary's	**	**	**	**	**	**
Somerset	**	**	**	**	**	**
Talbot	**	**	**	**	**	**
Washington	**	**	**	**	**	**
Wicomico	**	**	**	**	**	**
Worcester	**	**	**	**	**	**

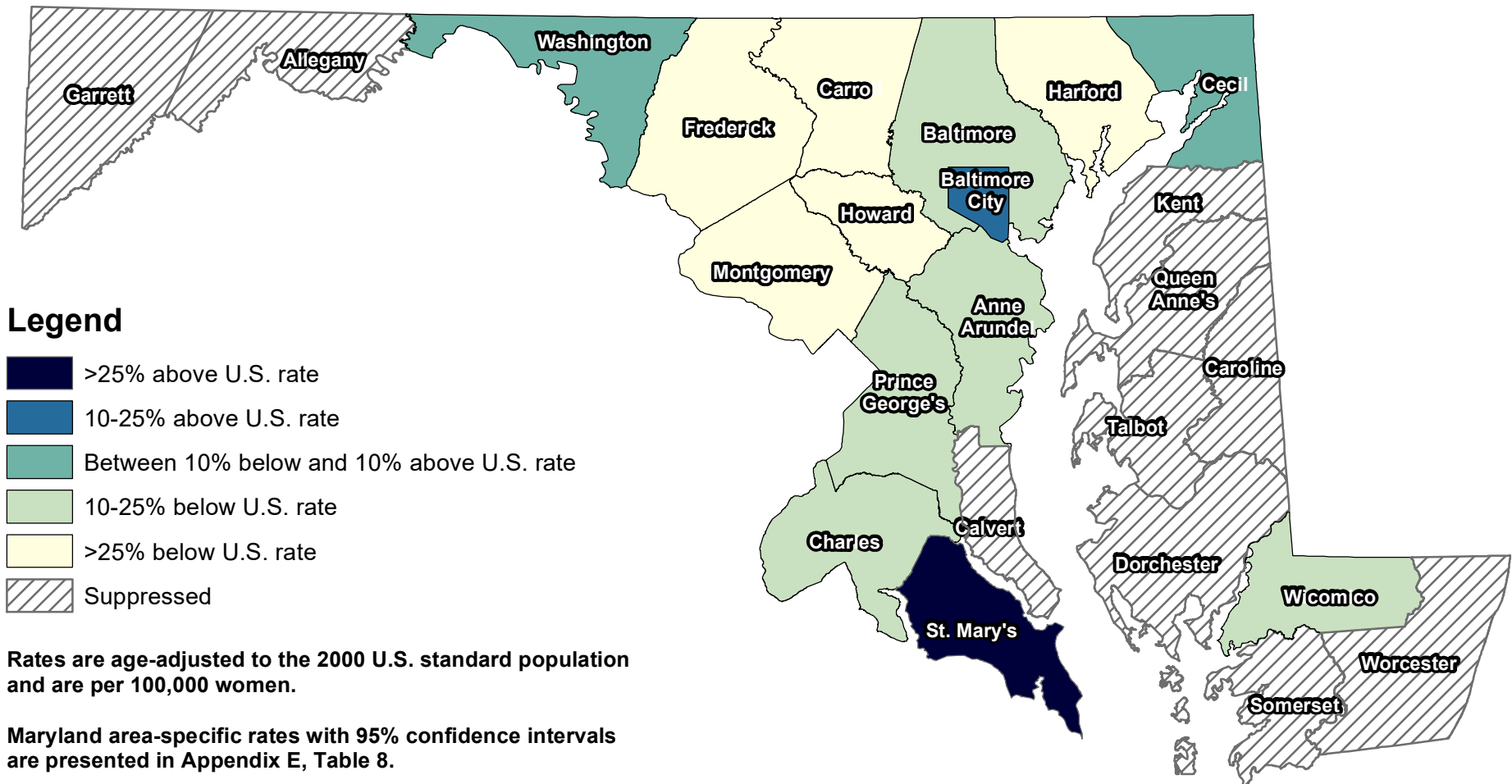
* Rates are per 100,000 women and age-adjusted to 2000 U.S. standard population

** Rates based on death counts of 0-19 are suppressed per MDH/CCPC Mortality Data Suppression Policy

All race rates, except Hispanic, are non-Hispanic/Latino

Source: Maryland Department of Health Vital Statistics Administration

Maryland Cervical Cancer Incidence Rates by Geographical Area: Comparison to U.S. Rate, 2018-2022



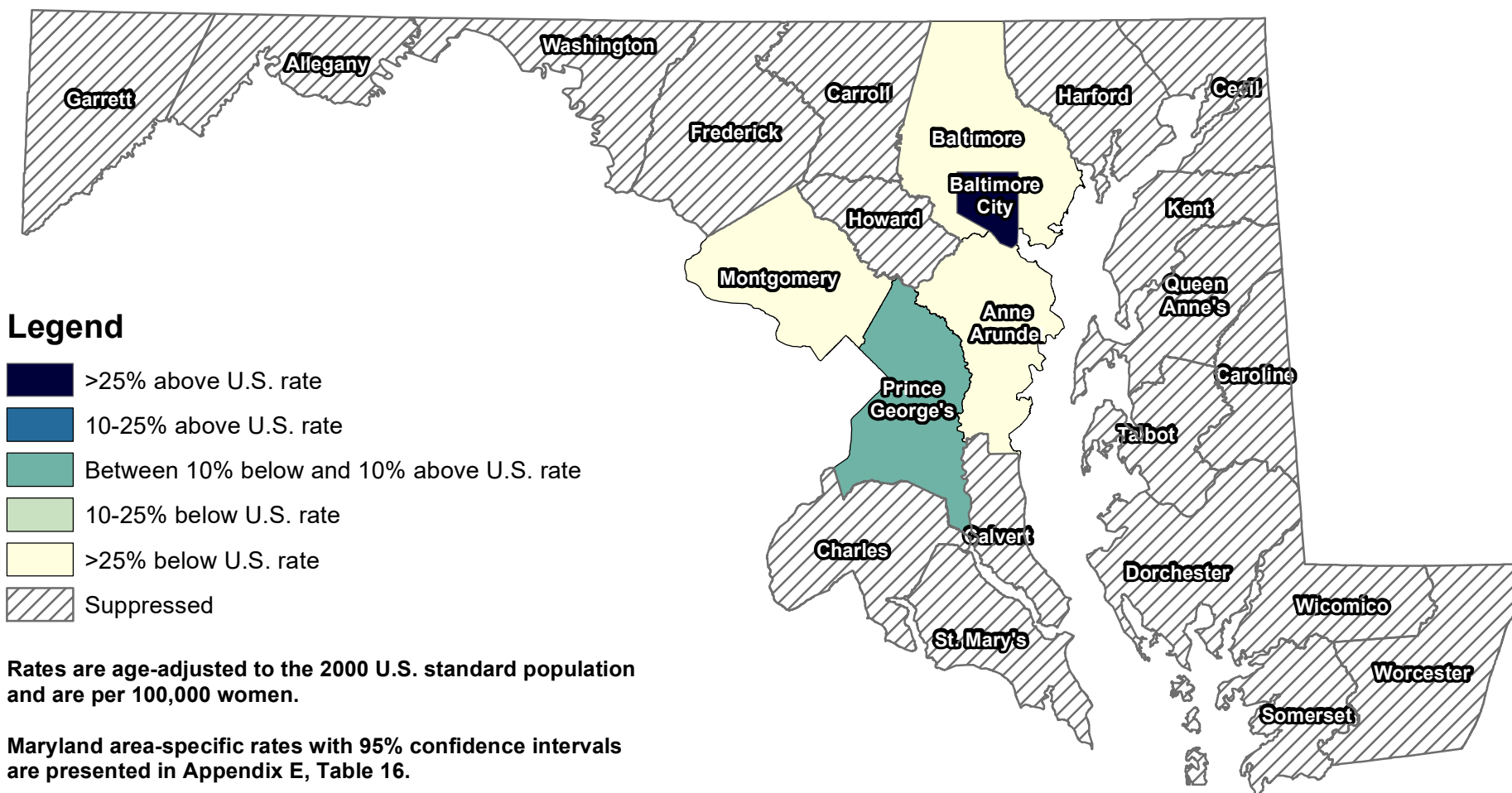
U.S. cervical cancer incidence rate, 2018-2022: 7.4 / 100,000

Maryland cervical cancer incidence rate, 2018-2022: 6.1 / 100,000

Sources: Maryland Cancer Registry
U.S. SEER, SEER*Stat Database

Note: Rates based on case counts of 1-15 are suppressed per MDH/MCR Data Use Policy and Procedures.

Maryland Cervical Cancer Mortality Rates by Geographical Area: Comparison to U.S. Rate, 2018-2022



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

Maryland area-specific rates with 95% confidence intervals are presented in Appendix E, Table 16.

U.S. cervical cancer mortality rate, 2018-2022: 2.2 / 100,000

Maryland cervical cancer mortality rate, 2018-2022: 2.0 / 100,000

Sources: Maryland Department of Health Vital Statistics Administration
U.S. SEER, Cancer Statistics Review

Note: Rates based on case counts of 0-19 are suppressed per MDH/CCPC Data Use Policy and Procedures.

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Appendix A

Cancer Data Sources, References, and Data Considerations

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2025 Cigarette Restitution Fund (CRF) Cancer Report Sources, References, and Data Considerations

I. DATA SOURCES

Data and information presented in the 2025 CRF Cancer Report were obtained from a variety of sources, including:

- Maryland Department of Health
 - Center for Cancer Prevention and Control
 - Center for Chronic Disease Prevention and Control
 - Center for Tobacco Prevention and Control
 - Vital Statistics Administration
 - Maryland Assessment Tool for Community Health (MATCH)
- National Cancer Institute (NCI, part of the National Institutes of Health)
- Centers for Disease Control and Prevention (CDC)

These sources and the types of information provided for the 2025 CRF Cancer Report are described in the following sections.

A. Cancer Incidence and Stage Data

1. Maryland Cancer Registry

The MCR, CCPC, MDH, is the source for all Maryland-specific cancer incidence and cancer stage data used in this report. The MCR is a computerized data system that collects and consolidates reports of all new cases of reportable cancers (excluding non-genital squamous cell or basal cell skin cancer) that are diagnosed and/or treated in Maryland and reported to the MCR. Incidence rates used in this report were calculated using cases reported to the MCR as of January 29, 2025, for the diagnosis year 2022.

Maryland cancer reporting law (Health-General Article §18-203 and 18-204) and regulations (Code of Maryland Regulations 10.14.01) mandate the collection of cancer information from Maryland-licensed hospitals, radiation therapy centers, diagnostic pathology laboratories, freestanding ambulatory care facilities, surgical centers, and physicians whose non-hospitalized cancer patients are not otherwise reported. The MCR has also signed the North American Association of Central Cancer Registries (NAACCR) National Interstate Data Exchange Agreement and at the point of reporting receives abstracts from 35 other states/jurisdictions: Alabama, Arkansas, California, Colorado, Delaware, Florida, Georgia, Hawaii, Idaho, Kentucky, Louisiana, Maine, Massachusetts, Michigan, Minnesota, Mississippi, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New York, North Carolina, Ohio, Oklahoma, Pennsylvania, Rhode Island, South Carolina, Tennessee, Texas, Utah, Virginia, West Virginia, Wisconsin, and the District of Columbia. Information on Maryland residents diagnosed and/or treated for cancer in these jurisdictions is included in this report.

2. Surveillance, Epidemiology, and End Results Program

The SEER Program, managed by the NCI, is an authoritative source of information on cancer incidence, stage, and survival in the U.S.

The SEER Program, which began in 1973 and provides incidence rates representative of the U.S., collects, analyzes, and publishes cancer incidence and survival data from population-based cancer registries participating in the program. Since 2000, SEER incidence data has been collected from 22 SEER registries throughout the U.S. (SEER 22 registry database) and covers approximately 47.9% of the U.S. population. The SEER Program includes select geographic areas based on their ability to operate and maintain a high-quality population-based cancer reporting system and for their epidemiologically significant population subgroups. The population covered by SEER is comparable to the general U.S. population with regards to measures of poverty and education; however, it is also selectively more urban and has a higher proportion of foreign-born persons than the general U.S. population.

SEER 22 incidence data are used in this report to compare national data with the most recent Maryland incidence data (2018-2022), as they provide the broadest population coverage currently available. All SEER incidence rates were obtained by the MCR from SEER*Stat (version 8.4.3), a statistical software tool for the analysis of SEER and other cancer-related databases. Additional information about SEER can be found at <http://www.seer.cancer.gov>.

The Maryland population estimates for 2022 presented in Appendix B were also obtained from SEER*Stat.

B. Cancer Mortality Data

Maryland mortality data for 2021 to 2022, and the 5-year aggregate data (2018 to 2022) were acquired from Maryland Department of Health Vital Statistics Administration. Maryland mortality single year data for 2018 to 2020, when not stratified by race/ethnicity, presented in this report were obtained from the NCHS Underlying Causes of Death accessed using CDC WONDER. Data are based on death certificates for U.S. residents. Each death certificate identifies a single underlying cause of death and demographic data. Mortality data for the individual years 2013 to 2016 for Maryland were obtained from the 1999-2016 CMF using ICD Tenth Revision (ICD-10) codes. The U.S. mortality rates for single year 2013 to 2022 and 5-year aggregate data (2018 to 2022) were obtained from SEER, Cancer Statistics Review (CSR), which are provided by NCHS.

C. Behavioral and Risk Factor Data

The data on the prevalence of cancer screening and prevalence of various risk factors for cancer in Maryland are obtained from several different sources, as described below.

1. Maryland Behavioral Risk Factor Surveillance System

The Maryland BRFSS is used as a source of data on the prevalence of cancer screening (e.g., mammograms) and cancer risk behaviors (e.g., sun exposure) in Maryland. The BRFSS is an annual telephone survey conducted on a random sample of Maryland adult residents and is managed by the Center for Chronic Disease Prevention and Control, Cancer and Chronic Disease Bureau at MDH. This survey provided risk behavior and cancer screening information for this report. Maryland data can be accessed at <https://ibis.health.maryland.gov> and Maryland and state-aggregated national data on health risk behavior can also be obtained from the CDC BRFSS website at <http://www.cdc.gov/brfss>.

2. Healthy People 2030

HP 2030 is a collaboration of local and national governmental agencies and private organizations that have developed prevention-oriented national objectives to improve the health of Americans. The HP initiative is under the Office of Disease Prevention and Health Promotion at the U.S. Department of Health and Human Services. The overarching HP 2030 goal for cancer prevention is to “reduce new cases of cancer and cancer-related illness, disability, and death.” To achieve this goal, measurable objectives related to cancer screening and cancer risk behaviors were established, each with a specific quantitative target, and several of these targets are used as benchmarks by which Maryland’s progress can be measured. The HP 2030 objectives were released in late 2020 and additional information can be found at <http://www.healthypeople.gov>.

3. Maryland Comprehensive Cancer Control Plan, 2021-2025

The MCCCCP contains goals and targets to be met by the State by the end of a 5-year period (2021 to 2025), which serve as a guide for health professionals who are involved in planning, directing, implementing, evaluating, or performing research on cancer control in Maryland. Targets in this report are referred to as the 2025 MCCCCP targets.

The 2021-2025 MCCCCP was the coordinated effort of 49 stakeholders and several MDH offices and centers, with the aim of developing a cancer resource for individuals, healthcare providers, and organizations. The MCCCCP is directed by CCPC, MDH, with broad input from a partnership of public and private stakeholders. Additional information can be found at <https://phpa.health.maryland.gov/cancer/cancerplan/Pages/publications.aspx>.

II. DATA CONSIDERATIONS

A. Data Confidentiality

MDH regards all individual data reported to and received and processed by the MCR as confidential and ensures they are secured from unauthorized access and disclosure. The MCR manages and releases cancer information in accordance with Health-General Article, §§18-203 – 204 and §4-101 et seq., Annotated Code of Maryland, and Code of Maryland Regulations 10.14.01 (“Cancer Registry”).

Because incidence data and mortality data come from different sources, separate suppression procedures are employed for release of non-confidential data. For the number of cancer cases collected by the MCR and for incidence rates calculated using case and population data, the following protocols apply: To ensure patient confidentiality and to comply with the *MCR Data Use Manual and Procedures* (July 2016; https://phpa.health.maryland.gov/cancer/Pages/mcr_data.aspx), cells with counts of 1-5 cases are suppressed and presented as “<6.” Complementary suppression of case counts in additional cell(s) is used, denoted by “s,” to prevent back-calculation of numbers in those cells with primary suppression. Age-adjusted incidence rates based on counts of 15 or fewer (non-zero) are presented with asterisks (**) because the rates are unstable and do not provide reliable information.

Mortality data for this report are from MDH Vital Statistics Administration. ICD-10 codes listed in Appendix D of this report were used for identifying the type of cancer for extraction. The following protocols are applied to mortality data in this report: Death counts of 0-5 are suppressed and denoted by “<6.” Complementary suppression of death counts in additional cell(s) is used, as denoted by the letter “s,” to prevent back-calculation of numbers in cells with primary suppression. Age-adjusted mortality rates based on counts of less than 20 (i.e., 0-19 deaths) are presented with asterisks (denoted by ** symbol) because the rates are unstable and do not provide reliable information. This threshold is more stringent than the criteria used in the *MDH/MCR Data Use Policy* for incidence rate suppression.

B. Gender

Gender is reported to the MCR as: a) male; b) female; c) hermaphrodite; d) transsexual; and e) unknown (not stated), but numbers and rates for only males and females are provided in this report. As a result, the totals shown in the count for number of cancer cases may not equal the sum of males and females because of cases in the other gender categories.

C. County

County is reported to the MCR as the jurisdiction of residence for each cancer case (i.e., one of the 24 jurisdictions in Maryland) or is categorized as unknown. As a result, the totals shown in the count for number of cancer cases may not equal the sum of the cancer cases across all 24 jurisdictions because of cases with unknown county.

D. Rate Analysis

Individual year incidence rates for 2022 were calculated using Maryland resident cancer cases diagnosed from January 1 through December 31 of that year and reported to the MCR as of January 29, 2025. The individual year mortality data for 2022 consists of deaths that occurred between January 1 and December 31 of that year. Multiple year incidence rates presented were calculated for 5-year rates using MCR 2018-2022 data. Corresponding mortality rates were extracted from Maryland Department of Health Vital Statistics Administration, as 5-year combined data from 2018 to 2022.

Age-adjustment, also called age-standardization, is a tool used to control for different and changing age distributions of populations in the U.S. (by states, regions, and counties), and to enable meaningful comparisons of rates over time and across these populations. Age-adjusted rates do not include cancer cases for which age has not been reported. Incidence and mortality rates in this report were calculated and age-adjusted using the 2000 U.S. standard population. Additional information on age-adjustment can be found at <http://www.cdc.gov/nchs/data/statnt/statnt20.pdf>.

The annual percent change (APC) is calculated for incidence and mortality trends and for tracking incidence and mortality rates by race and gender over time. See the Glossary for the definition of APC.

E. Confidence Intervals and Statistical Significance

Age-adjusted rates for specific geographic areas (e.g., national, states, regions, and counties) can be compared to determine whether differences in incidence or mortality exist between these areas. It is important to note however, that incidence and mortality rates, particularly those based on small numbers of events (cases or deaths) or small population sizes, can be highly variable from year to year. In these instances, two unadjusted rates cannot be compared side-by-side to determine whether they are statistically significantly different.

A confidence interval is used to describe the range of uncertainty around a point estimate (e.g., an incidence or mortality rate) and serves as an indicator of the precision or stability of a rate. Confidence intervals are useful in defining a range within which the typical rate for a geographic area can be expected to lie. Most confidence intervals are, by convention, calculated at the 95% level, which means that 95% of hypothetically observed confidence intervals generated will contain the true value of interest. The

smaller the number of events upon which a rate is based, the wider the confidence interval will be.

Confidence intervals for incidence and mortality rates are included in this report to facilitate comparisons between rates, such as the comparison of Maryland rates to U.S. rates. Confidence intervals for Maryland and SEER 22 incidence and mortality rates, provided by the MCR, are calculated from the SEER*Stat software. The following formula can be used to approximate the 95% CI for age-adjusted rates:

$$\text{Lower limit} = R - [1.96 (R / \sqrt{n})]$$

$$\text{Upper limit} = R + [1.96 (R / \sqrt{n})]$$

where R = age-adjusted cancer incidence or mortality rate and n = number of events (cancer cases or deaths).

When the confidence intervals around two rates (e.g., state and U.S. rates) do not overlap, it can be stated that there is a statistically significant difference between the rates. For example, Maryland's 2022 lung cancer mortality rate was 26.9 per 100,000, with a 95% confidence interval of 25.8-28.1. The 2022 U.S. SEER age-adjusted lung cancer mortality rate was 29.9 per 100,000 population, with a 95% confidence interval of 29.7-30.1. Since these confidence intervals do not overlap, the two rates are considered to be statistically significantly different (i.e., the difference between these rates is more than that expected by chance).

If the two confidence intervals overlap and if the rate for one area is included in the confidence interval of the other rate, then there is not a statistically significant difference between the rates. However, when there is overlap in the confidence intervals for two rates, and the rate for the comparison area is not included in the interval for the rate of interest, the two rates may or may not be statistically significantly different. In this situation, statistical testing methods described by NAACCR, Cancer in North America (May 2010) are used in this report to determine whether the differences between the two rates are statistically significant. An approximate confidence interval for the rate ratio of two age-adjusted rates can be calculated using the following formula:

$$(R_1 / R_2)^{1 \pm z / x}$$

where R₁ and R₂ are the age-adjusted rates being compared;
SE₁ and SE₂ are the standard errors for the respective rates;
z = 1.96 for 95% confidence intervals; and
x = (R₁-R₂) / $\sqrt{(SE_1^2 + SE_2^2)}$

If the confidence interval for the rate ratio includes the value of one, then the two rates are not statistically significantly different (i.e., p-value greater than 0.05).

In this report, when two rates are not statistically significantly different, they are described as being "similar."

F. National Comparison Data

Maryland (Statewide) and county incidence and mortality rates are compared to U.S. SEER 22 incidence rates and U.S. mortality rates from NCHS (see Sections I.A and I.B).

Data used for Maryland cancer mortality ranking by cancer site are from the National Institutes of Health NCI State Cancer Profiles death rates tables. Maryland's mortality ranking among the 50 states and the District of Columbia for all cancer sites combined and for specific targeted cancers is based 2022 age-adjusted rates. Because mortality rates describe the cancer burden better than incidence rates, only Maryland rankings for mortality are presented for each targeted cancer.

Maps included with this data display comparisons of Maryland incidence and mortality rates by geographical area to U.S. rates. For both incidence and mortality rate maps, the 5-year (2018 to 2022) U.S. rate was used as a basis for comparison with rates for Maryland jurisdictions. A ramp is used for grouping Maryland data into categories in reference to U.S. rates. The ramp groups data into five divisions: >25% above U.S. rate; 10-25% above U.S. rate; between 10% below and 10% above U.S. rate; 10-25% below U.S. rate; and >25% below U.S. rate. Note that 10-25% includes 10% and 25%, but less than 10% and more than 25% do not include the endpoints of the range.

G. Race and Hispanic Ethnicity

The MCR began requiring submission of more detailed data on race and ethnicity in August 1998. Incidence data provided by the MCR include the following race/ethnicity categories: non-Hispanic White (White), non-Hispanic Black (Black), Hispanic, non-Hispanic Asian or Pacific Islander (Asian/Pacific Islander), non-Hispanic American Indian or Alaska Native (American Indian/Alaska Native), and unknown (not stated).

Hispanic ethnicity is determined using the NAACCR Hispanic Identification Algorithm. This algorithm uses a combination of NAACCR variables to classify cases as Hispanic. "Hispanic" includes people reported to the MCR as Spanish/Hispanic origin plus those with "derived" Hispanic origin. The derivation is an algorithm based on the person having a Hispanic surname (last or maiden name) and their country of birth, race, and sex.

Mortality data (death counts and rates) in this report were obtained from the NCHS CMF in CDC WONDER, SEER CSR, and the MDH Vital Statistics Administration. Race data is based on information collected on death certificates. NCHS, in collaboration with the U.S. Census Bureau, developed a race-bridging methodology for assigning multiple-race groups to single-race categories. Race/ethnicity for data from 2018 to 2022 was categorized the same as incidence.

H. Healthy People 2030 Targets

In this 2025 CRF Cancer Report, quantitative HP 2030 targets are compared to Maryland data related to cancer risk behaviors and adherence to cancer screening recommendations. Specifically, HP 2030 targets are compared to data from the Maryland BRFSS. The data from these Maryland surveys are weighted to the age, race, and gender of the Maryland population and, unlike the national data that serve as the basis for HP 2030 targets, Maryland BRFSS data are not age-adjusted to the 2000 U.S. standard population.

Appendix B

Maryland Population Estimates, 2022

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Maryland Population Estimates by Jurisdiction, 2022

Jurisdiction	Total All Genders	Total Male	Total Female	Total White	White Male	White Female	Total Black	Black Male	Black Female	Total Hispanic	Hispanic Male	Hispanic Female	Total API	API Male	API Female	Total AIAN	AIAN Male	AIAN Female
Maryland	6,164,660	3,001,909	3,162,751	3,047,265	1,503,364	1,543,901	1,935,781	906,154	1,029,627	706,816	365,239	341,577	456,654	218,483	238,171	18,144	8,669	9,475
Baltimore Metropolitan Area	2,783,961	1,344,965	1,438,996	1,520,918	749,058	771,860	866,025	398,026	467,999	196,265	100,921	95,344	192,659	93,075	99,584	8,094	3,885	4,209
Anne Arundel County	593,286	294,149	299,137	387,754	192,999	194,755	117,361	57,056	60,305	55,856	28,966	26,890	30,619	14,296	16,323	1,696	832	864
Baltimore City	569,931	265,001	304,930	158,381	77,644	80,737	356,136	159,791	196,345	36,124	18,446	17,678	17,316	8,222	9,094	1,974	898	1,076
Baltimore County	846,161	402,480	443,681	459,285	221,744	237,541	270,022	122,238	147,784	55,641	28,632	27,009	58,618	28,640	29,978	2,595	1,226	1,369
Carroll County	175,305	87,546	87,759	153,768	76,417	77,351	7,970	4,308	3,662	8,122	4,240	3,882	5,072	2,379	2,693	373	202	171
Harford County	263,867	130,118	133,749	196,833	97,228	99,605	42,563	20,712	21,851	14,024	7,264	6,760	9,740	4,578	5,162	707	336	371
Howard County	335,411	165,671	169,740	164,897	83,026	81,871	71,973	33,921	38,052	26,498	13,373	13,125	71,294	34,960	36,334	749	391	358
Eastern Shore Region	463,140	227,039	236,101	344,863	168,723	176,140	81,174	39,607	41,567	26,503	13,636	12,867	9,242	4,376	4,866	1,358	697	661
Caroline County	33,433	16,363	17,070	25,157	12,254	12,903	4,762	2,231	2,531	2,984	1,626	1,358	403	190	213	127	62	65
Cecil County	104,942	52,328	52,614	88,354	43,960	44,394	8,940	4,435	4,505	5,463	2,934	2,529	1,866	834	1,032	319	165	154
Dorchester County	32,726	15,469	17,257	20,538	9,883	10,655	9,569	4,366	5,203	2,098	988	1,110	406	176	230	115	56	59
Kent County	19,320	9,346	9,974	15,239	7,327	7,912	2,789	1,300	1,489	961	557	404	289	137	152	42	25	17
Queen Anne's County	51,711	25,800	25,911	44,871	22,422	22,449	3,301	1,624	1,677	2,555	1,285	1,270	845	397	448	139	72	67
Somerset County	24,546	13,407	11,139	13,004	6,732	6,272	10,131	5,968	4,163	1,053	523	530	263	131	132	95	53	42
Talbot County	37,932	18,091	19,841	29,374	14,008	15,366	4,912	2,315	2,597	2,979	1,455	1,524	587	267	320	80	46	34
Wicomico County	104,664	49,796	54,868	64,643	30,747	33,896	29,822	14,045	15,777	6,316	3,147	3,169	3,597	1,719	1,878	286	138	148
Worcester County	53,866	26,439	27,427	43,683	21,390	22,293	6,948	3,323	3,625	2,094	1,121	973	986	525	461	155	80	75
National Capital Area	1,999,492	971,263	1,028,229	561,321	277,111	284,210	802,908	374,501	428,407	412,243	213,810	198,433	217,480	103,321	114,159	5,540	2,520	3,020
Montgomery County	1,052,521	513,460	539,061	449,905	221,123	228,782	210,381	99,706	110,675	213,926	108,052	105,874	176,058	83,498	92,560	2,251	1,081	1,170
Prince George's County	946,971	457,803	489,168	111,416	55,988	55,428	592,527	274,795	317,732	198,317	105,758	92,559	41,422	19,823	21,599	3,289	1,439	1,850
Northwest Region	538,515	271,235	267,280	404,038	199,774	204,264	61,979	34,754	27,225	47,295	24,409	22,886	24,039	11,713	12,326	1,164	585	579
Allegany County	67,267	35,317	31,950	59,126	29,530	29,596	5,685	4,410	1,275	1,488	941	547	850	378	472	118	58	60
Frederick County	287,079	142,368	144,711	198,406	97,912	100,494	34,373	17,257	17,116	34,193	17,387	16,806	19,397	9,450	9,947	710	362	348
Garrett County	28,579	14,263	14,316	27,586	13,758	13,828	391	215	176	386	197	189	159	69	90	57	24	33
Washington County	155,590	79,287	76,303	118,920	58,574	60,346	21,530	12,872	8,658	11,228	5,884	5,344	3,633	1,816	1,817	279	141	138
Southern Region	379,552	187,407	192,145	216,125	108,698	107,427	123,695	59,266	64,429	24,510	12,463	12,047	13,234	5,998	7,236	1,988	982	1,006
Calvert County	94,573	47,073	47,500	72,956	36,465	36,491	13,809	6,786	7,023	4,878	2,412	2,466	2,560	1,199	1,361	370	211	159
Charles County	170,102	82,395	87,707	58,248	29,053	29,195	91,223	43,283	47,940	12,754	6,489	6,265	6,735	3,031	3,704	1,142	539	603
St. Mary's County	114,877	57,939	56,938	84,921	43,180	41,741	18,663	9,197	9,466	6,878	3,562	3,316	3,939	1,768	2,171	476	232	244

Source: SEER*Stat static data as of January 29, 2025

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Appendix C

U.S. Standard Population, 2000

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2000 U.S. Standard Population

Age Group	2000 Population
Less than 01 years	3,794,901
01-04 years	15,191,619
05-09 years	19,919,840
10-14 years	20,056,779
15-19 years	19,819,518
20-24 years	18,257,225
25-29 years	17,722,067
30-34 years	19,511,370
35-39 years	22,179,956
40-44 years	22,479,229
45-49 years	19,805,793
50-54 years	17,224,359
55-59 years	13,307,234
60-64 years	10,654,272
65-69 years	9,409,940
70-74 years	8,725,574
75-79 years	7,414,559
80-84 years	4,900,234
85+ years	4,259,173
Total	274,633,642

Source: National Cancer Institute, SEER, 2000

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Appendix D

Definitions of International Classification of Diseases (ICD) Codes Used for Cancer Incidence and Mortality

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**International Classification of Diseases for Oncology, 3rd Edition (ICD-O-3) Codes
Used for Cancer Incidence and
International Classification of Diseases, 10th Revision (ICD-10) Codes
Used for Cancer Mortality**

Cancer Site	Incidence (ICD-O-3)		Mortality (ICD-10)
	Topography (Site)	Histology	
All Cancer Sites	C00.0-C80.9	Includes all invasive cancers of all sites, except basal and squamous cell skin cancers, and includes <i>in situ</i> cancer of the urinary bladder	C00-C97, D09.0
Lung and Bronchus	C34.0-C34.9	Excludes codes 9050-9055, 9140, and 9590-9989	C34
Colon and Rectum	C18.0-C20.9, C26.0	Excludes codes 9050-9055, 9140, and 9590-9989	C18-C20, C26.0
Female Breast	C50.0-C50.9 (female only)	Excludes codes 9050-9055, 9140, and 9590-9989	C50 (female only)
Prostate	C61.9	Excludes codes 9050-9055, 9140, and 9590-9990	C61
Oral Cavity and Pharynx	C00.0-C14.8	Excludes codes 9050-9055, 9140, and 9590-9989	C00-C14
Melanoma of the Skin	C44.0-C44.9	Includes only codes 8720-8790	C43
Cervix	C53.0-C53.9	Excludes codes 9050-9055, 9140, and 9590-9989	C53

Note: Most cancer mortality (ICD-10) codes are similar to cancer incidence (ICD-O-3) topography (site) codes

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Appendix E

Maryland Cancer Incidence and Mortality Rates by Geographical Area, 2018-2022

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Appendix E

**Table 1: All Cancer Sites Incidence
Age-Adjusted Incidence Rates
by Geographical Area, Maryland, 2018-2022**

Geographical Area	Incidence Rates*	95% Confidence Interval	
		Lower CI	Upper CI
Maryland	442.0	439.8	444.1
Baltimore Metropolitan Area ^	461.2	457.5	464.9
Anne Arundel	461.6	454.4	468.9
Baltimore City	463.4	456.0	471.0
Baltimore	471.5	465.6	477.5
Carroll	494.0	480.7	507.5
Harford	478.0	467.3	489.0
Howard	400.9	391.8	410.1
Eastern Shore Region	470.7	463.0	478.6
Caroline	463.4	434.5	493.7
Cecil	465.0	448.1	482.5
Dorchester	492.6	463.4	523.2
Kent	489.3	452.0	529.4
Queen Anne's	456.0	433.4	479.6
Somerset	462.7	429.0	498.5
Talbot	462.8	437.2	489.7
Wicomico	484.4	466.7	502.7
Worcester	481.7	459.8	504.5
National Capital Area	388.5	384.9	392.1
Montgomery	384.9	380.0	389.8
Prince George's	393.1	387.7	398.7
Northwest Region	453.2	445.8	460.7
Allegany	518.2	497.5	539.7
Frederick	448.2	437.7	458.9
Garrett	377.6	351.1	405.7
Washington	446.6	433.3	460.2
Southern Region	455.5	446.3	464.8
Calvert	475.2	457.2	493.8
Charles	436.2	422.5	450.1
St. Mary's	465.2	448.2	482.6

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

^ Area rate does not include Baltimore City

Source: Maryland Cancer Registry, SEER*stat Static Data as of January 29, 2025

Appendix E

**Table 2: Lung and Bronchus Cancer Incidence
Age-Adjusted Incidence Rates
by Geographical Area, Maryland, 2018-2022**

Geographical Area	Incidence Rates*	95% Confidence Interval	
		Lower CI	Upper CI
Maryland	47.4	46.7	48.1
Baltimore Metropolitan Area ^	52.0	50.8	53.2
Anne Arundel	52.0	49.6	54.4
Baltimore City	68.5	65.7	71.3
Baltimore	57.0	55.1	59.1
Carroll	53.8	49.7	58.3
Harford	57.6	54.0	61.3
Howard	31.9	29.4	34.6
Eastern Shore Region	57.5	55.0	60.1
Caroline	61.0	51.1	72.5
Cecil	64.4	58.5	70.9
Dorchester	56.4	47.5	66.6
Kent	54.8	44.3	67.8
Queen Anne's	42.1	35.7	49.4
Somerset	70.7	58.4	85.1
Talbot	49.9	42.6	58.5
Wicomico	67.4	61.1	74.2
Worcester	50.1	44.2	56.9
National Capital Area	30.8	29.8	31.8
Montgomery	27.2	26.0	28.5
Prince George's	35.4	33.8	37.1
Northwest Region	51.0	48.6	53.4
Allegany	66.9	60.1	74.4
Frederick	44.3	41.1	47.7
Garrett	33.5	26.8	41.8
Washington	58.3	53.8	63.1
Southern Region	53.8	50.7	57.1
Calvert	59.2	53.1	65.9
Charles	48.9	44.4	53.8
St. Mary's	56.0	50.3	62.2

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

^ Area rate does not include Baltimore City

Source: Maryland Cancer Registry, SEER*stat Static Data as of January 29, 2025

Appendix E

Table 3: Colorectal Cancer Incidence
Age-Adjusted Incidence Rates
by Geographical Area, Maryland, 2018-2022

Geographical Area	Incidence Rates*	95% Confidence Interval	
		Lower CI	Upper CI
Maryland	34.3	33.7	35.0
Baltimore Metropolitan Area ^	35.9	34.9	37.0
Anne Arundel	35.3	33.3	37.4
Baltimore City	37.5	35.3	39.7
Baltimore	36.8	35.1	38.5
Carroll	37.3	33.6	41.2
Harford	39.2	36.1	42.5
Howard	30.9	28.4	33.6
Eastern Shore Region	37.1	34.9	39.4
Caroline	38.9	30.7	48.8
Cecil	37.2	32.5	42.4
Dorchester	52.3	42.5	63.8
Kent	35.0	25.4	47.5
Queen Anne's	33.2	27.2	40.2
Somerset	34.0	25.3	44.9
Talbot	37.8	29.9	47.2
Wicomico	38.6	33.5	44.2
Worcester	33.0	27.6	39.4
National Capital Area	30.3	29.3	31.3
Montgomery	28.4	27.1	29.8
Prince George's	32.6	31.0	34.2
Northwest Region	35.2	33.1	37.3
Allegany	43.7	37.7	50.5
Frederick	32.2	29.4	35.2
Garrett	34.9	27.2	44.4
Washington	35.8	32.0	39.8
Southern Region	34.2	31.7	36.8
Calvert	34.6	29.7	40.0
Charles	32.0	28.4	35.9
St. Mary's	37.1	32.4	42.3

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

^ Area rate does not include Baltimore City

Source: Maryland Cancer Registry, SEER*stat Static Data as of January 29, 2025

Appendix E

Table 4: Female Breast Cancer Incidence
Age-Adjusted Incidence Rates
by Geographical Area, Maryland, 2018-2022

Geographical Area	Incidence Rates*	95% Confidence Interval	
		Lower CI	Upper CI
Maryland	137.0	135.3	138.7
Baltimore Metropolitan Area ^	143.6	140.8	146.6
Anne Arundel	141.5	135.9	147.3
Baltimore City	124.5	119.2	130.0
Baltimore	144.6	140.0	149.3
Carroll	151.7	141.3	162.6
Harford	145.8	137.5	154.5
Howard	137.1	129.8	144.8
Eastern Shore Region	125.8	120.1	131.8
Caroline	119.4	99.6	142.3
Cecil	123.1	111.1	136.1
Dorchester	117.2	98.0	139.4
Kent	122.2	94.5	156.2
Queen Anne's	137.6	120.0	157.3
Somerset	119.7	94.7	149.8
Talbot	150.8	129.1	175.3
Wicomico	117.3	105.1	130.5
Worcester	131.4	114.7	150.1
National Capital Area	134.1	131.2	137.1
Montgomery	137.8	133.8	142.0
Prince George's	129.9	125.6	134.2
Northwest Region	139.2	133.3	145.2
Allegany	136.0	120.2	153.4
Frederick	141.0	132.8	149.6
Garrett	115.2	94.6	139.5
Washington	141.3	130.5	152.9
Southern Region	138.6	131.6	145.9
Calvert	140.0	126.3	154.8
Charles	138.3	127.9	149.2
St. Mary's	138.0	125.1	151.9

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

^ Area rate does not include Baltimore City

Source: Maryland Cancer Registry, SEER*stat Static Data as of January 29, 2025

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Table 5: Prostate Cancer Incidence
Age-Adjusted Incidence Rates
by Geographical Area, Maryland, 2018-2022

Geographical Area	Incidence Rates*	95% Confidence Interval	
		Lower CI	Upper CI
Maryland	140.9	139.1	142.6
Baltimore Metropolitan Area ^	136.7	133.9	139.6
Anne Arundel	126.7	121.5	132.2
Baltimore City	147.5	141.3	153.9
Baltimore	143.2	138.5	147.9
Carroll	150.6	140.7	161.1
Harford	119.6	112.2	127.4
Howard	143.8	136.2	151.7
Eastern Shore Region	126.2	120.8	131.8
Caroline	115.9	96.6	138.5
Cecil	100.8	90.4	112.1
Dorchester	137.6	117.6	160.6
Kent	166.1	139.9	197.2
Queen Anne's	127.8	112.2	145.2
Somerset	121.8	99.1	148.6
Talbot	122.4	105.3	142.1
Wicomico	145.5	132.1	160.0
Worcester	124.6	110.7	140.2
National Capital Area	139.2	136.1	142.4
Montgomery	127.0	123.0	131.0
Prince George's	154.3	149.3	159.4
Northwest Region	114.4	109.3	119.7
Allegany	124.6	111.1	139.5
Frederick	122.6	114.9	130.6
Garrett	118.7	99.2	141.6
Washington	94.6	86.3	103.5
Southern Region	141.4	134.3	148.8
Calvert	144.5	131.1	159.1
Charles	152.8	141.3	165.0
St. Mary's	121.1	109.3	133.8

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

^ Area rate does not include Baltimore City

Source: Maryland Cancer Registry, SEER*stat Static Data as of January 29, 2025

Appendix E

Table 6: Oral Cancer Incidence
Age-Adjusted Incidence Rates
by Geographical Area, Maryland, 2018-2022

Geographical Area	Incidence Rates*	95% Confidence Interval	
		Lower CI	Upper CI
Maryland	10.7	10.4	11.1
Baltimore Metropolitan Area ^	11.6	11.0	12.2
Anne Arundel	12.4	11.3	13.6
Baltimore City	10.4	9.3	11.6
Baltimore	12.2	11.2	13.2
Carroll	12.3	10.4	14.5
Harford	11.2	9.6	13.0
Howard	8.2	7.0	9.6
Eastern Shore Region	13.2	11.9	14.5
Caroline	10.4	6.6	15.9
Cecil	13.3	10.6	16.5
Dorchester	11.3	7.4	16.7
Kent	14.6	8.7	23.7
Queen Anne's	12.1	8.8	16.3
Somerset	14.9	9.5	22.5
Talbot	10.8	7.4	15.7
Wicomico	16.5	13.3	20.1
Worcester	12.2	9.0	16.5
National Capital Area	8.0	7.5	8.6
Montgomery	8.3	7.6	9.0
Prince George's	7.7	7.0	8.6
Northwest Region	13.9	12.6	15.2
Allegany	15.5	12.1	19.6
Frederick	12.6	10.9	14.4
Garrett	11.3	7.2	17.4
Washington	16.0	13.6	18.8
Southern Region	11.8	10.4	13.3
Calvert	12.9	10.3	16.1
Charles	11.4	9.3	13.8
St. Mary's	11.5	9.0	14.5

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

^ Area rate does not include Baltimore City

Source: Maryland Cancer Registry, SEER*stat Static Data as of January 29, 2025

Appendix E

**Table 7: Melanoma Incidence
Age-Adjusted Incidence Rates
by Geographical Area, Maryland, 2018-2022**

Geographical Area	Incidence Rates*	95% Confidence Interval	
		Lower CI	Upper CI
Maryland	24.8	24.3	25.3
Baltimore Metropolitan Area ^	33.6	32.6	34.6
Anne Arundel	37.9	35.8	40.1
Baltimore City	10.3	9.2	11.4
Baltimore	28.8	27.4	30.4
Carroll	42.4	38.4	46.6
Harford	40.9	37.7	44.2
Howard	27.7	25.4	30.3
Eastern Shore Region	34.6	32.5	36.8
Caroline	22.2	16.1	29.9
Cecil	31.2	26.9	36.1
Dorchester	22.5	16.7	30.0
Kent	43.1	31.8	57.4
Queen Anne's	46.3	39.0	54.6
Somerset	21.4	14.7	30.4
Talbot	38.5	31.8	46.5
Wicomico	26.8	22.7	31.5
Worcester	53.0	45.7	61.3
National Capital Area	14.0	13.3	14.7
Montgomery	20.7	19.6	21.9
Prince George's	5.6	5.0	6.3
Northwest Region	30.4	28.5	32.4
Allegany	30.8	25.6	36.7
Frederick	31.4	28.7	34.3
Garrett	30.1	22.7	39.4
Washington	29.2	25.8	32.9
Southern Region	23.8	21.7	26.0
Calvert	38.1	33.1	43.8
Charles	13.5	11.2	16.1
St. Mary's	26.0	22.1	30.6

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

^ Area rate does not include Baltimore City

Source: Maryland Cancer Registry, SEER*stat Static Data as of January 29, 2025

Appendix E

**Table 8: Cervical Cancer Incidence
Age-Adjusted Incidence Rates
by Geographical Area, Maryland, 2018-2022**

Geographical Area	Incidence Rates*	95% Confidence Interval	
		Lower CI	Upper CI
Maryland	6.1	5.7	6.5
Baltimore Metropolitan Area ^	5.7	5.1	6.4
Anne Arundel	5.9	4.8	7.3
Baltimore City	8.4	7.1	10.0
Baltimore	6.2	5.2	7.4
Carroll	5.3	3.3	8.1
Harford	5.3	3.7	7.4
Howard	4.9	3.5	6.6
Eastern Shore Region	7.0	5.5	8.8
Caroline	**	**	**
Cecil	7.1	4.2	11.3
Dorchester	**	**	**
Kent	**	**	**
Queen Anne's	**	**	**
Somerset	**	**	**
Talbot	**	**	**
Wicomico	6.1	3.4	10.1
Worcester	**	**	**
National Capital Area	5.6	5.0	6.3
Montgomery	4.7	4.0	5.6
Prince George's	6.6	5.6	7.7
Northwest Region	5.9	4.6	7.4
Allegany	**	**	**
Frederick	4.9	3.4	6.8
Garrett	**	**	**
Washington	7.5	5.0	10.9
Southern Region	6.5	5.0	8.3
Calvert	**	**	**
Charles	6.3	4.2	9.2
St. Mary's	9.4	6.2	13.7

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

** Rates based on case counts of 1-15 are suppressed per MDH/MCR Data Use Policy

^ Area rate does not include Baltimore City

Source: Maryland Cancer Registry, SEER*stat Static Data as of January 29, 2025

Appendix E

**Table 9: All Cancer Sites Mortality
Age-Adjusted Mortality Rates
by Geographical Area, Maryland, 2018-2022**

Geographical Area	Mortality Rates*	95% Confidence Interval	
		Lower CI	Upper CI
Maryland	141.8	140.6	143.0
Baltimore Metropolitan Area ^	144.4	142.3	146.4
Anne Arundel	143.4	139.4	147.5
Baltimore City	183.5	178.9	188.3
Baltimore	153.1	149.9	156.5
Carroll	154.7	147.5	162.3
Harford	148.0	142.1	154.1
Howard	112.4	107.5	117.4
Eastern Shore Region	158.9	154.6	163.4
Caroline	178.5	160.9	197.5
Cecil	171.1	160.9	181.9
Dorchester	169.6	153.4	187.3
Kent	137.5	120.1	157.4
Queen Anne's	141.7	129.6	154.7
Somerset	195.4	174.2	218.7
Talbot	133.0	121.3	145.9
Wicomico	174.1	163.7	184.9
Worcester	143.2	132.2	155.1
National Capital Area	119.3	117.3	121.3
Montgomery	105.0	102.5	107.5
Prince George's	137.5	134.2	140.9
Northwest Region	142.3	138.3	146.4
Allegany	155.9	145.2	167.3
Frederick	127.9	122.3	133.7
Garrett	130.9	116.4	147.0
Washington	161.7	154.0	169.8
Southern Region	157.1	151.7	162.7
Calvert	153.2	143.1	163.9
Charles	152.7	144.4	161.2
St. Mary's	167.0	156.8	177.7

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

** Rates based on death counts of 0-19 deaths are suppressed per MDH/CCPC Mortality Data Suppression Policy

^ Area rate does not include Baltimore City

Source: Maryland Department of Health Vital Statistics Administration

Appendix E

**Table 10: Lung and Bronchus Cancer Mortality
Age-Adjusted Mortality Rates
by Geographical Area, Maryland, 2018-2022**

Geographical Area	Mortality Rates*	95% Confidence Interval	
		Lower CI	Upper CI
Maryland	29.9	29.4	30.5
Baltimore Metropolitan Area ^	31.9	31.0	32.9
Anne Arundel	31.9	30.1	33.9
Baltimore City	44.2	42.0	46.6
Baltimore	34.6	33.1	36.2
Carroll	35.5	32.1	39.1
Harford	35.0	32.2	38.0
Howard	20.0	18.0	22.2
Eastern Shore Region	39.2	37.1	41.4
Caroline	48.5	39.6	59.0
Cecil	46.7	41.5	52.4
Dorchester	43.6	35.6	53.0
Kent	31.9	24.3	42.1
Queen Anne's	27.4	22.3	33.5
Somerset	53.5	42.9	66.2
Talbot	30.3	24.9	36.9
Wicomico	42.7	37.7	48.1
Worcester	33.5	28.8	39.1
National Capital Area	19.7	18.9	20.5
Montgomery	16.8	15.8	17.8
Prince George's	23.4	22.0	24.8
Northwest Region	30.8	28.9	32.7
Allegany	36.4	31.4	42.1
Frederick	26.1	23.6	28.8
Garrett	24.2	18.4	31.7
Washington	37.1	33.5	41.0
Southern Region	35.5	32.9	38.2
Calvert	37.5	32.6	42.9
Charles	33.3	29.5	37.5
St. Mary's	36.7	32.1	41.8

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

** Rates based on death counts of 0-19 deaths are suppressed per MDH/CCPC Mortality Data Suppression Policy

^ Area rate does not include Baltimore City

Appendix E

**Table 11: Colorectal Cancer Mortality
Age-Adjusted Mortality Rates
by Geographical Area, Maryland, 2018-2022**

Geographical Area	Mortality Rates*	95% Confidence Interval	
		Lower CI	Upper CI
Maryland	12.8	12.4	13.1
Baltimore Metropolitan Area ^	12.9	12.3	13.5
Anne Arundel	12.3	11.2	13.6
Baltimore City	15.7	14.4	17.2
Baltimore	13.8	12.8	14.9
Carroll	14.5	12.3	16.9
Harford	14.7	12.9	16.7
Howard	8.8	7.5	10.3
Eastern Shore Region	12.8	11.6	14.2
Caroline	15.6	10.5	22.4
Cecil	14.4	11.5	17.9
Dorchester	18.6	13.2	25.7
Kent	13.8	8.4	22.2
Queen Anne's	9.7	6.6	13.9
Somerset	**	**	**
Talbot	10.4	7.1	15.0
Wicomico	13.6	10.8	17.1
Worcester	9.8	7.1	13.5
National Capital Area	11.7	11.1	12.3
Montgomery	10.3	9.5	11.1
Prince George's	13.4	12.4	14.5
Northwest Region	13.3	12.1	14.6
Allegany	14.9	11.5	19.0
Frederick	11.6	10.0	13.4
Garrett	15.4	10.7	21.8
Washington	14.8	12.5	17.4
Southern Region	12.8	11.3	14.5
Calvert	12.0	9.3	15.2
Charles	13.2	10.9	15.8
St. Mary's	13.0	10.2	16.2

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

** Rates based on death counts of 0-19 deaths are suppressed per MDH/CCPC Mortality Data Suppression Policy

^ Area rate does not include Baltimore City

Appendix E

**Table 12: Female Breast Cancer Mortality
Age-Adjusted Mortality Rates
by Geographical Area, Maryland, 2018-2022**

Geographical Area	Mortality Rates*	95% Confidence Interval	
		Lower CI	Upper CI
Maryland	20.0	19.4	20.7
Baltimore Metropolitan Area ^	19.3	18.3	20.4
Anne Arundel	18.2	16.3	20.2
Baltimore City	23.4	21.2	25.8
Baltimore	20.7	19.1	22.5
Carroll	19.9	16.5	24.0
Harford	19.4	16.5	22.6
Howard	16.5	14.0	19.3
Eastern Shore Region	18.7	16.6	20.9
Caroline	19.6	12.7	29.6
Cecil	21.3	16.5	27.1
Dorchester	**	**	**
Kent	**	**	**
Queen Anne's	22.2	15.7	31.0
Somerset	24.1	14.6	38.6
Talbot	13.5	9.1	20.6
Wicomico	21.3	16.5	27.2
Worcester	17.8	12.3	25.6
National Capital Area	20.2	19.1	21.3
Montgomery	16.9	15.5	18.3
Prince George's	24.2	22.4	26.1
Northwest Region	17.7	15.7	19.8
Allegany	13.6	9.6	19.2
Frederick	15.0	12.5	18.0
Garrett	16.7	10.6	26.5
Washington	23.6	19.5	28.5
Southern Region	24.1	21.2	27.3
Calvert	22.6	17.5	28.9
Charles	22.3	18.2	27.0
St. Mary's	27.8	22.2	34.5

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

** Rates based on death counts of 0-19 deaths are suppressed per MDH/CCPC Mortality Data Suppression Policy

^ Area rate does not include Baltimore City

Source: Maryland Department of Health Vital Statistics Administration

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**Table 13: Prostate Cancer Mortality
Age-Adjusted Mortality Rates
by Geographical Area, Maryland, 2018-2022**

Geographical Area	Mortality Rates*	95% Confidence Interval	
		Lower CI	Upper CI
Maryland	19.8	19.0	20.5
Baltimore Metropolitan Area ^	18.5	17.4	19.7
Anne Arundel	18.2	15.9	20.6
Baltimore City	29.4	26.4	32.7
Baltimore	20.4	18.6	22.4
Carroll	16.7	13.1	21.0
Harford	17.8	14.6	21.4
Howard	15.6	12.9	18.8
Eastern Shore Region	18.7	16.6	21.1
Caroline	**	**	**
Cecil	14.8	10.6	20.2
Dorchester	18.3	11.2	28.9
Kent	**	**	**
Queen Anne's	14.4	9.1	22.0
Somerset	29.8	17.8	47.0
Talbot	19.8	14.1	28.2
Wicomico	24.4	18.6	31.5
Worcester	16.8	12.0	23.6
National Capital Area	19.0	17.7	20.3
Montgomery	13.4	12.1	14.9
Prince George's	27.5	25.1	30.1
Northwest Region	18.1	15.9	20.5
Allegany	16.9	11.9	23.4
Frederick	18.8	15.5	22.6
Garrett	18.3	11.1	29.5
Washington	17.7	14.0	22.1
Southern Region	23.1	19.9	26.8
Calvert	20.5	14.9	27.5
Charles	23.9	18.7	30.0
St. Mary's	24.3	18.6	31.2

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

** Rates based on death counts of 0-19 deaths are suppressed per MDH/CCPC Mortality Data Suppression Policy

^ Area rate does not include Baltimore City

Source: Maryland Department of Health Vital Statistics Administration

Appendix E

**Table 14: Oral Cancer Mortality
Age-Adjusted Mortality Rates
by Geographical Area, Maryland, 2018-2022**

Geographical Area	Mortality Rates*	95% Confidence Interval	
		Lower CI	Upper CI
Maryland	2.5	2.3	2.6
Baltimore Metropolitan Area ^	2.4	2.2	2.7
Anne Arundel	2.7	2.2	3.3
Baltimore City	3.8	3.2	4.6
Baltimore	2.5	2.1	2.9
Carroll	2.5	1.7	3.7
Harford	2.4	1.7	3.3
Howard	1.8	1.2	2.5
Eastern Shore Region	3.0	2.4	3.6
Caroline	**	**	**
Cecil	**	**	**
Dorchester	**	**	**
Kent	**	**	**
Queen Anne's	**	**	**
Somerset	**	**	**
Talbot	**	**	**
Wicomico	3.7	2.3	5.6
Worcester	**	**	**
National Capital Area	1.8	1.6	2.1
Montgomery	1.6	1.3	2.0
Prince George's	2.1	1.7	2.5
Northwest Region	2.8	2.3	3.5
Allegany	**	**	**
Frederick	2.0	1.3	2.8
Garrett	**	**	**
Washington	3.8	2.7	5.3
Southern Region	2.6	2.0	3.4
Calvert	**	**	**
Charles	2.9	1.8	4.3
St. Mary's	**	**	**

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

** Rates based on death counts of 0-19 deaths are suppressed per MDH/CCPC Mortality Data Suppression Policy

^ Area rate does not include Baltimore City

Source: Maryland Department of Health Vital Statistics Administration

Appendix E

**Table 15: Melanoma Mortality
Age-Adjusted Mortality Rates
by Geographical Area, Maryland, 2018-2022**

Geographical Area	Mortality Rates*	95% Confidence Interval	
		Lower CI	Upper CI
Maryland	1.8	1.7	1.9
Baltimore Metropolitan Area ^	2.2	2.0	2.5
Anne Arundel	2.4	1.9	3.0
Baltimore City	0.9	0.6	1.2
Baltimore	2.1	1.7	2.5
Carroll	3.5	2.4	4.9
Harford	2.5	1.8	3.5
Howard	1.4	0.9	2.0
Eastern Shore Region	2.3	1.8	2.9
Caroline	**	**	**
Cecil	**	**	**
Dorchester	**	**	**
Kent	**	**	**
Queen Anne's	**	**	**
Somerset	**	**	**
Talbot	**	**	**
Wicomico	**	**	**
Worcester	**	**	**
National Capital Area	1.1	0.9	1.3
Montgomery	1.4	1.1	1.7
Prince George's	0.7	0.5	1.0
Northwest Region	2.7	2.2	3.4
Allegany	4.4	2.6	6.9
Frederick	2.7	2.0	3.7
Garrett	**	**	**
Washington	2.3	1.4	3.5
Southern Region	2.0	1.5	2.8
Calvert	**	**	**
Charles	**	**	**
St. Mary's	**	**	**

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

** Rates based on death counts of 0-19 deaths are suppressed per MDH/CCPC Mortality Data Suppression Policy

^ Area rate does not include Baltimore City

Source: Maryland Department of Health Vital Statistics Administration

Appendix E

**Table 16: Cervical Cancer Mortality
Age-Adjusted Mortality Rates
by Geographical Area, Maryland, 2018-2022**

Geographical Area	Mortality Rates*	95% Confidence Interval	
		Lower CI	Upper CI
Maryland	2.0	1.8	2.2
Baltimore Metropolitan Area ^	1.6	1.3	1.9
Anne Arundel	1.4	0.9	2.1
Baltimore City	4.3	3.3	5.5
Baltimore	1.6	1.1	2.2
Carroll	**	**	**
Harford	**	**	**
Howard	**	**	**
Eastern Shore Region	2.7	1.8	3.8
Caroline	**	**	**
Cecil	**	**	**
Dorchester	**	**	**
Kent	**	**	**
Queen Anne's	**	**	**
Somerset	**	**	**
Talbot	**	**	**
Wicomico	**	**	**
Worcester	**	**	**
National Capital Area	1.7	1.4	2.1
Montgomery	1.3	0.9	1.7
Prince George's	2.3	1.7	2.9
Northwest Region	2.0	1.3	2.9
Allegany	**	**	**
Frederick	**	**	**
Garrett	**	**	**
Washington	**	**	**
Southern Region	2.2	1.4	3.3
Calvert	**	**	**
Charles	**	**	**
St. Mary's	**	**	**

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

** Rates based on death counts of 0-19 deaths are suppressed per MDH/CCPC Mortality Data Suppression Policy

^ Area rate does not include Baltimore City

Source: Maryland Department of Health Vital Statistics Administration

Appendix F

Trends in Cancer Incidence and Mortality Rates in Maryland by Cancer Site, Race/Ethnicity or Gender, and Year, 2018- 2022

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Appendix F. Trends in Cancer Incidence and Mortality Rates in Maryland by Cancer Site, Race/Ethnicity or Gender, and Year, 2018-2022

**Table 1: Cancer Incidence Rates by Cancer Site and Year
Maryland, 2018-2022**

Cancer Site	2018	2019	2020	2021	2022	APC 2018-2022	MD Trend
All Cancer Sites	445.9	462.8	410.4	440.4	450.0	-0.3%	↓
Lung	50.6	51.2	44.0	45.8	45.8	-3.1%	↓
Colorectal	36.4	35.7	31.7	34.5	33.6	-1.9%	↓
Female Breast	129.9	139.8	129.0	141.3	144.3	2.2%	↑
Prostate	135.3	152.2	125.2	139.9	151.0	1.4%	↑
Oral	11.3	11.0	10.2	11.3	9.8	-2.5%	↓
Melanoma	23.7	27.0	22.1	25.5	25.8	1.1%	↑
Cervical	6.4	6.6	6.2	5.7	5.5	-4.4%	↓

Rates are age-adjusted to 2000 U.S. standard population

APC = Annual Percent Change (%)

Source: Maryland Cancer Registry

**Table 2: Cancer Mortality Rates by Cancer Site and Year
Maryland, 2018-2022**

Cancer Site	2018	2019	2020	2021	2022	APC 2018-2022	MD Trend
All Cancer Sites	149.9	144.4	142.3	136.4	136.6	-2.4%	↓
Lung	33.4	31.7	29.0	29.0	26.9	-5.1%	↓
Colorectal	13.6	13.1	12.5	12.9	11.7	-3.1%	↓
Female Breast	21.2	19.4	21.5	18.9	19.4	-2.0%	↓
Prostate	19.1	20.7	19.9	18.5	20.0	-0.2%	↓
Oral	2.4	2.4	2.4	2.4	2.5	0.8%	↑
Melanoma	1.8	1.9	1.7	1.7	1.8	-1.1%	↓
Cervical	2.2	2.2	1.8	1.9	2.0	-3.3%	↓

Rates are age-adjusted to 2000 U.S. standard population

APC = Annual Percent Change (%)

Source: Maryland Department of Health Vital Statistics Administration

**Appendix F. Trends in Cancer Incidence and Mortality Rates in Maryland by
Cancer Site, Race/Ethnicity or Gender, and Year, 2018-2022**

**Table 3: Cancer Incidence Rates by Race/Ethnicity and Year
Maryland, 2018-2022**

Cancer Site	Race	2018	2019	2020	2021	2022	APC 2018-2022
All Cancer Sites	White	472.7	484.8	433.3	467.0	480.0	-0.1%
	Black	439.4	456.3	398.8	439.8	451.7	0.2%
	Hispanic	252.6	320.8	256.4	278.9	290.7	1.4%
	API	276.9	288.0	250.4	279.8	281.4	0.0%
	AIAN	224.9	208.1	265.3	286.1	334.5	11.8%
Lung	White	55.3	55.2	48.9	51.0	50.6	-2.5%
	Black	49.6	50.2	41.5	43.1	44.9	-3.5%
	Hispanic	14.1	22.0	17.3	19.0	18.4	3.9%
	API	28.3	28.6	21.9	21.8	23.2	-6.5%
	AIAN	**	**	**	**	**	**
Colorectal	White	36.5	36.9	32.4	35.4	34.6	-1.5%
	Black	40.7	35.8	32.3	35.5	35.5	-2.8%
	Hispanic	21.6	23.9	18.3	24.7	23.7	2.2%
	API	27.0	28.6	24.5	29.7	25.7	-0.6%
	AIAN	**	**	**	**	**	**
Female Breast	White	139.1	147.3	139.4	148.9	150.4	1.7%
	Black	127.1	135.5	125.8	143.7	147.2	3.6%
	Hispanic	73.2	100.4	78.5	94.6	92.3	4.1%
	API	97.2	116.8	88.0	100.2	123.4	3.3%
	AIAN	**	**	**	130.9	**	**
Prostate	White	119.9	129.7	108.0	120.7	132.5	1.3%
	Black	187.5	215.4	171.7	201.9	221.0	2.7%
	Hispanic	70.5	101.2	83.0	78.7	92.1	2.9%
	API	49.1	72.0	53.1	70.6	69.8	7.1%
	AIAN	176.2	**	**	**	143.7	**
Oral	White	13.5	13.0	12.5	14.1	12.0	-1.5%
	Black	7.8	7.5	7.1	7.3	7.0	-2.4%
	Hispanic	4.2	5.8	**	5.7	3.8	**
	API	7.9	8.4	5.4	8.6	7.9	0.2%
	AIAN	**	**	**	0.0	**	**
Cervix	White	6.2	6.0	6.0	4.8	4.8	-7.1%
	Black	7.5	7.5	4.8	6.6	5.8	-6.2%
	Hispanic	**	11.3	12.7	8.2	6.7	**
	API	**	**	**	**	5.9	**
	AIAN	**	0.0	**	0.0	0.0	**

Rates are age-adjusted to 2000 U.S. standard population

APC = Annual Percent Change (%)

Source: Maryland Cancer Registry

** Rates based on case counts of 1-15 are suppressed per MDH/MCR Data Use Policy

**Table 4: Melanoma Incidence Rates by Gender and Year
Maryland, 2018-2022**

Cancer Site	Gender	2018	2019	2020	2021	2022	APC 2018-2022
Melanoma	Male	30.9	35.9	28.2	32.7	33.9	0.9%
	Female	18.7	20.7	17.7	20.5	19.9	1.2%

Rates are age-adjusted to 2000 U.S. standard population

APC = Annual Percent Change (%)

Source: Maryland Cancer Registry

**Appendix F. Trends in Cancer Incidence and Mortality Rates in Maryland by
Cancer Site, Race/Ethnicity or Gender, and Year, 2018-2022**

**Table 5: Mortality Rates by Race/Ethnicity and Year
Maryland, 2018-2022**

Cancer Site	Race	2018	2019	2020	2021	2022	APC 2018-2022
All Cancer Sites	White	150.4	147.4	143.0	135.9	138.7	-2.4%
	Black	170.9	159.0	161.5	152.2	150.9	-2.9%
	Hispanic	82.3	73.0	76.7	87.8	77.0	0.5%
	API	90.7	84.2	86.7	101.3	94.2	2.6%
	AIAN	**	**	**	**	**	**
Lung	White	35.6	35.1	31.6	31.1	29.7	-4.7%
	Black	35.5	30.4	29.0	29.2	26.4	-6.1%
	Hispanic	7.3	**	6.4	11.1	10.3	**
	API	18.9	14.8	15.8	18.2	14.9	-2.7%
	AIAN	**	**	**	**	**	**
Colorectal	White	12.9	12.9	11.6	12.5	12.1	-1.6%
	Black	17.6	15.7	15.9	14.9	12.5	-7.1%
	Hispanic	6.1	**	7.7	9.9	6.0	**
	API	8.8	8.4	8.3	11.9	10.2	6.6%
	AIAN	**	**	**	**	**	**
Female Breast	White	19.0	18.5	20.1	17.7	17.3	-2.3%
	Black	28.0	24.5	27.5	23.0	25.7	-2.3%
	Hispanic	13.8	**	11.0	13.1	11.3	**
	API	10.9	9.5	11.4	14.2	13.4	8.5%
	AIAN	**	**	**	**	**	**
Prostate	White	17.0	16.9	16.4	14.0	15.9	-3.2%
	Black	33.2	40.4	36.8	36.3	38.9	2.1%
	Hispanic	**	**	16.3	**	**	**
	API	**	**	**	**	**	**
	AIAN	**	**	**	**	**	**
Oral	White	2.9	2.4	2.5	2.7	2.7	-0.3%
	Black	2.0	2.5	2.5	2.0	2.6	3.1%
	Hispanic	**	**	**	**	**	**
	API	**	**	**	**	**	**
	AIAN	**	**	**	**	**	**
Cervix	White	1.9	1.7	1.7	1.4	1.7	-4.1%
	Black	3.0	2.9	2.1	2.4	2.3	-7.0%
	Hispanic	**	**	**	**	**	**
	API	**	**	**	**	**	**
	AIAN	**	**	**	**	**	**

Rates are age-adjusted to 2000 U.S. standard population

APC = Annual Percent Change (%)

Source: Maryland Department of Health Vital Statistics Administration

** Rates based on death counts of 0-19 are suppressed per MDH/CCPC Mortality Data Suppression Policy

**Table 6: Melanoma Mortality Rates by Gender and Year
Maryland, 2018-2022**

Cancer Site	Gender	2018	2019	2020	2021	2022	APC 2018-2022
Melanoma	Male	2.5	3.2	2.4	2.5	2.8	-0.2%
	Female	1.3	1.0	1.3	1.2	1.0	-3.4%

Rates are age-adjusted to 2000 U.S. standard population

APC = Annual Percent Change (%)

Source: Maryland Department of Health Vital Statistics Administration

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Appendix G

Trends in Cancer Stage of Disease at Diagnosis in Maryland by Cancer Site and Year, 2018-2022

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Appendix G

Table 1: All Cancer Sites
Distribution of Cancer Stage at Diagnosis by Year
Maryland, 2018-2022

Stage					
	2018	2019	2020	2021	2022
	%	%	%	%	%
Local	48.1%	48.4%	46.2%	50.8%	51.3%
Regional	19.7%	20.2%	20.6%	20.2%	19.9%
Distant	20.6%	20.6%	23.3%	23.0%	22.4%
Unstaged	11.6%	10.8%	10.0%	6.0%	6.4%

Source: Maryland Cancer Registry

Table 2: Lung Cancer
Distribution of Cancer Stage at Diagnosis by Year
Maryland, 2018-2022

Stage					
	2018	2019	2020	2021	2022
	%	%	%	%	%
Local	27.8%	26.5%	26.2%	29.4%	31.4%
Regional	23.1%	25.0%	23.7%	24.3%	22.4%
Distant	39.2%	40.1%	41.0%	41.4%	40.0%
Unstaged	9.9%	8.4%	9.0%	4.9%	6.2%

Source: Maryland Cancer Registry

Table 3: Colorectal Cancer
Distribution of Cancer Stage at Diagnosis by Year
Maryland, 2018-2022

Stage					
	2018	2019	2020	2021	2022
	%	%	%	%	%
Local	32.2%	28.4%	27.7%	31.5%	34.6%
Regional	37.2%	39.4%	40.8%	39.4%	38.0%
Distant	19.8%	21.0%	21.9%	22.6%	21.4%
Unstaged	10.9%	11.2%	9.6%	6.5%	6.1%

Source: Maryland Cancer Registry

Table 4: Female Breast Cancer
Distribution of Cancer Stage at Diagnosis by Year
Maryland, 2018-2022

Stage					
	2018	2019	2020	2021	2022
	%	%	%	%	%
Local	66.0%	65.7%	63.8%	67.4%	65.4%
Regional	25.7%	25.7%	27.4%	24.3%	25.9%
Distant	5.0%	5.6%	5.5%	6.0%	6.2%
Unstaged	3.3%	3.0%	3.4%	2.3%	2.5%

Source: Maryland Cancer Registry

Appendix G

Table 5: Prostate Cancer
Distribution of Cancer Stage at Diagnosis by Year
Maryland, 2018-2022

Stage					
	2018	2019	2020	2021	2022
	%	%	%	%	%
Local	75.7%	74.7%	70.5%	79.9%	75.7%
Regional	10.4%	10.8%	10.3%	11.5%	12.9%
Distant	6.0%	5.2%	6.1%	6.2%	7.4%
Unstaged	7.9%	9.3%	13.1%	2.4%	4.0%

Source: Maryland Cancer Registry

Table 6: Oral Cancer
Distribution of Cancer Stage at Diagnosis by Year
Maryland, 2018-2022

Stage					
	2018	2019	2020	2021	2022
	%	%	%	%	%
Local	27.9%	30.2%	29.7%	29.5%	26.1%
Regional	56.4%	54.2%	56.5%	58.5%	62.6%
Distant	8.3%	7.5%	6.2%	7.5%	5.9%
Unstaged	7.5%	8.2%	7.6%	4.5%	5.5%

Source: Maryland Cancer Registry

Table 7: Melanoma
Distribution of Cancer Stage at Diagnosis by Year
Maryland, 2018-2022

Stage					
	2018	2019	2020	2021	2022
	%	%	%	%	%
Local	69.9%	76.8%	81.1%	85.6%	85.8%
Regional	7.2%	6.2%	7.1%	6.9%	7.0%
Distant	3.4%	3.2%	3.3%	3.0%	3.6%
Unstaged	19.6%	13.8%	8.6%	4.5%	3.6%

Source: Maryland Cancer Registry

Table 8: Cervical Cancer
Distribution of Cancer Stage at Diagnosis by Year
Maryland, 2018-2022

Stage					
	2018	2019	2020	2021	2022
	%	%	%	%	%
Local	43.3%	43.6%	34.4%	41.8%	34.9%
Regional	31.2%	34.7%	41.4%	34.0%	40.0%
Distant	15.8%	13.3%	16.7%	21.1%	17.9%
Unstaged	9.8%	8.4%	7.4%	3.1%	7.2%

Source: Maryland Cancer Registry

Appendix H

Trends in All Cancer Sites Incidence and Mortality Rates in Maryland and U.S. by Year, 2013-2022

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Appendix H. Trends in All Cancer Sites Incidence and Mortality Rates in Maryland and U.S. by Year, 2013-2022

**Table 1: All Cancer Sites Incidence Rates by Year
Maryland and U.S., 2013-2022**

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	APC 2013-2022	Trend
Maryland	452.2	442.0	449.3	443.6	449.6	445.9	462.8	410.4	440.4	450.0	-0.2%	↓
U.S.	431.0	428.6	429.5	424.1	427.0	431.4	440.1	401.1	439.7	440.5	0.1%	↑

Rates are age-adjusted to 2000 U.S. standard population

APC = Annual Percent Change (%)

Sources: Maryland Cancer Registry

U.S. SEER, SEER*Stat Database

**Table 2: All Cancer Sites Mortality Rates by Year
Maryland and U.S., 2013-2022**

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	APC 2013-2022	Trend
Maryland	162.9	161.8	155.1	156.5	151.5	149.9	144.4	142.3	136.4	136.6	-2.1%	↓
U.S.	163.0	161.3	158.7	155.9	152.6	149.0	146.0	143.8	144.2	142.0	-1.6%	↓

Rates are age-adjusted to 2000 U.S. standard population

APC = Annual Percent Change (%)

Sources: Maryland Department of Health Vital Statistics Administration, 2021-2022 (MD)

NCHS Underlying Cause of Death in CDC WONDER, 2017-2020 (MD)

NCHS Compressed Mortality File in CDC WONDER, 2013-2016 (MD)

SEER Mortality All Cause of Death Data (U.S.)

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Appendix I

Maryland and U.S. Incidence and Mortality by Cancer and Race/Ethnicity or Gender, 2022

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Appendix I

**Table 1: Maryland and U.S. Cancer Incidence
Age-Adjusted Incidence Rates
by Race/Ethnicity or Gender, 2022**

Race/Ethnicity or Gender	MD Incidence Rates	95% Confidence Interval		U.S. Incidence Rates	95% Confidence Interval	
		Lower CI	Upper CI		Lower CI	Upper CI
All Cancer Sites	450.0	445.2	454.8	440.5	439.2	441.8
White	480.0	473.3	486.7	470.8	469.0	472.6
Black	451.7	442.7	460.9	460.9	456.7	465.2
Hispanic/Latino	290.7	274.1	308.0	351.4	348.6	354.3
Asian/Pacific Islander	281.4	266.9	296.4	315.2	312.0	318.4
American Indian/Alaska Native	334.5	263.3	420.9	396.6	382.5	411.2
Lung	45.8	44.3	47.3	43.6	43.2	44.0
White	50.6	48.6	52.6	49.1	48.6	49.6
Black	44.9	42.1	47.9	49.5	48.1	50.9
Hispanic/Latino	18.4	14.1	23.6	24.2	23.4	25.0
Asian/Pacific Islander	23.2	19.1	27.8	32.3	31.3	33.3
American Indian/Alaska Native	**	**	**	40.9	36.5	45.6
Colorectal	33.6	32.3	35.0	37.2	36.8	37.5
White	34.6	32.7	36.5	37.9	37.3	38.4
Black	35.5	33.0	38.2	42.3	41.1	43.7
Hispanic/Latino	23.7	19.2	28.9	33.5	32.6	34.4
Asian/Pacific Islander	25.7	21.5	30.6	31.2	30.2	32.2
American Indian/Alaska Native	**	**	**	43.2	38.5	48.3
Female Breast	144.3	140.5	148.2	132.5	131.5	133.5
White	150.4	144.9	156.0	140.2	138.8	141.6
Black	147.2	140.3	154.3	134.0	131.0	137.1
Hispanic/Latino	92.3	80.5	105.3	106.2	104.2	108.4
Asian/Pacific Islander	123.4	110.5	137.4	121.5	118.9	124.3
American Indian/Alaska Native	**	**	**	117.5	107.0	128.8
Prostate	151.0	147.1	155.0	123.7	122.7	124.7
White	132.5	127.9	137.3	120.9	119.7	122.1
Black	221.0	211.6	230.7	202.4	198.2	206.6
Hispanic/Latino	92.1	77.7	108.1	92.9	90.7	95.2
Asian/Pacific Islander	69.8	59.5	81.4	69.3	67.2	71.6
American Indian/Alaska Native	143.7	83.0	237.6	87.8	78.4	98.1
Oral	9.8	9.1	10.6	11.7	11.5	11.9
White	12.0	11.0	13.1	14.1	13.8	14.4
Black	7.0	5.9	8.2	8.6	8.0	9.2
Hispanic/Latino	3.8	2.1	6.2	6.8	6.4	7.2
Asian/Pacific Islander	7.9	5.7	10.8	8.3	7.8	8.8
American Indian/Alaska Native	**	**	**	13.5	11.0	16.4
Cervix	5.5	4.7	6.3	7.3	7.0	7.5
White	4.8	3.7	6.0	6.6	6.2	6.9
Black	5.8	4.5	7.5	7.4	6.7	8.2
Hispanic/Latino	6.7	4.1	10.3	9.5	8.9	10.1
Asian/Pacific Islander	5.9	3.4	9.7	5.4	4.9	6.1
American Indian/Alaska Native	**	**	**	11.7	8.3	16.0
Melanoma	25.8	24.6	27.0	25.1	24.8	25.4
Male	33.9	31.9	35.9	31.7	31.2	32.3
Female	19.9	18.5	21.4	20.2	19.8	20.6

Rates are age-adjusted to 2000 U.S. standard population

** Rates based on case counts of 1-15 are suppressed per MDH/MCR Data Use Policy and Procedures

All race rates, except Hispanic, are non-Hispanic/Latino

Source: Maryland Cancer Registry

Appendix I

**Table 2: Maryland and U.S. Cancer Mortality
Age-Adjusted Mortality Rates
by Race/Ethnicity or Gender, 2022**

Race/Ethnicity or Gender	MD Mortality Rates	95% Confidence Interval		U.S. Mortality Rates	95% Confidence Interval	
		Lower CI	Upper CI		Lower CI	Upper CI
All Cancer Sites	136.6	134.0	139.2	142.0	141.6	142.4
White	138.7	135.3	142.2	147.7	147.3	148.1
Black	150.9	145.6	156.4	162.6	161.4	163.8
Hispanic/Latino	77.0	68.0	86.8	105.0	104.0	106.0
Asian/Pacific Islander	94.2	85.9	103.2	91.5	90.3	92.8
American Indian/Alaska Native	**	**	**	124.1	120.0	128.3
Lung	26.9	25.8	28.1	29.9	29.7	30.1
White	29.7	28.2	31.3	32.8	32.6	33.0
Black	26.4	24.2	28.7	31.8	31.2	32.3
Hispanic/Latino	10.3	7.0	14.4	13.8	13.4	14.1
Asian/Pacific Islander	14.9	11.7	18.7	18.1	17.5	18.6
American Indian/Alaska Native	**	**	**	26.2	24.4	28.2
Colorectal	11.7	11.0	12.5	12.6	12.5	12.7
White	12.1	11.1	13.2	12.7	12.6	12.9
Black	12.5	11.1	14.2	16.0	15.6	16.3
Hispanic/Latino	6.0	3.8	8.9	10.6	10.3	10.9
Asian/Pacific Islander	10.2	7.6	13.5	9.1	8.7	9.5
American Indian/Alaska Native	**	**	**	13.3	11.9	14.7
Female Breast	19.4	18.0	20.8	18.7	18.5	18.9
White	17.3	15.7	19.2	18.8	18.6	19.1
Black	25.7	22.9	28.8	25.6	25.0	26.3
Hispanic/Latino	11.3	7.1	16.9	13.5	13.1	14.0
Asian/Pacific Islander	13.4	9.5	18.6	11.8	11.2	12.4
American Indian/Alaska Native	**	**	**	14.7	12.8	16.8
Prostate	20.0	18.4	21.6	18.7	18.5	18.9
White	15.9	14.2	17.7	17.9	17.6	18.1
Black	38.9	34.2	44.0	36.4	35.3	37.4
Hispanic/Latino	**	**	**	15.6	15.0	16.3
Asian/Pacific Islander	**	**	**	8.5	7.9	9.1
American Indian/Alaska Native	**	**	**	13.3	11.3	15.6
Oral	2.5	2.2	2.9	2.7	2.7	2.8
White	2.7	2.2	3.2	3.0	2.9	3.0
Black	2.6	1.9	3.4	2.6	2.4	2.7
Hispanic/Latino	**	**	**	1.5	1.4	1.7
Asian/Pacific Islander	**	**	**	2.2	2.0	2.4
American Indian/Alaska Native	**	**	**	2.7	2.1	3.4
Cervix	2.0	1.5	2.5	2.1	2.0	2.1
White	1.7	1.2	2.5	2.0	1.9	2.1
Black	2.3	1.4	3.4	2.7	2.5	2.9
Hispanic/Latino	**	**	**	2.2	2.0	2.4
Asian/Pacific Islander	**	**	**	1.5	1.3	1.7
American Indian/Alaska Native	**	**	**	2.4	1.6	3.4
Melanoma	1.8	1.5	2.1	2.0	1.9	2.0
Male	2.8	2.2	3.4	2.9	2.8	2.9
Female	1.0	0.8	1.4	1.3	1.2	1.3

Rates are age-adjusted to 2000 U.S. standard population

** Rates based on death counts of 0-19 are suppressed per MDH/CCPC Mortality Data Suppression Policy

All race rates, except Hispanic, are non-Hispanic/Latino

Sources: Maryland Department of Health Vital Statistics Administration (MD)

SEER Mortality All Cause of Death Data (U.S.)

Appendix J

Distribution of Cancer Stage at Diagnosis by Race/Ethnicity or Gender, 2018-2022

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Appendix J

Table 1: All Cancer Sites
Distribution of Cancer Stage at Diagnosis by Race/Ethnicity
Maryland, 2018-2022

Stage					
	White	Black	Hispanic	API	AIAN
	%	%	%	%	%
Local	50.5%	46.6%	44.0%	46.3%	46.8%
Regional	19.9%	20.1%	22.9%	23.5%	22.7%
Distant	21.2%	23.4%	23.9%	21.9%	22.1%
Unstaged	8.4%	9.8%	9.1%	8.2%	8.4%

Source: Maryland Cancer Registry

Table 2: Lung Cancer
Distribution of Cancer Stage at Diagnosis by Race/Ethnicity
Maryland, 2018-2022

Stage					
	White	Black	Hispanic	API	AIAN
	%	%	%	%	%
Local	29.6%	25.8%	23.1%	24.0%	14.3%
Regional	23.9%	23.2%	26.5%	20.6%	31.4%
Distant	39.1%	42.2%	44.9%	47.4%	45.7%
Unstaged	7.3%	8.7%	5.6%	8.0%	8.6%

Source: Maryland Cancer Registry

Table 3: Colorectal Cancer
Distribution of Cancer Stage at Diagnosis by Race/Ethnicity
Maryland, 2018-2022

Stage					
	White	Black	Hispanic	API	AIAN
	%	%	%	%	%
Local	30.7%	31.1%	33.1%	31.3%	26.1%
Regional	40.8%	34.9%	39.0%	40.5%	47.8%
Distant	20.8%	23.3%	20.0%	18.2%	13.0%
Unstaged	7.7%	10.6%	7.9%	10.0%	13.0%

Source: Maryland Cancer Registry

Table 4: Female Breast Cancer
Distribution of Cancer Stage at Diagnosis by Race/Ethnicity
Maryland, 2018-2022

Stage					
	White	Black	Hispanic	API	AIAN
	%	%	%	%	%
Local	69.2%	59.5%	59.4%	67.0%	60.4%
Regional	23.2%	30.0%	31.4%	26.5%	26.4%
Distant	5.0%	7.2%	5.7%	4.3%	5.7%
Unstaged	2.6%	3.3%	3.5%	2.2%	7.5%

Source: Maryland Cancer Registry

Table 5: Prostate Cancer
Distribution of Cancer Stage at Diagnosis by Race/Ethnicity
Maryland, 2018-2022

Stage					
	White	Black	Hispanic	API	AIAN
	%	%	%	%	%
Local	76.4%	74.2%	69.3%	73.3%	66.7%
Regional	11.7%	10.7%	13.0%	13.6%	22.8%
Distant	5.8%	6.7%	9.5%	6.9%	7.0%
Unstaged	6.1%	8.4%	8.2%	6.3%	3.5%

Source: Maryland Cancer Registry

Table 6: Oral Cancer
Distribution of Cancer Stage at Diagnosis by Race/Ethnicity
Maryland, 2018-2022

Stage					
	White	Black	Hispanic	API	AIAN
	%	%	%	%	%
Local	28.9%	25.8%	28.9%	37.4%	50.0%
Regional	58.5%	56.0%	59.8%	52.1%	33.3%
Distant	5.9%	11.8%	7.2%	7.4%	16.7%
Unstaged	6.7%	6.4%	4.1%	3.2%	0.0%

Source: Maryland Cancer Registry

Table 7: Melanoma
Distribution of Cancer Stage at Diagnosis by Gender
Maryland, 2018-2022

Stage		
	Male	Female
	%	%
Local	79.3%	81.2%
Regional	7.6%	5.9%
Distant	3.7%	2.6%
Unstaged	9.4%	10.3%

Source: Maryland Cancer Registry

Table 8: Cervical Cancer
Distribution of Cancer Stage at Diagnosis by Race/Ethnicity
Maryland, 2018-2022

Stage					
	White	Black	Hispanic	API	AIAN
	%	%	%	%	%
Local	37.8%	40.1%	46.7%	43.9%	50.0%
Regional	37.4%	33.7%	41.8%	36.8%	0.0%
Distant	17.0%	20.2%	4.9%	14.0%	50.0%
Unstaged	7.8%	6.1%	6.6%	5.3%	0.0%

Source: Maryland Cancer Registry

For comments or questions about these data contact:

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Maryland Department of Health
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