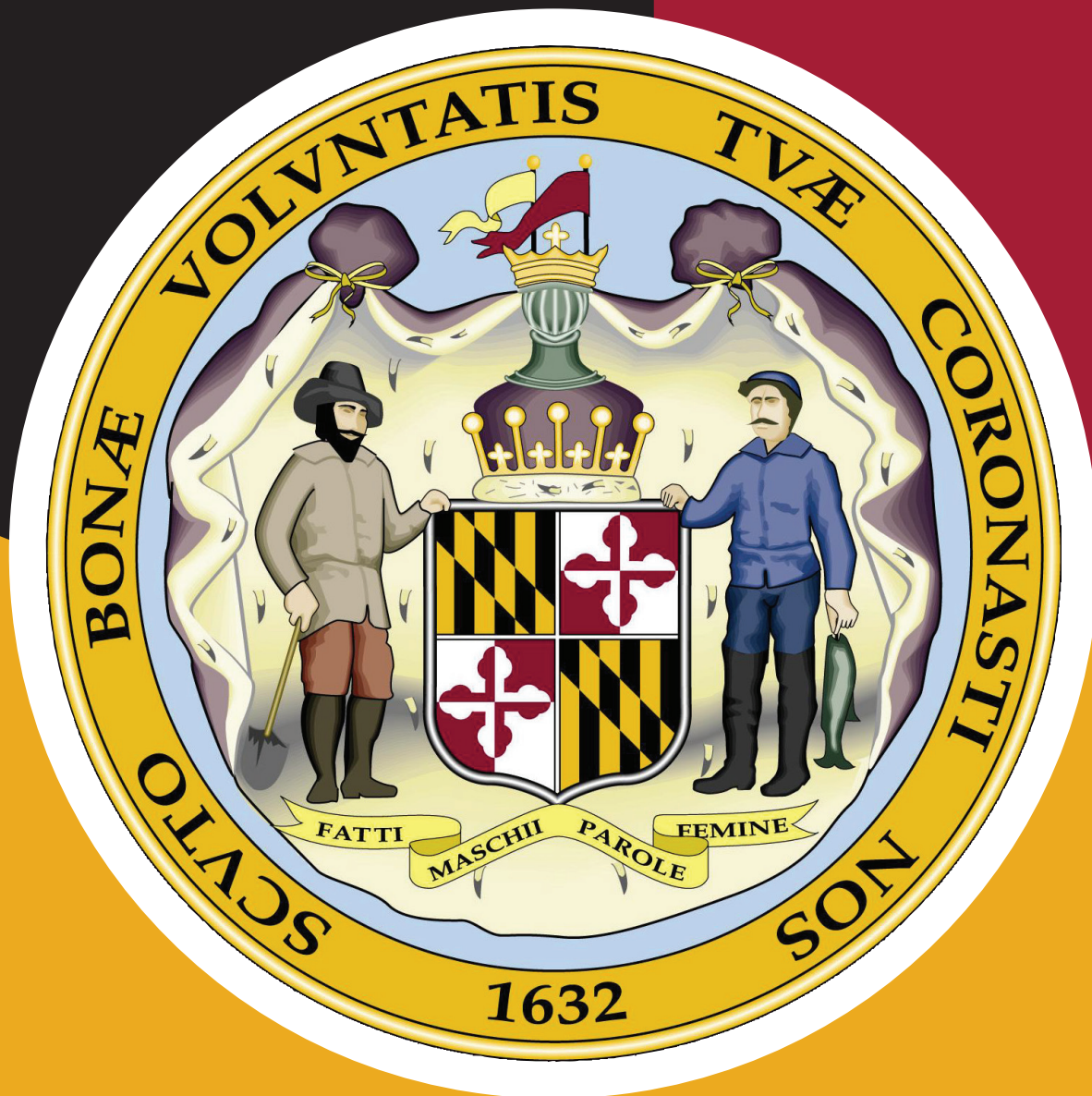


Maryland Department of Health

Larry Hogan
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Dennis R. Schrader
*Acting Secretary,
Maryland Department of
Health*



Cancer in Maryland: 2017 Incidence and Mortality Report

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Cancer in Maryland: 2017 Incidence and Mortality Report

The seal of the State of Maryland is a circular emblem. It features a central shield with a red cross on a white field and a yellow and black checkered field. Above the shield is a crown. On either side of the shield are two figures: a Native American on the left holding a bow and arrow, and a European on the right holding a sword. The shield is surrounded by a blue border with the Latin motto "SCVTO VOLVNTATIS TVÆ CORONASTI NOS" in gold. Below the shield is a banner with the words "FATTI MASCHII PAROLE FEMINE". At the bottom of the seal is the year "1632".

**Maryland Cancer Registry
Center for Cancer Prevention and Control (CCPC)
Cancer and Chronic Disease Bureau
Prevention and Health Promotion Administration
Maryland Department of Health**

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Prepared by:**Maryland Cancer Registry (MCR) Staff**

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- The North American Association of Central Cancer Registries and the Centers for Disease Control and Prevention's National Program of Cancer Registries.
- Myriddian, LLC (MCR Quality Assurance/Database Management Vendor).

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I. DATA HIGHLIGHTS

Data presented in this report include cancers reported for the year 2017 and are presented as age-adjusted rates and number of cancer cases and deaths by gender and race.

A. Incidence

- A total of 32,258 new cases of invasive cancer were diagnosed among Maryland residents in 2017.
- Most frequently diagnosed cancer by gender:
 - *Males:* **Prostate cancer** was the most frequently diagnosed cancer among Maryland men with a total of 4,605 new cases reported in 2017.
 - *Females:* **Breast cancer** was the most frequently diagnosed cancer among Maryland women with a total of 5,042 new cases reported in 2017.

B. Mortality

- 10,796 Maryland residents died as a result of any type of cancer in 2017, making cancer the second leading cause of death in Maryland.
- Cancer of the **lung and bronchus** was the most common cause of cancer deaths among Marylanders, with 2,575 **lung and bronchus** cancer deaths in 2017. When observed separately by sex, **lung and bronchus** cancer was the leading cause of cancer death among both men and women.

Data suppression rules for this report can be found at:

https://phpa.health.maryland.gov/cancer/Documents/Mortality%20Suppression%20Policy_01062012_FINAL.pdf

II. INTRODUCTION

According to the Maryland Cancer Registry (MCR), a total of 32,258 Maryland residents were diagnosed with cancer in 2017. Cancer is the second leading cause of death in the United States, exceeded only by heart disease. In the U.S., cancer accounts for nearly one out of every four deaths; in 2017, approximately 600,920 Americans died of cancer (more than 1,646 people a day), and in Maryland, 10,796 people died from cancer.¹

A. Maryland Cancer Registry (MCR)

The MCR collects all new cases of reportable cancers diagnosed and/or treated in Maryland and is the State of Maryland's official source for cancer statistics.

History

In 1992, the Maryland General Assembly enacted Maryland Health-General Article §§ 18-203 and 18-204 which required hospitals, radiation therapy centers, and in- and out-of-state cancer diagnostic laboratories (that provide services to Maryland physicians) to electronically report all cancer cases diagnosed and/or treated in Maryland beginning July 1, 1993. In 1996, the laws were amended to require freestanding ambulatory care facilities, surgical centers, and physicians (whose non-hospitalized patients are not otherwise reported by either a hospital, radiation therapy center, surgical center or ambulatory care facility) to report cancer cases diagnosed and/or treated beginning with cases diagnosed January 1, 1999.

In 2001, the Maryland General Assembly enacted House Bill 636, requiring the reporting of benign brain and central nervous system tumors to the MCR effective October 2001.

The Code of Maryland Regulations 10.14.01 were adopted in 1992 and were further amended in 1993, 1997, 2003, 2013 and 2017. The MCR operates in accordance with Public Law 20-515 and the standards set by North American Association of Central Cancer Registries (NAACCR) and the Centers for Disease Control and Prevention's National Program of Cancer Registries (NPCR).

Interstate data collection

On August 4, 2017, the MCR signed the National Interstate Data Exchange Agreement through NAACCR. This agreement allows the MCR to conduct interstate data exchanges with registries that have also signed the agreement. As of July 2020, there are **48** state and territorial registries that are participating in this agreement.

Funding

The MCR first received funding from NPCR in 1996. The MCR has since received yearly funding from the NPCR to support MCR efforts towards the collection of timely,

¹ Cancer Facts & Figures 2017 (American Cancer Society)

complete, and accurate data. Other funding sources include the Cigarette Restitution Fund and Maryland State general funds.

B. MCR Operations

The MCR is composed of two entities:

- i. A central office, located in the Center for Cancer Prevention and Control at the Maryland Department of Health (MDH), which has administrative, technical, analytical, fiscal, and custodial oversight of MCR.
- ii. A subcontractor, currently Myriddian, LLC, which collects and processes all cancer reports, and performs data quality assurance and database management.

C. Organization of This Report

This report provides 2017 cancer incidence and mortality statistics for the State of Maryland. Data tables include counts for major cancer sites and age-adjusted incidence and mortality rates by year, site, gender, and race for Maryland and its counties. The *2017 Incidence and Mortality Report* includes County Data Pages that summarize data for leading cancer sites in each county.

This report is also available on the MCR website at:

https://phpa.health.maryland.gov/cancer/Pages/surv_data-reports.aspx.

III. DATA COLLECTION AND MANAGEMENT

A. Reporting Facilities

This report presents data collected from **46** Maryland hospitals, **12** radiation treatment centers, **27** laboratories, **49** ambulatory surgery centers, **55** physicians, and central cancer registries from **21** states and the District of Columbia. Each facility is required to submit cancer reports on all new cancer cases to the MCR.

B. Cancer Case Reporting and Definition

The MCR is the source for cancer incidence (new cases) data presented in this report. Its database contains two types of tumor cases:

- i. *Invasive cancers*: This includes all malignant cancers at any site (except for non-genital basal and squamous cell carcinoma of skin), and *in situ* cancers of the urinary bladder diagnosed in Maryland residents between January 1, 2017 and December 31, 2017. (American Cancer Society (ACS) criteria)
- ii. *Benign and in situ tumors*: These are tumors the MDH considers important for the review and evaluation of state cancer control programs, but are not included in this report.

The ACS criteria are also used for incidence calculations by the National Cancer Institute's Surveillance, Epidemiology, and End Results Program (SEER), the American College of Surgeons, and NAACCR.

Cancer sites are grouped according to the conventions of the SEER Program using the *International Classification of Disease, Third Edition (ICD-O-3)* by the World Health Organization and are shown in *Table A: International Classification of Diseases for Oncology, Third Edition (ICD-O-3) and ICD-10 Codes Used to Derive MCR Incidence and Mortality Cancer Data*.

Only new cases diagnosed among Maryland residents in 2017 are included in the analysis.

Table A: *International Classification of Diseases for Oncology, Third Edition (ICD-O-3) and ICD-10 Codes Uses to Derive MCR Incidence and Mortality Cancer Data*

ICD-O-3 Codes Used to Derive Incidence Data			ICD-10 Codes Used to Derive Mortality Data
Site	Incidence Topography (Site)	Incidence Histology	CDC WONDER Site Selections
All sites	C00.0-C80.9	Includes all invasive cancers of all sites except basal and squamous cell skin cancers; includes in situ cancer of the urinary bladder	C00.0-C97, D09.0
Brain and Other Nervous System	C70.0-C72.9	Excludes codes 9050-9055, 9140, and 9590-9989	C70.0-C72.9
Cervix	C53.0-C53.9	Excludes codes 9050-9055, 9140, and 9590-9989	C53.0-C53.9
Colon and Rectum	C18.0-C20.9, C26.0	Excludes codes 9050-9055, 9140, and 9590-9989	C18.0-C20.9, C26.0
Corpus and Uterus NOS	C54.0-54.9, C55.9	Excludes codes 9050-9055, 9140, and 9590-9989	C54.0-C54.9, C55
Esophagus	C15.0-C15.9	Excludes codes 9050-9055, 9140, and 9590-9989	C15.0-C15.9
Female Breast	C50.0-C50.9	Excludes codes 9050-9055, 9140, and 9590-9989	C50.0-C50.9
Hodgkin Lymphoma	C 00.0-C80.9	Includes codes 9650-9667	C81.0-C81.9
Kidney and Renal Pelvis	C64.9, C65.9	Excludes codes 9050-9055, 9140, and 9590-9989	C64.1-C64.9, C65.1-C64.9
Larynx	C32.0-C32.9	Excludes codes 9050-9055, 9140, and 9590-9989	C32.0-C32.9

Site	Incidence Topography (Site)	Incidence Histology	CDC WONDER Site Selections
Leukemia	C00.0-C80.9	Includes codes 9733, 9742, 9800, 9801, 9805, 9820, 9826, 9831-9837, 9840, 9860, 9861, 9863, 9866, 9867, 9870-9876, 9891, 9895-9897, 9910, 9920, 9930, 9931, 9940, 9945, 9946, 9948, 9963, 9964	C91.0-C91.9, C92.0-C92.9, C93.0-C93.9, C94.0-C94.7, C95.0-C95.9
	C42.0, C42.1, C42.4	Includes codes 9823, 9827	
Liver and Intrahepatic Bile Duct	C22.0, C22.1	Excludes codes 9050-9055, 9140, and 9590-9989	C22.0-C22.9
Lung and Bronchus	C34.0-C34.9	Excludes codes 9050-9055, 9140, and 9590-9989	C34.0-C34.9
Multiple Myeloma	C42.1, C42.0, C42.4	Includes codes 9731-9732, 9734	C90.0
Myeloma			C88.0-C88.3, C88.7, C88.9, C90.0-C90.2
Myelodysplastic Syndromes	C42.1	Includes codes 9980, 9982-9987, 9989, 9991, 9992	D46.0-D46.9
Non-Hodgkin Lymphoma	C00.0-C80.9	Includes codes 9590-9596, 9670-9671, 9673, 9675, 9678-9680, 9684, 9687, 9689-9691, 9695, 9698-9702, 9705, 9708-9709, 9714-9719, 9727-9729	C82.0-C82.9, C83.0-C83.9, C84.0-C84.5, C85.0-C85.9
	C00.0-C80.9 excluding codes C42.0, C42.1, C42.2	Includes codes 9823, 9827	
Oral Cavity and Pharynx	C00.0-C14.8	Excludes codes 9050-9055, 9140, and 9590-9989	C00.0-C14.8
Ovary	C56.9	Excludes codes 9050-9055, 9140, and 9590-9989	C56.1-C56.9
Pancreas	C25.0-C25.9	Excludes codes 9050-9055, 9140, and 9590-9989	C25.0-C25.9
Prostate	C61.9	Excludes codes 9050-9055, 9140, and 9590-9989	C61
Skin Melanoma	C44.0-C44.9	Includes codes 8720-8790	C43.0-C43.9
Stomach	C16.0-C16.9	Excludes codes 9050-9055, 9140, and 9590-9989	C16.0-C16.9
Testis	C62.0-C62.9	Excludes codes 9050-9055, 9140, and 9590-9989	C62.0-C62.9
Thyroid	C73.9	Excludes codes 9050-9055, 9140, and 9590-9989	C73
Urinary Bladder (includes in situ and malignant)	C67.0-C67.9	Excludes codes 9050-9055, 9140, and 9590-9989	C67.0-C67.9, D09.0

C. Registry Certification

Every year, NAACCR evaluates MCR data for completeness, quality, and timeliness. In 2017, MCR's incidence data received NAACCR gold certification for all measures, indicating that data submitted were at least 95% complete. MCR's 2013-2017 incidence data also met NPCR U.S. Cancer Statistics Publication Standard.

D. Quality Control and Quality Assurance (QC/QA)

The MCR conducts two major activities to maintain quality control and assurance of information received: 1) intra-and inter-record edits of cancer case reports, and 2) yearly audits, or case finding review and re-abstracting of a sample of records from selected reporting facilities. The MCR quality control/quality assurance program also provides the following components for case finding data completeness:

- i. A review of death certificate data to identify additional cancer cases among deceased Maryland residents who were not previously reported to the MCR, *and*
- ii. Follow back with the ordering physician about cases reported by laboratories to obtain additional demographic, clinical, and treatment data.

E. Data Confidentiality

MDH regards data received, processed, and reported to or by the MCR confidential, and data are secured from unauthorized access and disclosure. MCR manages and releases information in accordance with the laws and regulations established for and by the State of Maryland as set forth in the Md. Code Ann., Health-General §§ 18-203 and 204, the Code of Maryland Regulations 10.14.01, Cancer Registry and policies available at: https://phpa.health.maryland.gov/cancer/Pages/mcr_regs.aspx.

IV. DATA CHARTS

In accordance with the MCR Data Use Manual and Procedures, this report presents data in aggregate. The data charts present 2017 cancer incidence and mortality by cancer type, gender, and race for the State of Maryland. The County Data Pages contain 2017 counts of incidence and mortality for all cancer sites, 2013-2017 incidence and mortality rates for the top five cancers, the top five cancer incidence and mortality rates by gender and race, and the distribution of the stage at diagnosis for the top five cancers (2013-2017). All tables and charts should be reviewed with caution as changes in small numbers can lead to wide variations in rates. Confidence intervals are included with rates in the state tables to help guide interpretation.

Prior to diagnosis year 2017, the NAACCR Hispanic Identification Algorithm (NHIA) was run on all data. For diagnosis year 2017, NHIA was only applied to data in local jurisdictions where at least 5% of the population was Hispanic/Latino ethnicity. Additionally, mortality data for 2017 were obtained from the National Center for Health Statistics (NCHS) Underlying Cause of Death file in CDC WONDER, as opposed to the

NCHS Compressed Mortality File in CDC WONDER used in previous years. The NCHS CMF was discontinued in CDC WONDER after 2016.

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2017

**Maryland Cancer Incidence Cases by Selected Site,
Race/Ethnicity and Gender**

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Table I1: Cancer Sites and All Sites Combined for Maryland:
Count, Age-Adjusted Incidence Rates and 95% Confidence Intervals, By Race/Ethnicity

	Both Genders*** 2017											
	All Races*				White				African-American			
	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI
All Sites	32,258	449.6	444.6	454.7	21,851	462.8	456.5	469.2	8,755	436.6	427.1	446.2
Brain and Other Central Nervous System	405	6.1	5.5	6.7	288	6.7	5.9	7.6	89	4.6	3.7	5.7
Cervix	228	6.9	6.0	7.9	142	7.4	6.2	8.8	63	5.5	4.2	7.1
Colon and Rectum	2,534	35.8	34.4	37.3	1,619	34.7	33.0	36.5	775	40.0	37.2	43.0
Esophagus	300	4.2	3.7	4.7	236	4.8	4.2	5.5	55	2.8	2.1	3.7
Female Breast (Malignant Only)	5,042	133.3	129.5	137.2	3,237	135.5	130.6	140.4	1,479	128.9	122.2	135.9
Hodgkin Lymphoma	157	2.5	2.1	2.9	98	2.6	2.1	3.2	49	2.5	1.8	3.3
Kidney and Renal Pelvis	1,090	15.2	14.3	16.1	708	14.9	13.8	16.1	337	16.7	14.9	18.6
Larynx	160	2.1	1.8	2.5	112	2.2	1.8	2.7	44	2.2	1.6	3.1
Leukemia	823	12.0	11.2	12.9	604	13.2	12.1	14.3	172	8.9	7.6	10.4
Liver and Intrahepatic Bile Duct	656	8.5	7.9	9.2	359	7.0	6.3	7.8	244	11.2	9.8	12.8
Lung and Bronchus	3,984	55.1	53.4	56.9	2,806	57.6	55.4	59.8	1,035	54.0	50.6	57.5
Melanoma	1,753	25.0	23.8	26.2	1,703	37.4	35.6	39.3	18	0.9	0.5	1.5
Multiple Myeloma	588	8.2	7.5	8.9	303	6.2	5.5	7.0	261	13.5	11.9	15.3
Myelodysplastic Syndrome	234	3.3	2.9	3.8	168	3.4	2.9	4.0	58	3.4	2.5	4.4
Non-Hodgkin Lymphoma	1,330	18.9	17.9	20.0	961	20.6	19.3	22.0	295	14.4	12.8	16.2
Oral Cavity and Pharynx	859	11.6	10.8	12.4	671	13.8	12.7	14.9	153	7.6	6.4	9.0
Ovary	424	10.7	9.7	11.8	295	11.7	10.4	13.2	99	8.1	6.6	10.0
Pancreas	989	13.7	12.9	14.6	645	13.3	12.3	14.4	290	15.2	13.4	17.1
Prostate	4,605	130.6	126.8	134.6	2,690	111.9	107.6	116.3	1,705	187.6	178.3	197.2
Stomach	469	6.6	6.0	7.3	252	5.4	4.7	6.1	171	8.8	7.5	10.3
Testis	127	4.5	3.7	5.3	106	6.3	5.1	7.6	13	**	**	**
Thyroid	799	12.4	11.6	13.4	550	13.9	12.7	15.2	163	8.5	7.2	10.0
Urinary Bladder	1,016	14.2	13.3	15.1	812	16.5	15.4	17.7	161	8.9	7.5	10.4
Uterus	1,155	28.3	26.6	30.0	756	29.2	27.1	31.5	342	27.6	24.6	30.8

*All Races include other specified, unspecified and unknown race

***Both Genders include male, female, hermaphrodite, transsexual and unknown(unspecified).

Rates are per 100,000 and are age-adjusted to the 2000 U.S. Standard Population.

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

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

Source: Data as of May 13, 2020 Maryland Cancer Registry

Table I1: Cancer Sites and All Sites Combined for Maryland:
Count, Age-Adjusted Incidence Rates and 95% Confidence Intervals, By Race/Ethnicity (Continued)

	Both Genders*** 2017							
	Other****				Hispanic Ethnicity (of Any Race)			
	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI
All Sites	1,258	267.6	252.7	283.1	853	235.4	217.9	253.9
Brain and Other Central Nervous System	21	4.5	2.8	7.0	23	5.9	3.3	9.4
Cervix	14	**	**	**	25	9.5	6.0	14.4
Colon and Rectum	108	23.5	19.2	28.5	82	22.2	17.2	28.1
Esophagus	7	**	**	**	<6	**	**	**
Female Breast (Malignant Only)	261	97.5	85.8	110.2	144	71.6	59.6	85.1
Hodgkin Lymphoma	6	**	**	**	7	**	**	**
Kidney and Renal Pelvis	32	6.7	4.5	9.5	24	5.2	3.1	8.2
Larynx	<6	**	**	**	<6	**	**	**
Leukemia	31	6.9	4.7	9.9	26	6.7	4.0	10.4
Liver and Intrahepatic Bile Duct	44	9.6	6.9	13.0	22	7.5	4.4	11.7
Lung and Bronchus	127	28.7	23.8	34.3	50	17.3	12.5	23.1
Melanoma	10	**	**	**	18	4.9	2.6	8.1
Multiple Myeloma	18	3.9	2.3	6.1	8	**	**	**
Myelodysplastic Syndrome	6	**	**	**	<6	**	**	**
Non-Hodgkin Lymphoma	54	12.1	9.0	15.8	51	14.3	10.2	19.4
Oral Cavity and Pharynx	28	5.4	3.6	7.9	16	4.7	2.5	8.0
Ovary	24	9.0	5.7	13.5	11	**	**	**
Pancreas	44	9.8	7.1	13.3	29	10.3	6.6	15.1
Prostate	143	65.5	54.9	77.5	84	59.8	46.2	75.8
Stomach	32	7.4	5.0	10.5	37	10.6	7.1	15.2
Testis	6	**	**	**	12	**	**	**
Thyroid	64	13.1	10.0	16.8	51	9.7	7.0	13.2
Urinary Bladder	36	8.5	5.9	11.9	13	**	**	**
Uterus	46	16.7	12.2	22.5	37	17.9	12.3	25.1

*All Races include other specified, unspecified and unknown race

***Both Genders include male, female, hermaphrodite, transsexual and unknown(unspecified).

Rates are per 100,000 and are age-adjusted to the 2000 U.S. Standard Population.

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

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

****Other includes Asian Pacific Islander, American Indian and Alaskan Native, does not include unspecified and unknown races

Source: Data as of May 13, 2020 Maryland Cancer Registry

Table I2: Cancer Sites and All Sites Combined for Maryland:
Count, Age-Adjusted Incidence Rates and 95% Confidence Intervals, By Race/Ethnicity for Males

	Male 2017											
	All Races*				White				African-American			
	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI
All Sites	15,937	488.2	480.4	496.1	10,964	493.6	484.2	503.2	4,234	500.8	484.8	517.1
Brain and Other Central Nervous System	226	7.3	6.3	8.3	164	8.0	6.8	9.3	43	4.9	3.5	6.7
Colon and Rectum	1,306	41.1	38.9	43.5	849	39.6	36.9	42.4	383	47.5	42.6	52.8
Esophagus	229	7.2	6.3	8.3	186	8.4	7.2	9.7	36	4.6	3.1	6.5
Hodgkin Lymphoma	81	2.7	2.1	3.4	52	2.8	2.1	3.7	23	2.6	1.6	4.0
Kidney and Renal Pelvis	651	19.9	18.4	21.6	429	19.4	17.6	21.4	197	23.0	19.8	26.7
Larynx	126	3.8	3.1	4.5	88	3.8	3.0	4.7	34	4.4	3.0	6.3
Leukemia	458	14.9	13.5	16.3	353	16.9	15.1	18.8	82	9.9	7.8	12.5
Liver and Intrahepatic Bile Duct	479	13.6	12.4	14.9	265	10.9	9.6	12.3	177	19.2	16.4	22.4
Lung and Bronchus	1,884	59.4	56.7	62.2	1,369	62.1	58.8	65.6	449	57.1	51.6	63.0
Melanoma	1,026	32.3	30.3	34.4	999	45.8	42.9	48.8	9	**	**	**
Multiple Myeloma	299	9.4	8.3	10.6	169	7.6	6.5	8.9	117	15.1	12.3	18.2
Myelodysplastic Syndrome	132	4.6	3.9	5.5	103	5.0	4.1	6.1	27	4.3	2.8	6.4
Non-Hodgkin Lymphoma	708	22.5	20.9	24.3	521	24.2	22.2	26.5	144	16.7	14.0	19.9
Oral Cavity and Pharynx	596	17.3	15.9	18.7	478	20.4	18.6	22.4	94	10.9	8.7	13.4
Pancreas	506	16.0	14.6	17.5	348	16.0	14.3	17.8	132	16.5	13.6	19.8
Prostate	4,605	130.6	126.8	134.6	2,690	111.9	107.6	116.3	1,705	187.6	178.3	197.2
Stomach	279	8.8	7.7	9.9	168	7.7	6.5	9.0	85	10.6	8.3	13.3
Testis	127	4.5	3.7	5.3	106	6.3	5.1	7.6	13	**	**	**
Thyroid	197	6.2	5.4	7.2	146	7.2	6.0	8.5	34	4.1	2.8	5.8
Urinary Bladder	774	25.2	23.4	27.1	630	28.9	26.7	31.4	113	16.1	13.1	19.6

*All Races include other specified, unspecified and unknown race

***Both Genders include male, female, hermaphrodite, transsexual and unknown(unspecified).

Rates are per 100,000 and are age-adjusted to the 2000 U.S. Standard Population.

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

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

Source: Data as of May 13, 2020 Maryland Cancer Registry

Table I2: Cancer Sites and All Sites Combined for Maryland:
Count, Age-Adjusted Incidence Rates and 95% Confidence Intervals, By Race/Ethnicity for Males (*Continued*)

	Male 2017							
	Other****				Hispanic Ethnicity (of Any Race)			
	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI
All Sites	555	266.9	244.4	290.8	369	234.3	206.4	264.6
Brain and Other Central Nervous System	14	**	**	**	16	8.1	3.7	14.9
Colon and Rectum	62	29.7	22.5	38.3	39	18.9	12.8	26.9
Esophagus	<6	**	**	**	<6	**	**	**
Hodgkin Lymphoma	<6	**	**	**	<6	**	**	**
Kidney and Renal Pelvis	20	8.9	5.4	14.0	14	**	**	**
Larynx	<6	**	**	**	<6	**	**	**
Leukemia	16	8.0	4.5	13.1	14	**	**	**
Liver and Intrahepatic Bile Duct	31	14.8	9.9	21.2	16	11.4	5.8	19.6
Lung and Bronchus	58	30.0	22.5	39.0	17	15.9	8.6	26.2
Melanoma	7	**	**	**	10	**	**	**
Multiple Myeloma	10	**	**	**	<6	**	**	**
Myelodysplastic Syndrome	<6	**	**	**	<6	**	**	**
Non-Hodgkin Lymphoma	32	16.4	11.0	23.3	32	18.4	11.6	27.4
Oral Cavity and Pharynx	18	7.3	4.3	11.6	10	**	**	**
Pancreas	22	11.5	7.1	17.6	17	14.7	7.8	24.4
Prostate	143	65.5	54.9	77.5	84	59.8	46.2	75.8
Stomach	17	8.2	4.7	13.2	24	15.8	9.2	24.9
Testis	6	**	**	**	12	**	**	**
Thyroid	13	**	**	**	8	**	**	**
Urinary Bladder	26	14.0	9.0	20.6	10	**	**	**

*All Races include other specified, unspecified and unknown race

***Both Genders include male, female, hermaphrodite, transsexual and unknown(unspecified).

Rates are per 100,000 and are age-adjusted to the 2000 U.S. Standard Population.

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

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

****Other includes Asian Pacific Islander, American Indian and Alaskan Native, does not include unspecified and unknown races

Source: Data as of May 13, 2020 Maryland Cancer Registry

Table I3: Cancer Sites and All Sites Combined for Maryland:
Count, Age-Adjusted Incidence Rates and 95% Confidence Intervals, By Race/Ethnicity for Females

	Female 2017											
	All Races*				White				African-American			
	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI
All Sites	16,321	425.2	418.6	432.0	10,887	444.9	436.2	453.7	4,521	396.6	384.8	408.7
Brain and Other Central Nervous System	179	5.0	4.3	5.8	124	5.6	4.6	6.7	46	4.3	3.2	5.8
Cervix	228	6.9	6.0	7.9	142	7.4	6.2	8.8	63	5.5	4.2	7.1
Colon and Rectum	1,228	31.6	29.8	33.4	770	30.5	28.3	32.9	392	35.0	31.5	38.7
Esophagus	71	1.8	1.4	2.3	50	1.9	1.4	2.6	19	1.7	1.0	2.7
Female Breast (Malignant Only)	5,042	133.3	129.5	137.2	3,237	135.5	130.6	140.4	1,479	128.9	122.2	135.9
Hodgkin Lymphoma	76	2.4	1.8	3.0	46	2.4	1.7	3.2	26	2.5	1.6	3.6
Kidney and Renal Pelvis	439	11.3	10.3	12.5	279	11.1	9.8	12.6	140	12.2	10.2	14.5
Larynx	34	0.8	0.6	1.2	24	0.9	0.6	1.4	10	**	**	**
Leukemia	365	9.7	8.7	10.8	251	9.9	8.7	11.3	90	8.3	6.6	10.2
Liver and Intrahepatic Bile Duct	177	4.4	3.7	5.1	94	3.7	2.9	4.5	67	5.4	4.2	7.0
Lung and Bronchus	2,100	52.3	50.0	54.6	1,437	54.4	51.6	57.4	586	51.9	47.7	56.4
Melanoma	727	19.8	18.4	21.4	704	31.3	28.9	33.8	9	**	**	**
Multiple Myeloma	289	7.3	6.5	8.3	134	5.2	4.3	6.2	144	12.7	10.6	15.0
Myelodysplastic Syndrome	102	2.5	2.0	3.1	65	2.3	1.8	3.0	31	2.9	2.0	4.2
Non-Hodgkin Lymphoma	622	16.1	14.9	17.5	440	17.7	16.0	19.5	151	12.8	10.8	15.1
Oral Cavity and Pharynx	263	6.8	6.0	7.7	193	7.7	6.6	9.0	59	5.3	4.0	6.9
Ovary	424	10.7	9.7	11.8	295	11.7	10.4	13.2	99	8.1	6.6	10.0
Pancreas	483	11.9	10.8	13.0	297	11.2	9.9	12.6	158	14.0	11.8	16.4
Stomach	190	5.0	4.3	5.8	84	3.5	2.7	4.3	86	7.7	6.1	9.5
Thyroid	602	18.3	16.8	19.8	404	20.7	18.6	22.9	129	12.3	10.2	14.7
Urinary Bladder	242	6.0	5.2	6.8	182	6.7	5.7	7.8	48	4.4	3.2	5.8
Uterus	1,155	28.3	26.6	30.0	756	29.2	27.1	31.5	342	27.6	24.6	30.8

*All Races include other specified, unspecified and unknown race

***Both Genders include male, female, hermaphrodite, transsexual and unknown(unspecified).

Rates are per 100,000 and are age-adjusted to the 2000 U.S. Standard Population.

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

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

Source: Data as of May 13, 2020 Maryland Cancer Registry

Table I3: Cancer Sites and All Sites Combined for Maryland:
Count, Age-Adjusted Incidence Rates and 95% Confidence Intervals, By Race/Ethnicity for Females (*Continued*)

	Female 2017							
	Other****				Hispanic Ethnicity (of Any Race)			
	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI
All Sites	703	271.4	251.3	292.6	484	244.1	221.2	268.6
Brain and Other Central Nervous System	7	**	**	**	7	**	**	**
Cervix	14	**	**	**	25	9.5	6.0	14.4
Colon and Rectum	46	18.5	13.4	24.8	43	23.7	16.7	32.4
Esophagus	<6	**	**	**	<6	**	**	**
Female Breast (Malignant Only)	261	97.5	85.8	110.2	144	71.6	59.6	85.1
Hodgkin Lymphoma	<6	**	**	**	<6	**	**	**
Kidney and Renal Pelvis	12	**	**	**	10	**	**	**
Larynx	0	0.0	0.0	0.0	<6	**	**	**
Leukemia	15	**	**	**	12	**	**	**
Liver and Intrahepatic Bile Duct	13	**	**	**	6	**	**	**
Lung and Bronchus	69	28.2	21.8	35.9	33	18.8	12.7	26.6
Melanoma	<6	**	**	**	8	**	**	**
Multiple Myeloma	8	**	**	**	<6	**	**	**
Myelodysplastic Syndrome	<6	**	**	**	<6	**	**	**
Non-Hodgkin Lymphoma	22	8.6	5.3	13.2	19	10.6	6.0	17.1
Oral Cavity and Pharynx	10	**	**	**	6	**	**	**
Ovary	24	9.0	5.7	13.5	11	**	**	**
Pancreas	22	8.6	5.3	13.1	12	**	**	**
Stomach	15	**	**	**	13	**	**	**
Thyroid	51	19.2	14.2	25.3	43	17.1	12.1	23.4
Urinary Bladder	10	**	**	**	<6	**	**	**
Uterus	46	16.7	12.2	22.5	37	17.9	12.3	25.1

*All Races include other specified, unspecified and unknown race

***Both Genders include male, female, hermaphrodite, transsexual and unknown(unspecified).

Rates are per 100,000 and are age-adjusted to the 2000 U.S. Standard Population.

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

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

****Other includes Asian Pacific Islander, American Indian and Alaskan Native, does not include unspecified and unknown races

Source: Data as of May 13, 2020 Maryland Cancer Registry

2017

Maryland Cancer Mortality Cases by Selected Site,
Race/Ethnicity, and Gender

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Table M1: Cancer Sites and All Sites Combined for Maryland:
Count, Age-Adjusted Mortality Rates and 95% Confidence Intervals, By Race/Ethnicity

	Both Genders 2017											
	All Races*				White				African-American			
	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI
All Sites	10,796	151.5	148.5	154.4	7,329	151.1	147.6	154.7	3,116	166.6	160.5	172.6
Brain and Other Central Nervous System	278	4.0	3.5	4.5	221	4.9	4.3	5.6	47	2.5	1.8	3.3
Cervix	67	1.8	1.4	2.3	31	1.4	0.9	2.0	s	2.6	1.7	3.8
Colon and Rectum	947	13.3	12.4	14.2	611	12.7	11.6	13.7	298	16.0	14.1	17.9
Esophagus	251	3.4	3.0	3.9	196	4.0	3.4	4.6	s	2.6	1.9	3.5
Female Breast (Malignant Only)	857	21.6	20.1	23.0	511	19.3	17.6	21.1	316	28.1	24.9	31.2
Hodgkin Lymphoma	14	**	**	**	<10	**	**	**	<10	**	**	**
Kidney and Renal Pelvis	212	3.0	2.6	3.4	147	3.0	2.5	3.5	s	3.5	2.7	4.6
Larynx	58	0.9	0.6	1.1	36	0.7	0.5	1.0	s	1.3	0.8	2.0
Leukemia	416	6.0	5.4	6.6	320	6.7	6.0	7.5	82	4.6	3.6	5.7
Liver and Intrahepatic Bile Duct	519	6.9	6.3	7.5	277	5.5	4.9	6.2	214	10.2	8.8	11.6
Lung and Bronchus	2,575	35.9	34.5	37.3	1,864	38.1	36.3	39.9	634	34.1	31.4	36.9
Melanoma	112	1.6	1.3	1.9	109	2.3	1.9	2.8	<10	**	**	**
Multiple Myeloma	270	3.8	3.3	4.2	143	3.0	2.5	3.4	s	6.4	5.2	7.6
Non-Hodgkin Lymphoma	349	5.0	4.4	5.5	271	5.6	4.9	6.3	68	3.6	2.8	4.6
Oral Cavity and Pharynx	177	2.4	2.1	2.8	128	2.6	2.1	3.0	39	1.9	1.4	2.7
Ovary	245	6.1	5.3	6.9	174	6.7	5.7	7.7	s	5.6	4.3	7.2
Pancreas	802	11.2	10.4	12.0	536	11.0	10.1	12.0	242	12.9	11.2	14.5
Prostate	555	19.5	17.8	21.1	342	16.7	14.9	18.5	199	31.2	26.6	35.7
Stomach	190	2.7	2.3	3.1	101	2.1	1.7	2.6	72	3.9	3.1	5.0
Urinary Bladder	298	4.2	3.7	4.7	233	4.6	4.0	5.2	s	3.4	2.6	4.5
Uterus	249	6.4	5.6	7.2	130	5.1	4.2	6.0	s	9.7	7.8	11.5

*All Races includes White, Black or African American, Asian or Pacific Islander, American Indian or Alaska Native

Rates are per 100,000 and are age-adjusted to the 2000 U.S. Standard Population.

<10 = case counts of 0-9 are suppressed per MDH/CDC Data Use Policy

s=Death counts are suppressed to prevent disclosure of data in other cell(s)

** Rates based on case counts of 0-19 are suppressed per MDH/CDC Data Use Policy

Source: CDC WONDER as of October 20, 2020

Table M1: Cancer Sites and All Sites Combined for Maryland:
Count, Age-Adjusted Mortality Rates and 95% Confidence Intervals, By Race/Ethnicity (*Continued*)

	Both Genders 2017							
	Other***				Hispanic Ethnicity (of Any Race)			
	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI
All Sites	351	80.0	71.4	88.5	248	77.1	66.4	87.8
Brain and Other Central Nervous System	10	**	**	**	15	**	**	**
Cervix	<10	**	**	**	<10	**	**	**
Colon and Rectum	38	8.8	6.2	12.2	23	5.5	3.4	8.5
Esophagus	<10	**	**	**	<10	**	**	**
Female Breast (Malignant Only)	30	11.5	7.7	16.5	20	6.5	11.2	18.0
Hodgkin Lymphoma	<10	**	**	**	<10	**	**	**
Kidney and Renal Pelvis	<10	**	**	**	<10	**	**	**
Larynx	<10	**	**	**	<10	**	**	**
Leukemia	14	**	**	**	11	**	**	**
Liver and Intrahepatic Bile Duct	28	6.0	3.9	8.8	20	7.3	4.3	11.8
Lung and Bronchus	77	18.1	14.2	22.8	35	13.2	8.9	18.8
Melanoma	<10	**	**	**	<10	**	**	**
Multiple Myeloma	<10	**	**	**	<10	**	**	**
Non-Hodgkin Lymphoma	10	**	**	**	<10	**	**	**
Oral Cavity and Pharynx	10	**	**	**	<10	**	**	**
Ovary	<10	**	**	**	10	**	**	**
Pancreas	24	5.8	3.7	8.7	19	**	**	**
Prostate	14	**	**	**	<10	**	**	**
Stomach	17	**	**	**	21	5.4	3.1	8.6
Urinary Bladder	<10	**	**	**	<10	**	**	**
Uterus	<10	**	**	**	<10	**	**	**

Rates are per 100,000 and are age-adjusted to the 2000 U.S. Standard Population.

<10 = case counts of 0-9 are suppressed per MDH/CDC Data Use Policy

** Rates based on case counts of 0-19 are suppressed per MDH/CDC Data Use Policy

***Other Includes Asian or Pacific Islander and American Indian or Alaska Native

s=Death counts are suppressed to prevent disclosure of data in other cell(s)

Source: CDC WONDER as of October 20, 2020

Table M2: Cancer Sites and All Sites Combined for Maryland:
Count, Age-Adjusted Mortality Rates and 95% Confidence Intervals, By Race/Ethnicity for Males

	Male 2017											
	All Races*				White				African-American			
	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI
All Sites	5,490	178.7	173.9	183.6	3,821	178.3	172.5	184.0	1,485	198.4	187.6	209.1
Brain and Other Central Nervous System	161	5.1	4.3	6.0	124	6.0	4.9	7.0	s	3.4	2.2	5.0
Colon and Rectum	488	16.2	14.7	17.6	318	15.1	13.4	16.8	147	19.7	16.3	23.1
Esophagus	197	6.1	5.3	7.0	158	7.1	6.0	8.2	s	4.5	3.0	6.4
Hodgkin Lymphoma	<10	**	**	**	<10	**	**	**	<10	**	**	**
Kidney and Renal Pelvis	131	4.3	3.5	5.0	95	4.5	3.6	5.5	s	4.5	3.0	6.4
Larynx	43	1.4	1.0	1.9	24	1.1	0.7	1.7	s	**	**	**
Leukemia	241	8.1	7.1	9.2	191	9.1	7.8	10.4	s	5.8	4.1	7.9
Liver and Intrahepatic Bile Duct	369	10.8	9.7	12.0	198	8.7	7.4	9.9	s	16.6	13.9	19.4
Lung and Bronchus	1,302	42.0	39.7	44.4	939	43.2	40.4	46.0	319	42.7	37.7	47.7
Melanoma	62	2.1	1.6	2.7	61	2.9	2.2	3.7	<10	**	**	**
Multiple Myeloma	143	4.7	3.9	5.5	s	4.0	3.1	4.9	57	7.3	5.5	9.6
Non-Hodgkin Lymphoma	201	6.6	5.7	7.5	158	7.4	6.2	8.6	s	4.5	3.1	6.3
Oral Cavity and Pharynx	129	3.9	3.2	4.6	94	4.1	3.3	5.0	s	3.4	2.2	5.0
Pancreas	432	13.8	12.4	15.1	301	13.9	12.3	15.5	119	14.7	11.9	17.5
Prostate	555	19.5	17.8	21.1	342	16.7	14.9	18.5	199	31.2	26.6	35.7
Stomach	118	3.7	3.0	4.4	67	3.0	2.3	3.8	s	5.6	3.9	7.7
Urinary Bladder	206	7.0	6.0	8.0	164	7.7	6.5	8.9	s	5.8	4.0	8.1

*All Races includes White, Black or African American, Asian or Pacific Islander, American Indian or Alaska Native

Rates are per 100,000 and are age-adjusted to the 2000 U.S. Standard Population.

<10 = case counts of 0-9 are suppressed per MDH/CDC Data Use Policy

s=Death counts are suppressed to prevent disclosure of data in other cell(s)

** Rates based on case counts of 0-19 are suppressed per MDH/CDC Data Use Policy

Source: CDC WONDER as of October 20, 2020

Table M2: Cancer Sites and All Sites Combined for Maryland:
Count, Age-Adjusted Mortality Rates and 95% Confidence Intervals, By Race/Ethnicity for Males (*Continued*)

	Male 2017							
	Other***				Hispanic Ethnicity (of Any Race)			
	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI
All Sites	184	97.1	82.5	111.6	122	82.2	64.8	99.6
Brain and Other Central Nervous System	<10	**	**	**	s	**	**	**
Colon and Rectum	23	12.4	7.8	18.8	12	**	**	**
Esophagus	<10	**	**	**	<10	**	**	**
Hodgkin Lymphoma	<10	**	**	**	<10	**	**	**
Kidney and Renal Pelvis	<10	**	**	**	<10	**	**	**
Larynx	<10	**	**	**	<10	**	**	**
Leukemia	<10	**	**	**	<10	**	**	**
Liver and Intrahepatic Bile Duct	s	9.8	5.8	15.5	s	**	**	**
Lung and Bronchus	44	23.7	17.0	32.2	14	**	**	**
Melanoma	<10	**	**	**	<10	**	**	**
Multiple Myeloma	<10	**	**	**	<10	**	**	**
Non-Hodgkin Lymphoma	<10	**	**	**	<10	**	**	**
Oral Cavity and Pharynx	<10	**	**	**	<10	**	**	**
Pancreas	12	**	**	**	s	**	**	**
Prostate	14	**	**	**	<10	**	**	**
Stomach	<10	**	**	**	s	**	**	**
Urinary Bladder	<10	**	**	**	<10	**	**	**

Rates are per 100,000 and are age-adjusted to the 2000 U.S. Standard Population.

<10 = case counts of 0-9 are suppressed per MDH/CDC Data Use Policy

** Rates based on case counts of 0-19 are suppressed per MDH/CDC Data Use Policy

***Other Includes Asian or Pacific Islander and American Indian or Alaska Native

s=Death counts are suppressed to prevent disclosure of data in other cell(s)

Source: CDC WONDER as of October 20, 2020

Table M3: Cancer Sites and All Sites Combined for Maryland:
Count, Age-Adjusted Mortality Rates and 95% Confidence Intervals, By Race/Ethnicity for Females

	Female 2017											
	All Races*				White				African-American			
	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI
All Sites	5,306	132.5	128.9	136.2	3,508	131.5	127.0	136.0	1,631	147.1	139.8	154.4
Brain and Other Central Nervous System	117	3.0	2.5	3.6	97	4.0	3.2	4.9	s	**	**	**
Cervix	67	1.8	1.4	2.3	31	1.4	0.9	2.0	s	2.6	1.7	3.8
Colon and Rectum	459	11.3	10.2	12.3	293	10.9	9.6	12.2	151	13.4	11.2	15.6
Esophagus	54	1.4	1.0	1.8	38	1.4	1.0	1.9	s	**	**	**
Female Breast (Malignant Only)	857	21.6	20.1	23.0	511	19.3	17.6	21.1	316	28.1	24.9	31.2
Hodgkin Lymphoma	<10	**	**	**	<10	**	**	**	<10	**	**	**
Kidney and Renal Pelvis	81	2.1	1.6	2.6	52	1.8	1.4	2.4	s	2.9	1.9	4.2
Larynx	15	**	**	**	12	**	**	**	<10	**	**	**
Leukemia	175	4.5	3.8	5.2	129	4.9	4.0	5.8	s	3.8	2.7	5.2
Liver and Intrahepatic Bile Duct	150	3.7	3.1	4.3	79	2.9	2.3	3.6	s	5.5	4.2	7.1
Lung and Bronchus	1,273	31.5	29.7	33.2	925	34.3	32.1	36.6	315	28.5	25.3	31.7
Melanoma	50	1.3	1.0	1.8	48	1.9	1.4	2.6	<10	**	**	**
Multiple Myeloma	127	3.1	2.6	3.7	s	2.2	1.7	2.8	63	5.7	4.4	7.4
Non-Hodgkin Lymphoma	148	3.7	3.1	4.4	113	4.2	3.4	4.9	s	3.0	2.0	4.3
Oral Cavity and Pharynx	48	1.2	0.9	1.6	34	1.3	0.9	1.8	s	**	**	**
Ovary	245	6.1	5.3	6.9	174	6.7	5.7	7.7	s	5.6	4.3	7.2
Pancreas	370	9.1	8.2	10.1	235	8.7	7.5	9.8	123	11.4	9.3	13.5
Stomach	72	1.9	1.4	2.4	34	1.4	1.0	2.0	s	2.8	1.9	4.0
Urinary Bladder	92	2.2	1.8	2.7	69	2.4	1.8	3.0	s	2.0	1.2	3.1
Uterus	249	6.4	5.6	7.2	130	5.1	4.2	6.0	s	9.7	7.8	11.5

*All Races includes White, Black or African American, Asian or Pacific Islander, American Indian or Alaska Native

Rates are per 100,000 and are age-adjusted to the 2000 U.S. Standard Population.

<10 = case counts of 0-9 are suppressed per MDH/CDC Data Use Policy

s=Death counts are suppressed to prevent disclosure of data in other cell(s)

** Rates based on case counts of 0-19 are suppressed per MDH/CDC Data Use Policy

Source: CDC WONDER as of October 20, 2020

Table M3: Cancer Sites and All Sites Combined for Maryland:
Count, Age-Adjusted Mortality Rates and 95% Confidence Intervals, By Race/Ethnicity for Females (*Continued*)

	Female 2017							
	Other***				Hispanic Ethnicity (of Any Race)			
	Count	Rate	Lower CI	Upper CI	Count	Rate	Lower CI	Upper CI
All Sites	167	67.3	56.9	77.7	126	73.1	59.4	86.7
Brain and Other Central Nervous System	<10	**	**	**	<10	**	**	**
Cervix	<10	**	**	**	<10	**	**	**
Colon and Rectum	15	**	**	**	11	**	**	**
Esophagus	<10	**	**	**	<10	**	**	**
Female Breast (Malignant Only)	30	11.5	7.7	16.5	20	11.2	6.5	18.0
Hodgkin Lymphoma	<10	**	**	**	<10	**	**	**
Kidney and Renal Pelvis	<10	**	**	**	<10	**	**	**
Larynx	<10	**	**	**	<10	**	**	**
Leukemia	<10	**	**	**	<10	**	**	**
Liver and Intrahepatic Bile Duct	<10	**	**	**	<10	**	**	**
Lung and Bronchus	33	13.8	9.4	19.5	21	13.1	7.9	20.4
Melanoma	<10	**	**	**	<10	**	**	**
Multiple Myeloma	<10	**	**	**	<10	**	**	**
Non-Hodgkin Lymphoma	<10	**	**	**	<10	**	**	**
Oral Cavity and Pharynx	<10	**	**	**	<10	**	**	**
Ovary	<10	**	**	**	10	**	**	**
Pancreas	12	**	**	**	<10	**	**	**
Stomach	<10	**	**	**	<10	**	**	**
Urinary Bladder	<10	**	**	**	<10	**	**	**
Uterus	<10	**	**	**	<10	**	**	**

Rates are per 100,000 and are age-adjusted to the 2000 U.S. Standard Population.

<10 = case counts of 0-9 are suppressed per MDH/CDC Data Use Policy

** Rates based on case counts of 0-19 are suppressed per MDH/CDC Data Use Policy

***Other Includes Asian or Pacific Islander and American Indian or Alaska Native

s=Death counts are suppressed to prevent disclosure of data in other cell(s)

Source: CDC WONDER as of October 20, 2020

2017 Maryland Incidence and Mortality Selected Cancer Rates (Maryland and by County)

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Maryland



2017 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

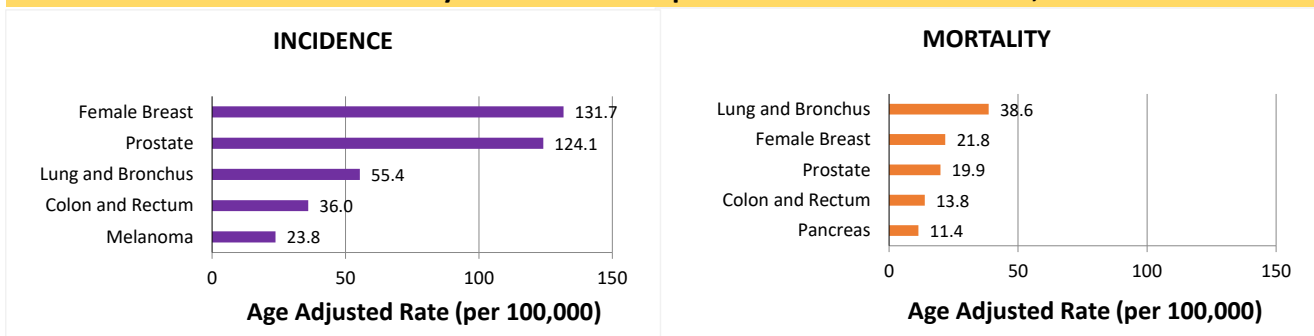
Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2017, the number of incidence and mortality cases in Maryland were:

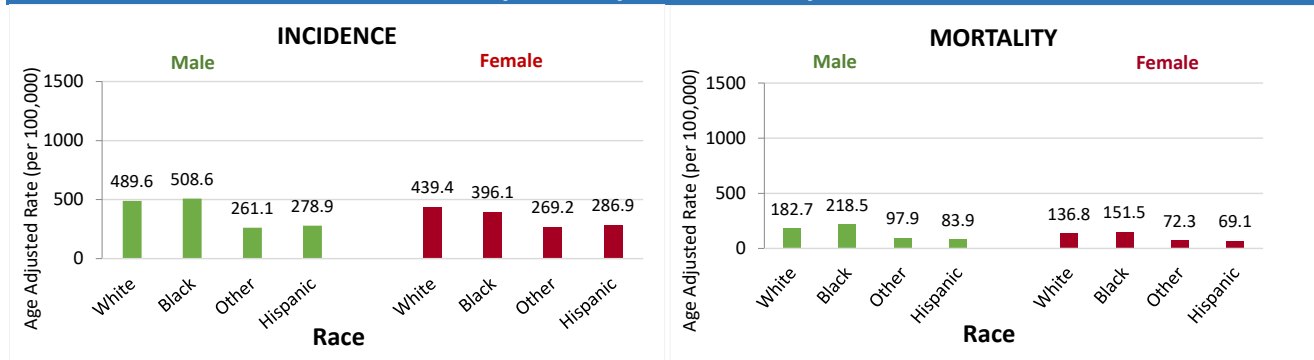
Incidence: 32,258 new cases of all cancer cases

Mortality: 10,796 deaths from cancer

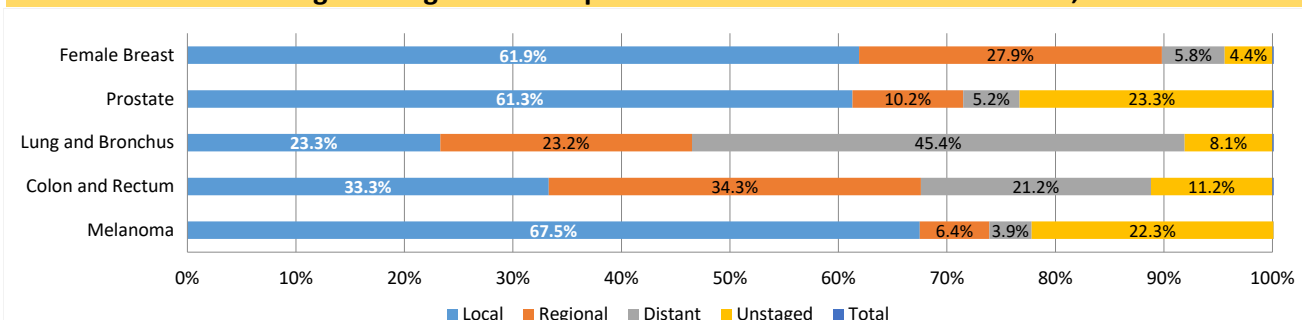
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2013-2017



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2013-2017



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2013-2017**



Prepared by the Maryland Cancer Registry (MCR). The MCR is the state's official source for cancer statistics. The MCR collects all new cases of reportable cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

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

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

Other = Asian or Pacific Islander, American Indian, Alaskan Native

** Percentages for cancer staging may not total 100% due to rounding

Allegany County



2017 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

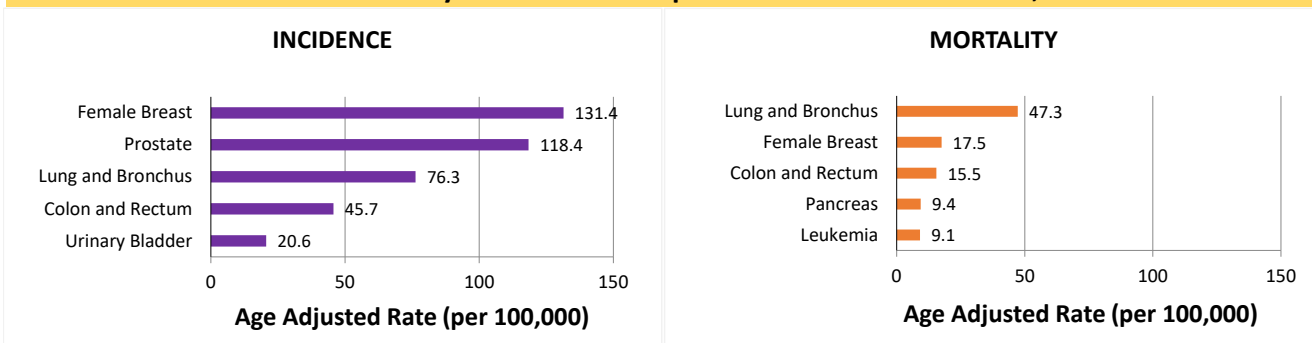
According to the Maryland Cancer Registry, a total of 32,258 Maryland residents were diagnosed with cancer in 2017. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2017, the number of incidence and mortality cases in Allegany County were:

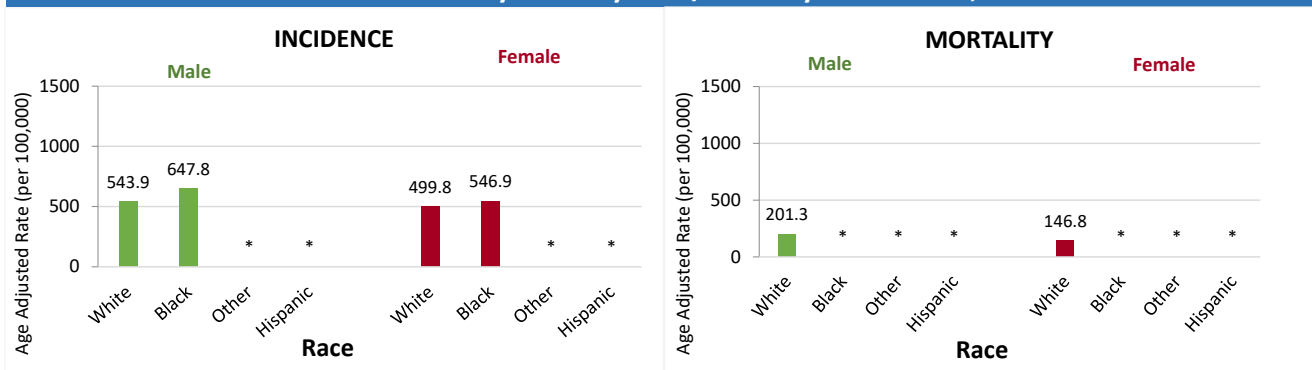
Incidence: 527 new cases of all cancer cases

Mortality: 157 deaths from cancer

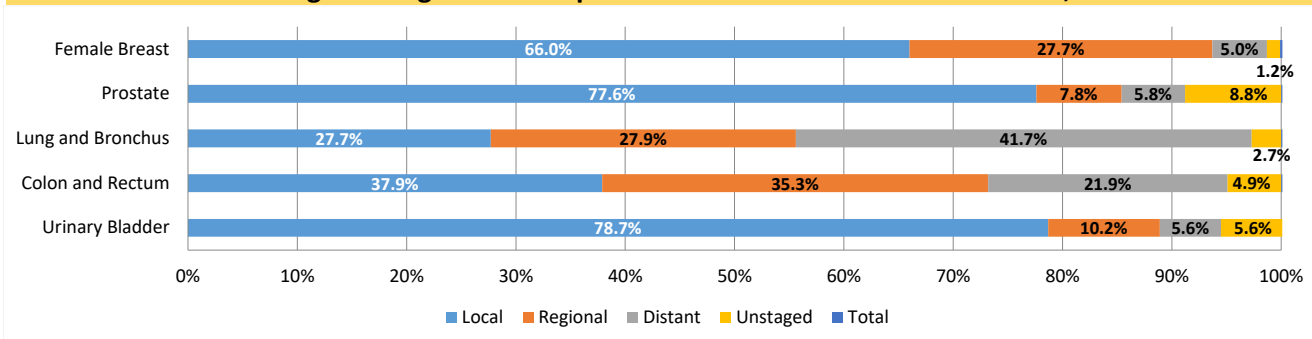
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2013-2017



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2013-2017



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2013-2017**



Prepared by the Maryland Cancer Registry (MCR). The MCR is the state's official source for cancer statistics. The MCR collects all new cases of reportable cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

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

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

Other = Asian or Pacific Islander, American Indian, Alaskan Native

**Percentages for cancer staging may not total 100% due to rounding

Anne Arundel County



2017 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

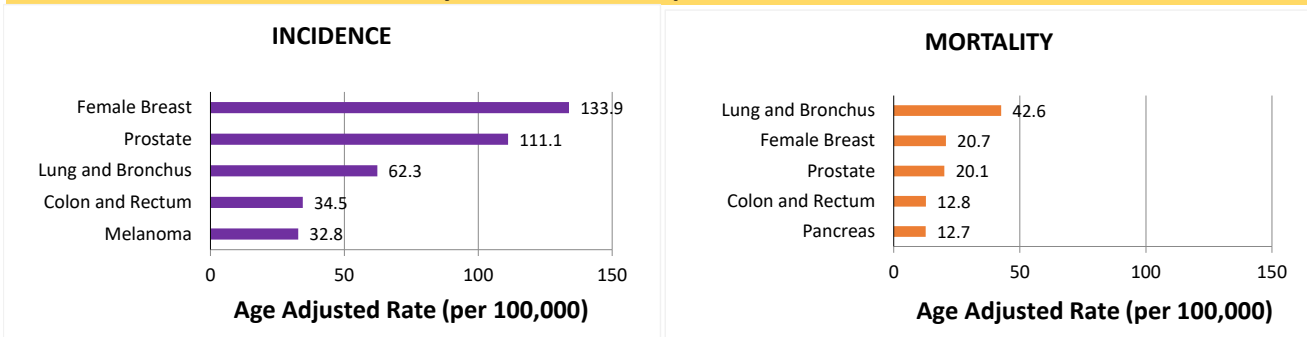
According to the Maryland Cancer Registry, a total of 32,258 Maryland residents were diagnosed with cancer in 2017. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2017, the number of incidence and mortality cases in Anne Arundel County were:

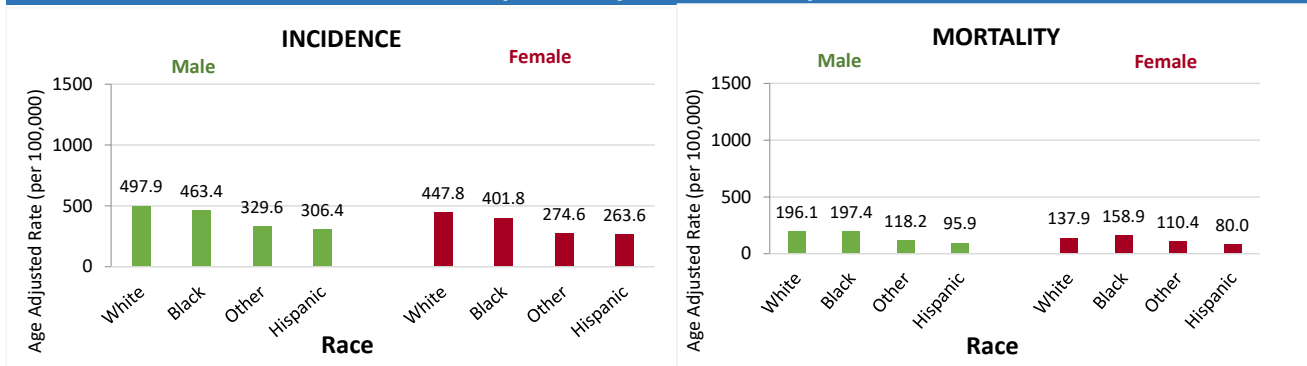
Incidence: 2,877 new cases of all cancer cases

Mortality: 978 deaths from cancer

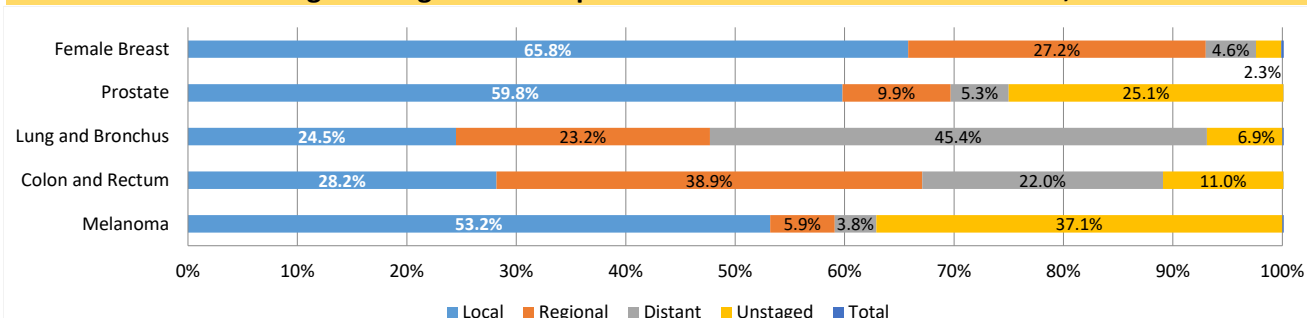
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2013-2017



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2013-2017



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2013-2017**



Prepared by the Maryland Cancer Registry (MCR). The MCR is the state's official source for cancer statistics. The MCR collects all new cases of reportable cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

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

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

Other = Asian or Pacific Islander, American Indian, Alaskan Native

**Percentages for cancer staging may not total 100% due to rounding



2017 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

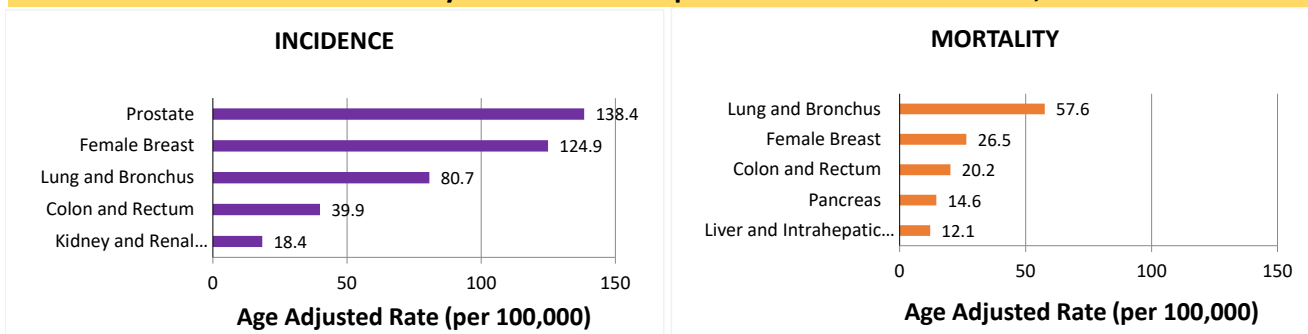
According to the Maryland Cancer Registry, a total of 32,258 Maryland residents were diagnosed with cancer in 2017. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2017, the number of incidence and mortality cases in Baltimore City were:

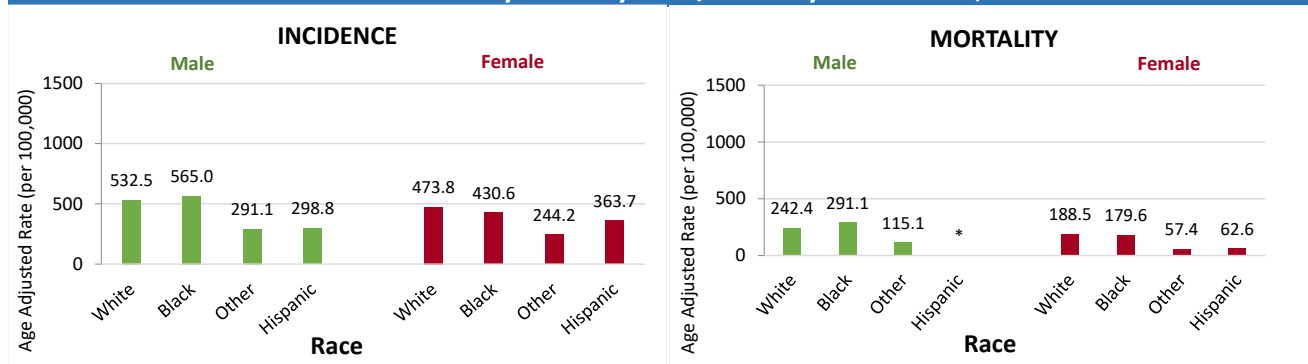
Incidence: 3,253 new cases of all cancer cases

Mortality: 1,258 deaths from cancer

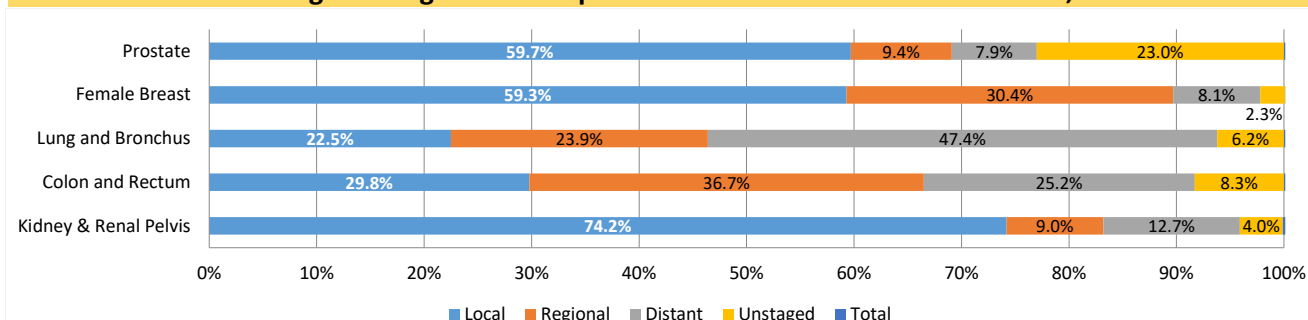
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2013-2017



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2013-2017



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2013-2017**



Prepared by the Maryland Cancer Registry (MCR). The MCR is the state's official source for cancer statistics. The MCR collects all new cases of reportable cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

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

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

Other = Asian or Pacific Islander, American Indian, Alaskan Native

**Percentages for cancer staging may not total 100% due to rounding

Baltimore County



2017 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

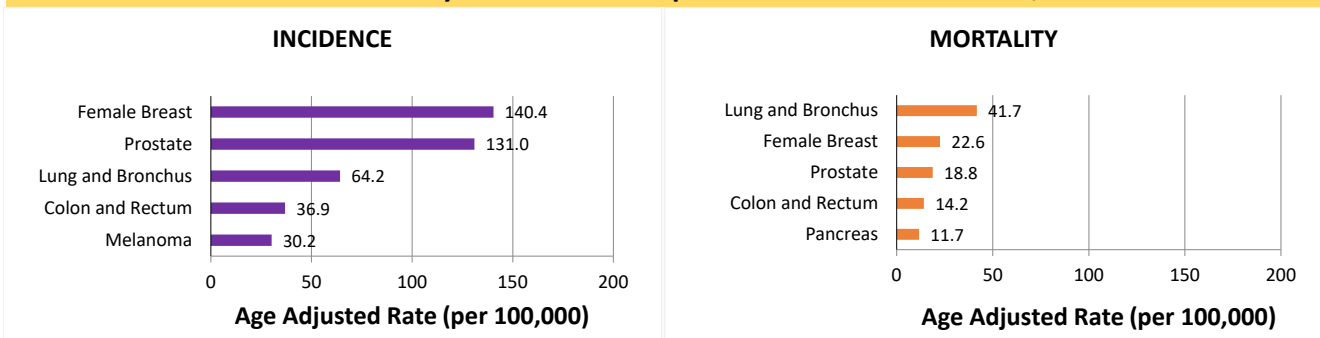
According to the Maryland Cancer Registry, a total of 32,258 Maryland residents were diagnosed with cancer in 2017. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2017, the number of incidence and mortality cases in Baltimore County were:

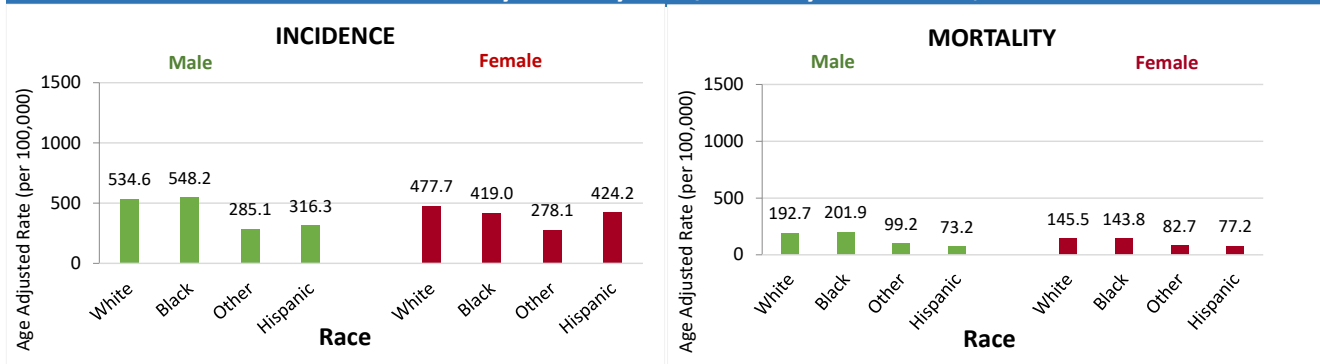
Incidence: 5,132 new cases of all cancer cases

Mortality: 1,776 deaths from cancer

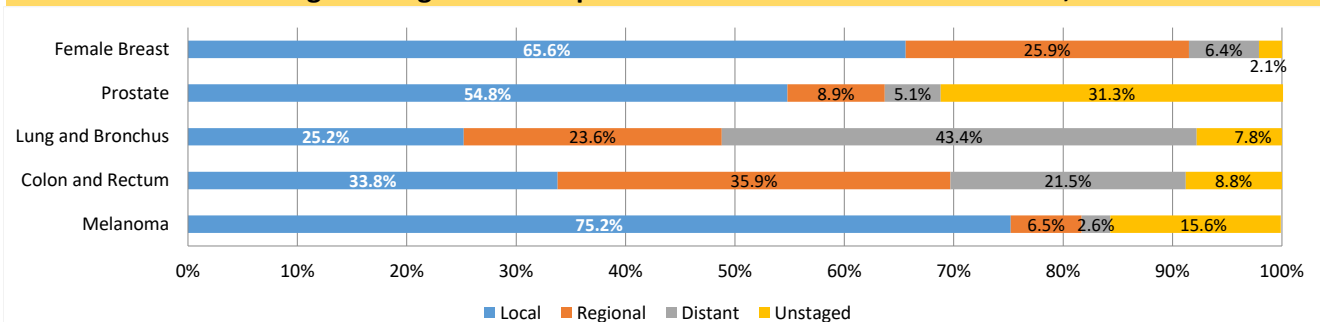
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2013-2017



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2013-2017



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2013-2017**



Prepared by the Maryland Cancer Registry (MCR). The MCR is the state's official source for cancer statistics. The MCR collects all new cases of reportable cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

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

Other = Asian or Pacific Islander, American Indian, Alaskan Native

**Percentages for cancer staging may not total 100% due to rounding

Calvert County



2017 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

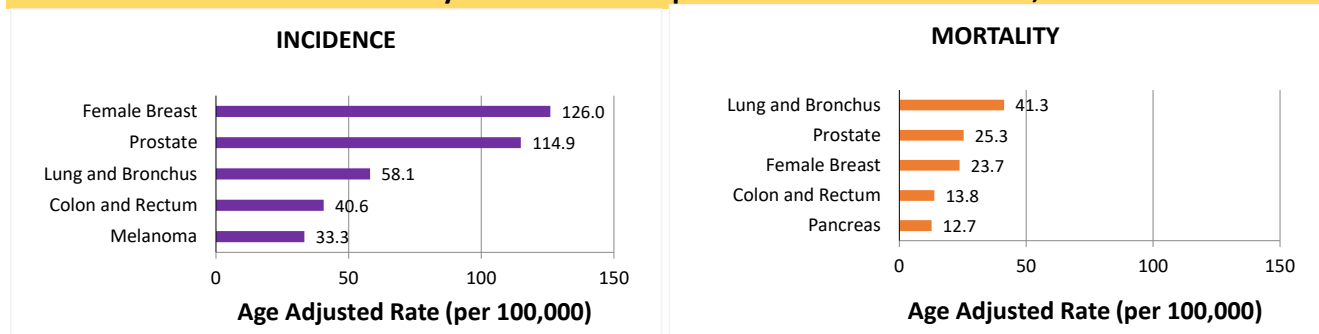
According to the Maryland Cancer Registry, a total of 32,258 Maryland residents were diagnosed with cancer in 2017. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2017, the number of incidence and mortality cases in Calvert County were:

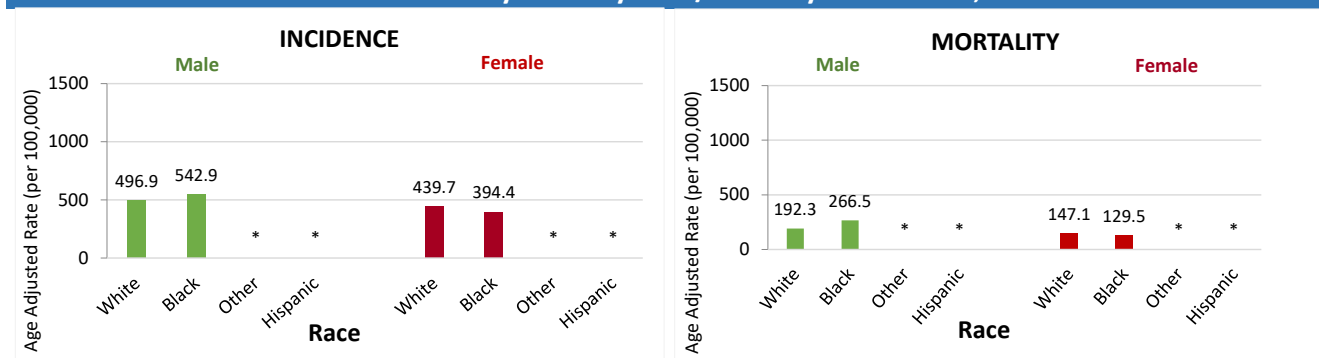
Incidence: 482 new cases of all cancer cases

Mortality: 176 deaths from cancer

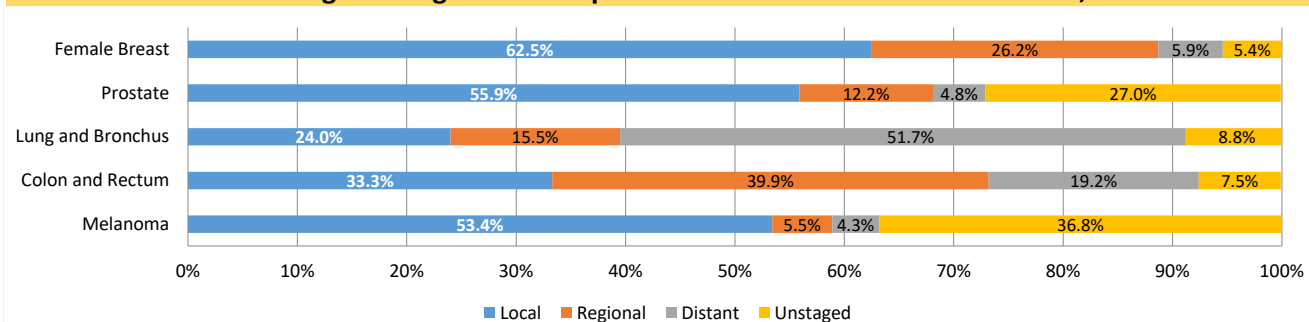
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2013-2017



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2013-2017



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2013-2017**



Prepared by the Maryland Cancer Registry (MCR). The MCR is the state's official source for cancer statistics. The MCR collects all new cases of reportable cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

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

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

Other = Asian or Pacific Islander, American Indian, Alaskan Native

**Percentages for cancer staging may not total 100% due to rounding

Caroline County



2017 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

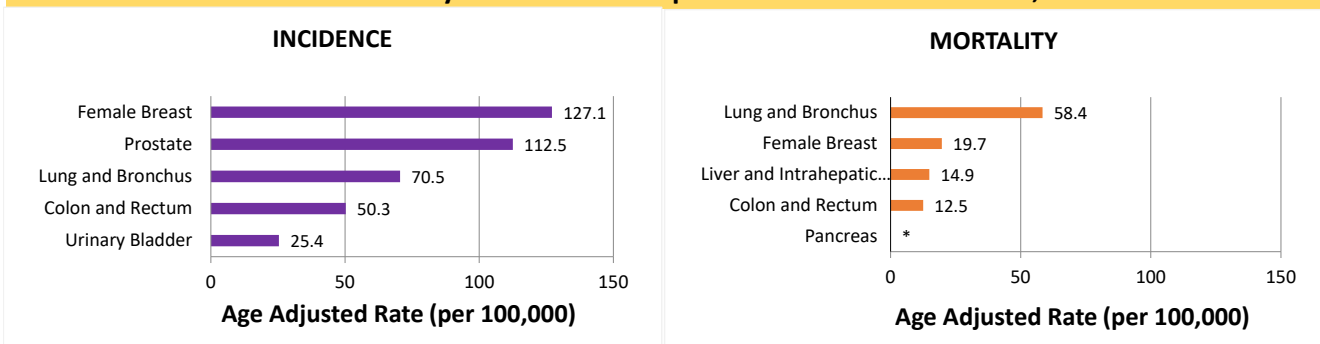
According to the Maryland Cancer Registry, a total of 32,258 Maryland residents were diagnosed with cancer in 2017. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2017, the number of incidence and mortality cases in Caroline County were:

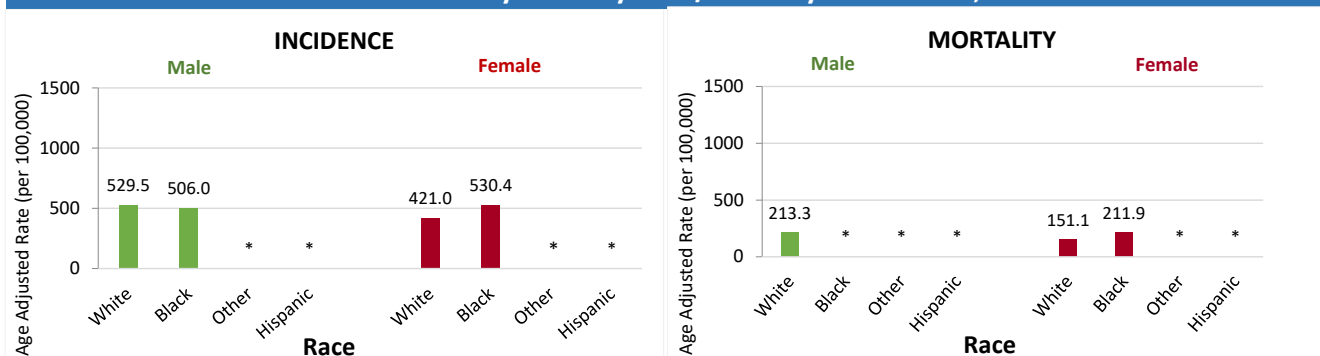
Incidence: 211 new cases of all cancer cases

Mortality: 73 deaths from cancer

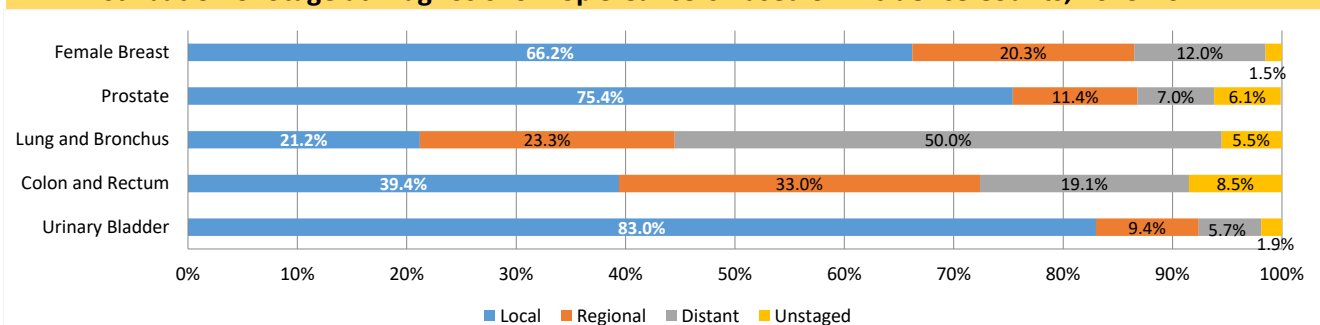
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2013-2017



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2013-2017



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2013-2017**



Prepared by the Maryland Cancer Registry (MCR). The MCR is the state's official source for cancer statistics. The MCR collects all new cases of reportable cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

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

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

Other = Asian or Pacific Islander, American Indian, Alaskan Native

**Percentages for cancer staging may not total 100% due to rounding

Carroll County



2017 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

According to the Maryland Cancer Registry, a total of 32,258 Maryland residents were diagnosed with cancer in 2017. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

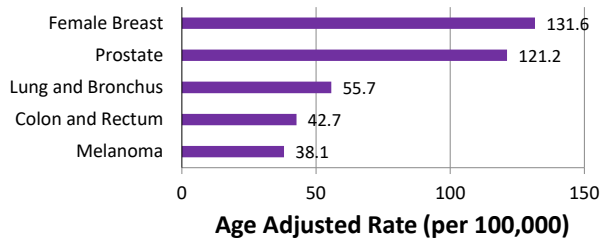
In 2017, the number of incidence and mortality cases in Carroll County were:

Incidence: 1,053 new cases of all cancer cases

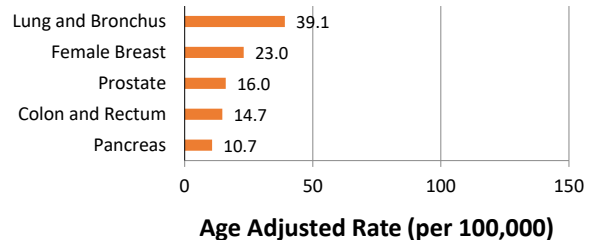
Mortality: 299 deaths from cancer

Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2013-2017

INCIDENCE

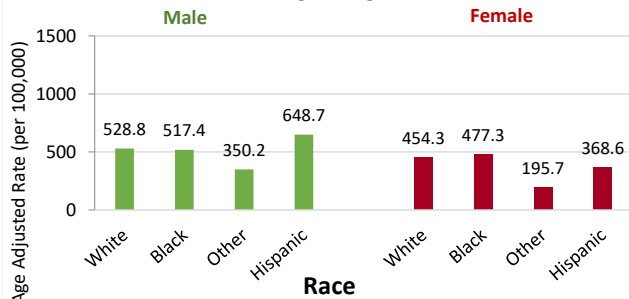


MORTALITY

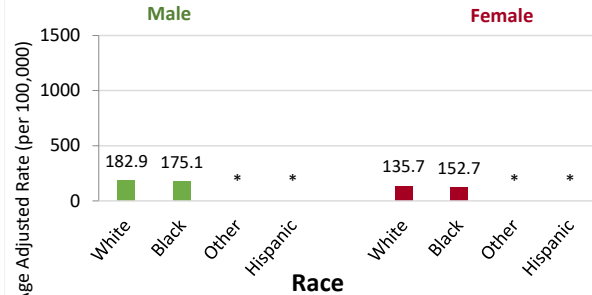


Incidence and Mortality Rates by Race/Ethnicity and Gender, 2013-2017

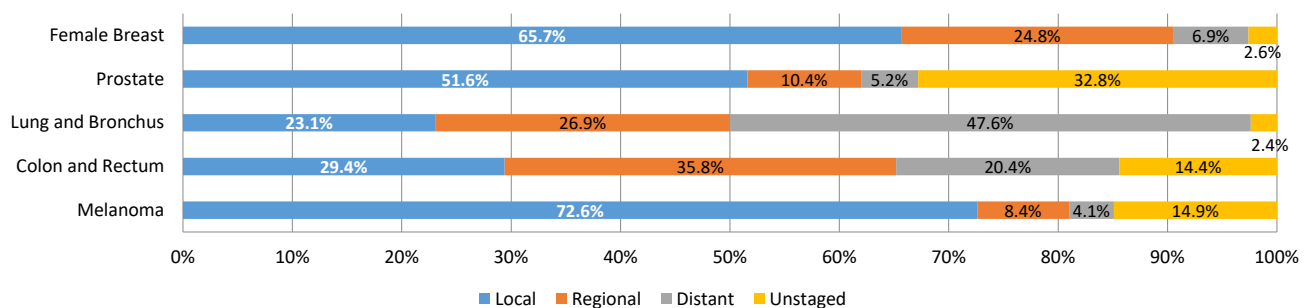
INCIDENCE



MORTALITY



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2013-2017**



Prepared by the Maryland Cancer Registry (MCR). The MCR is the state's official source for cancer statistics. The MCR collects all new cases of reportable cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

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

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

Other = Asian or Pacific Islander, American Indian, Alaskan Native

**Percentages for cancer staging may not total 100% due to rounding

Cecil County



2017 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

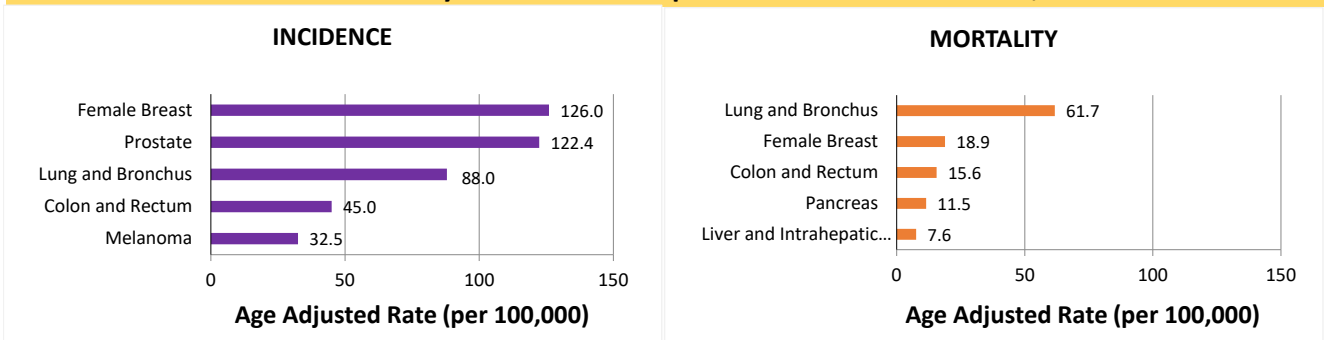
According to the Maryland Cancer Registry, a total of 32,258 Maryland residents were diagnosed with cancer in 2017. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2017, the number of incidence and mortality cases in Cecil County were:

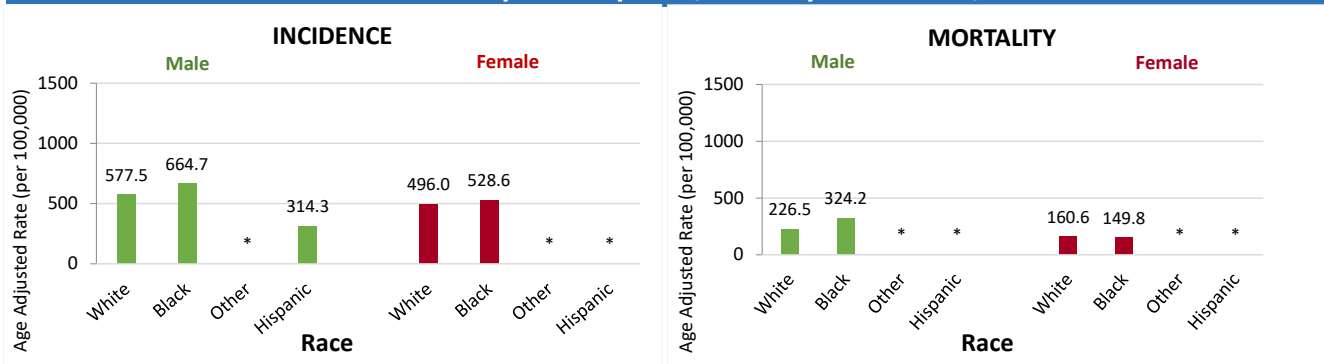
Incidence: 673 new cases of all cancer cases

Mortality: 234 deaths from cancer

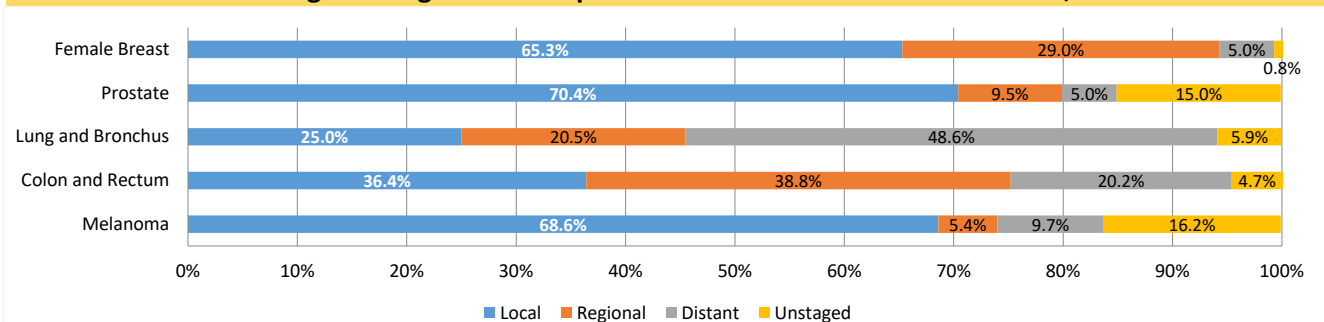
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2013-2017



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2013-2017



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2013-2017**



Prepared by the Maryland Cancer Registry (MCR). The MCR is the state's official source for cancer statistics. The MCR collects all new cases of reportable cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

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

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

Other = Asian or Pacific Islander, American Indian, Alaskan Native

**Percentages for cancer staging may not total 100% due to rounding

Charles County



2017 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

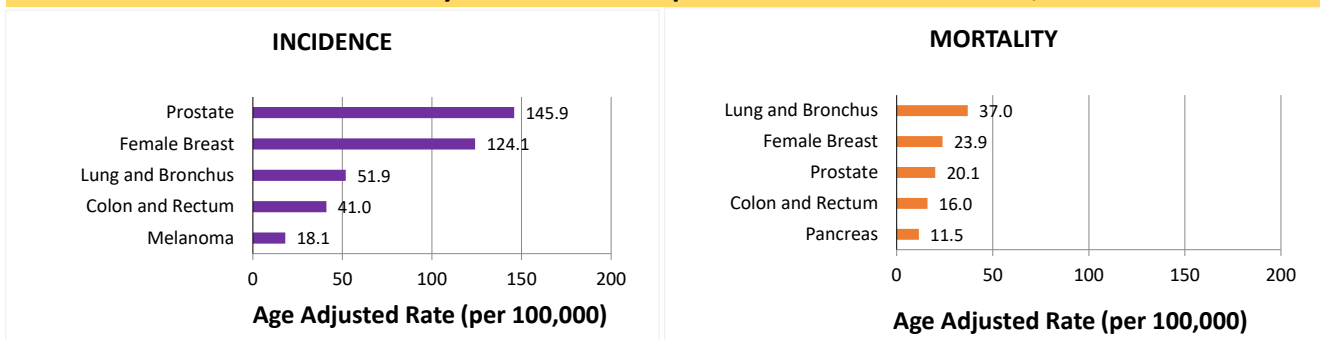
According to the Maryland Cancer Registry, a total of 32,258 Maryland residents were diagnosed with cancer in 2017. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2017, the number of incidence and mortality cases in Charles County were:

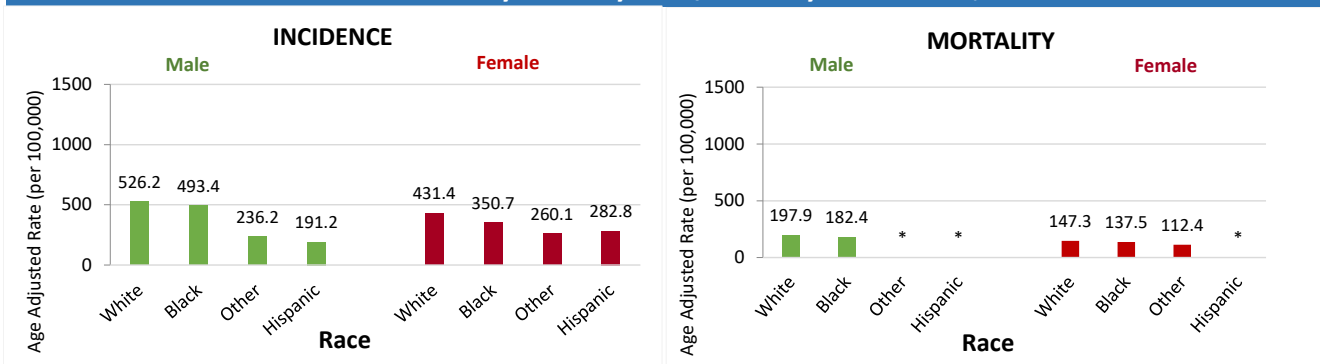
Incidence: 729 new cases of all cancer cases

Mortality: 256 deaths from cancer

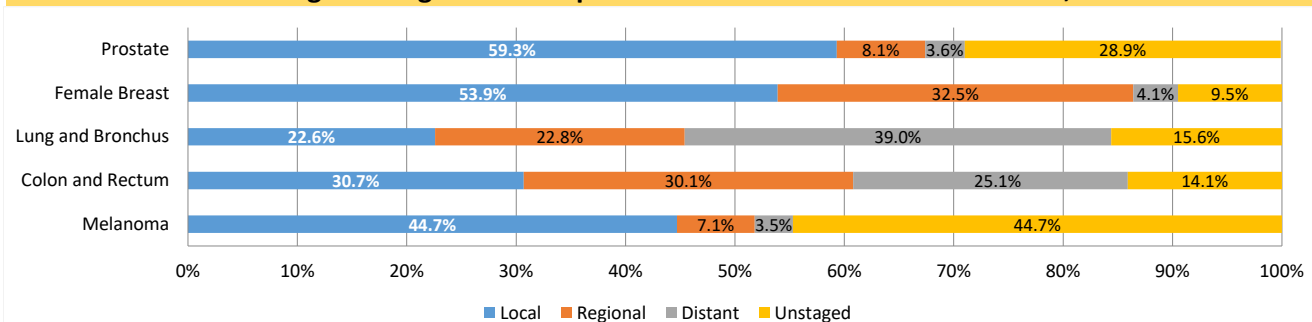
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2013-2017



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2013-2017



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2013-2017**



Prepared by the Maryland Cancer Registry (MCR). The MCR is the state's official source for cancer statistics. The MCR collects all new cases of reportable cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

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

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

Other = Asian or Pacific Islander, American Indian, Alaskan Native

**Percentages for cancer staging may not total 100% due to rounding

Dorchester County



2017 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

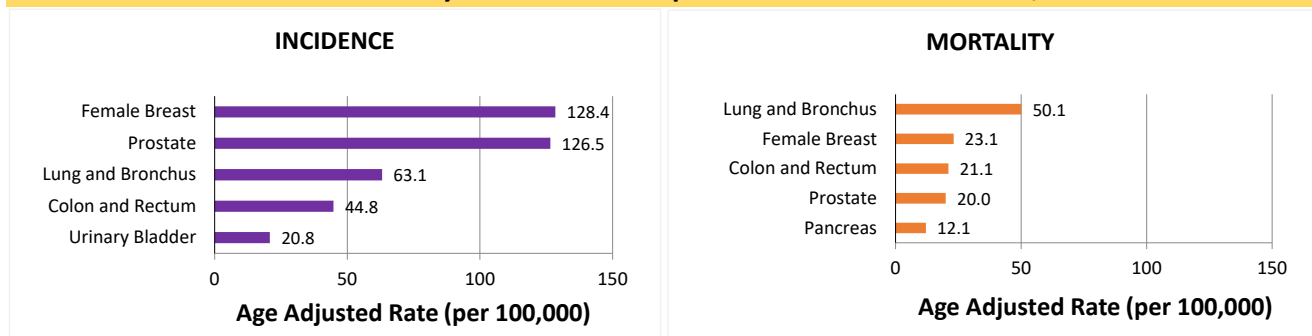
According to the Maryland Cancer Registry, a total of 32,258 Maryland residents were diagnosed with cancer in 2017. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2017, the number of incidence and mortality cases in Dorchester County were:

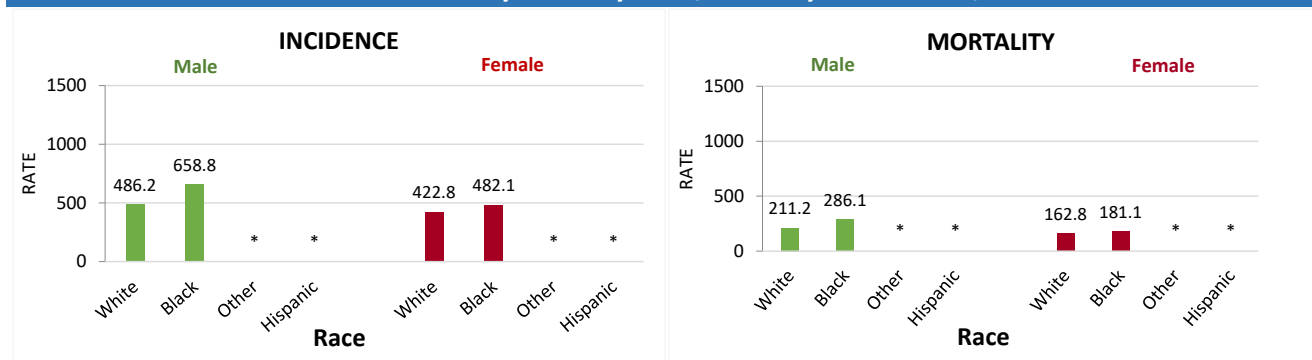
Incidence: 212 new cases of all cancer cases

Mortality: 91 deaths from cancer

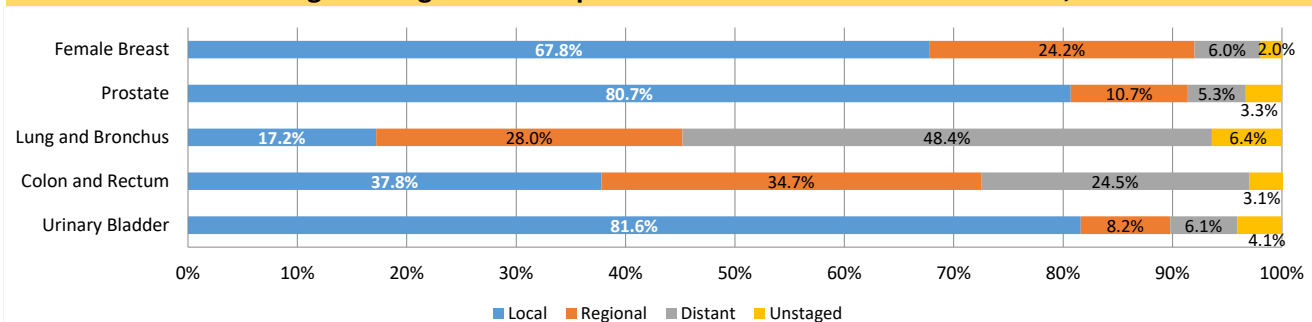
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2013-2017



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2013-2017



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2013-2017**



Prepared by the Maryland Cancer Registry (MCR). The MCR is the state's official source for cancer statistics. The MCR collects all new cases of reportable cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

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

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

Other = Asian or Pacific Islander, American Indian, Alaskan Native

**Percentages for cancer staging may not total 100% due to rounding

Frederick County



2017 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

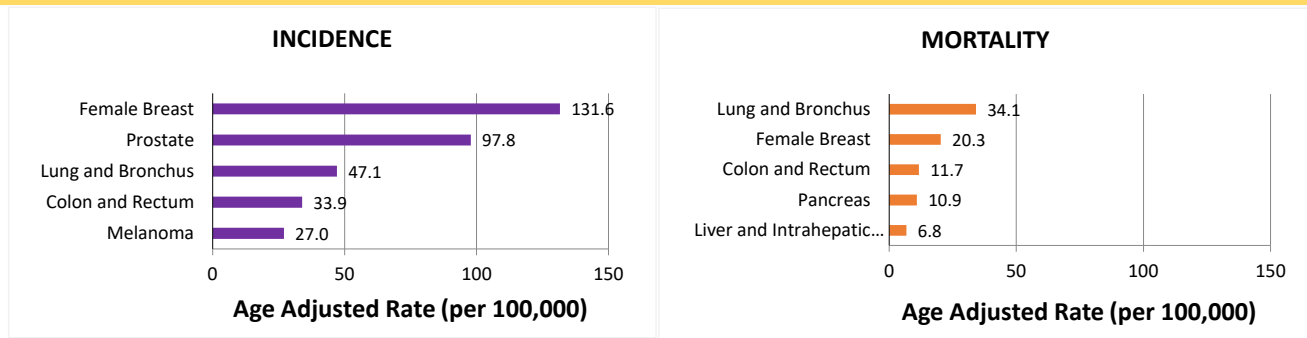
According to the Maryland Cancer Registry, a total of 32,258 Maryland residents were diagnosed with cancer in 2017. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2017, the number of incidence and mortality cases in Frederick County were:

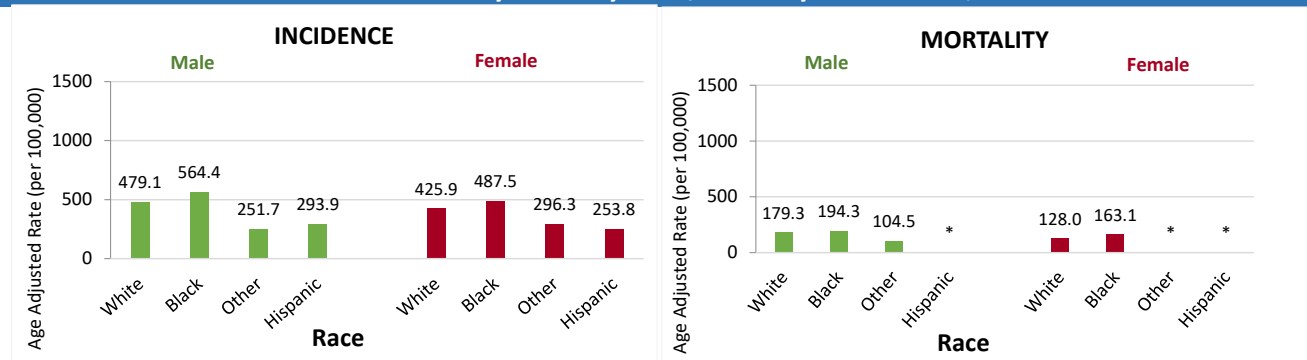
Incidence: 1,235 new cases of all cancer cases

Mortality: 400 deaths from cancer

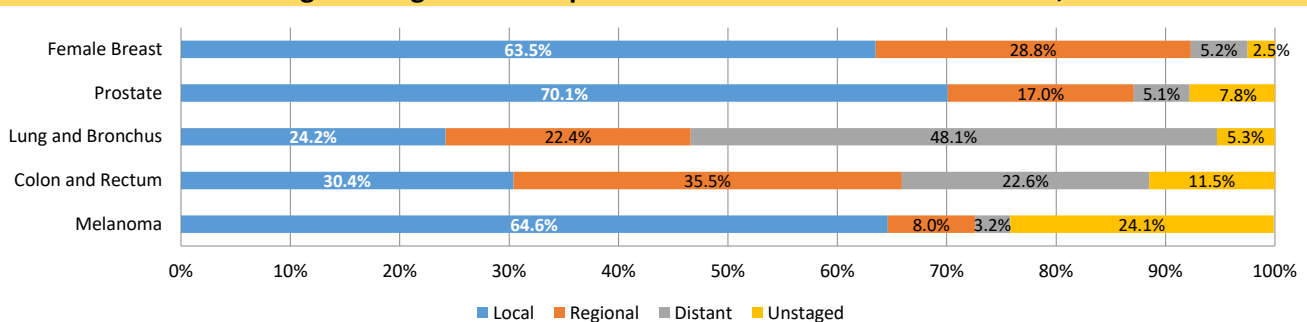
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2013-2017



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2013-2017



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2013-2017**



Prepared by the Maryland Cancer Registry (MCR). The MCR is the state's official source for cancer statistics. The MCR collects all new cases of reportable cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

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

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

Other = Asian or Pacific Islander, American Indian, Alaskan Native

**Percentages for cancer staging may not total 100% due to rounding

Garrett County



2017 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

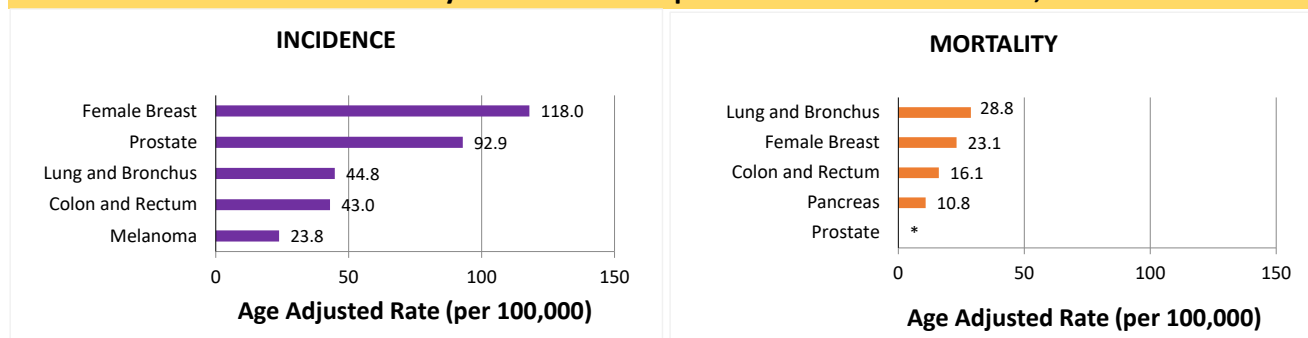
According to the Maryland Cancer Registry, a total of 32,258 Maryland residents were diagnosed with cancer in 2017. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2017, the number of incidence and mortality cases in Garrett County were:

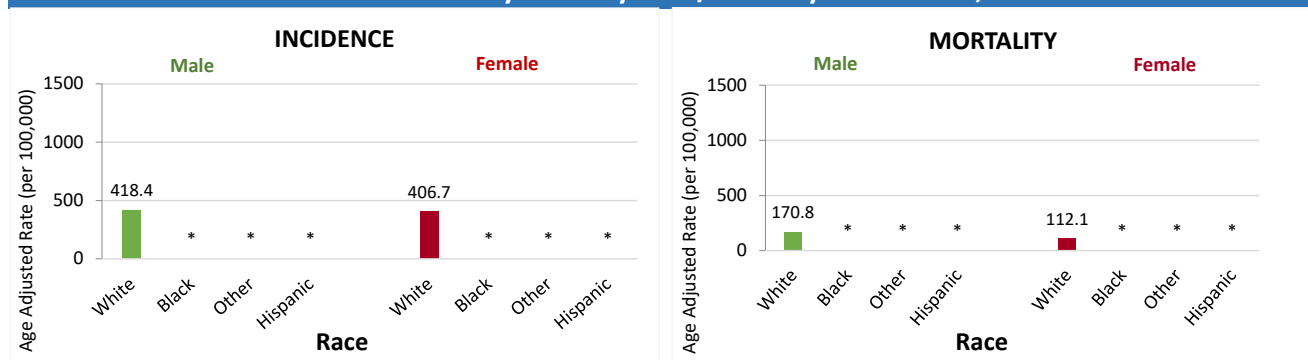
Incidence: 196 new cases of all cancer cases

Mortality: 63 deaths from cancer

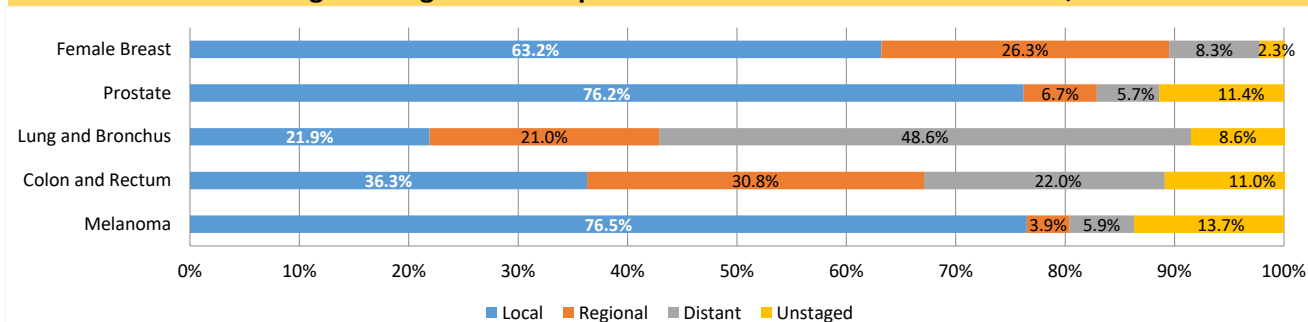
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2013-2017



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2013-2017



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2013-2017**



Prepared by the Maryland Cancer Registry (MCR). The MCR is the state's official source for cancer statistics. The MCR collects all new cases of reportable cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

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

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

Other = Asian or Pacific Islander, American Indian, Alaskan Native

**Percentages for cancer staging may not total 100% due to rounding

Harford County



2017 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

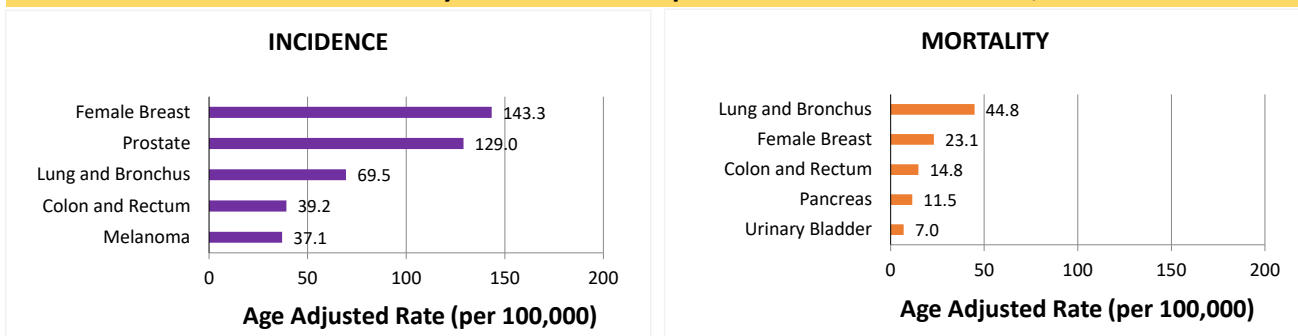
According to the Maryland Cancer Registry, a total of 32,258 Maryland residents were diagnosed with cancer in 2017. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2017, the number of incidence and mortality cases in Harford County were:

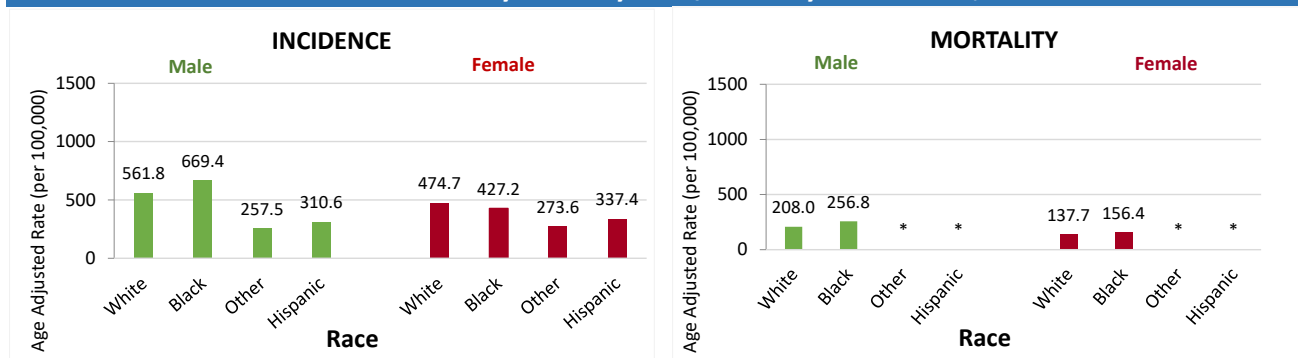
Incidence: 1,643 new cases of all cancer cases

Mortality: 484 deaths from cancer

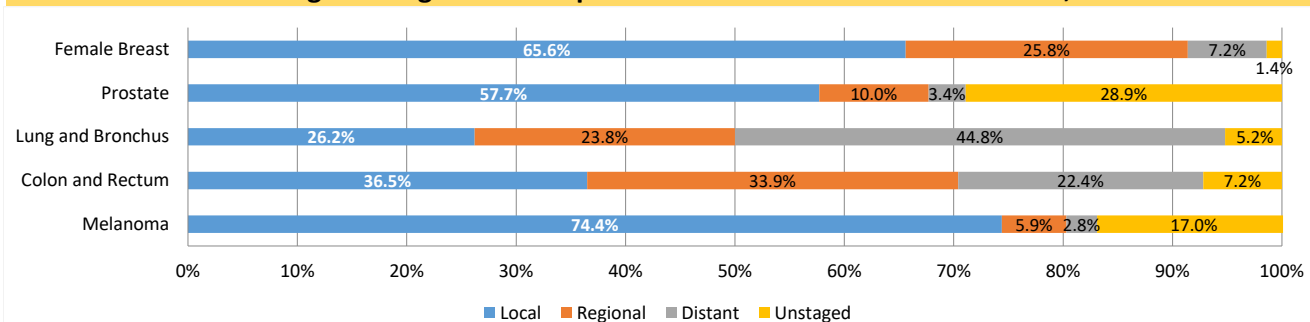
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2013-2017



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2013-2017



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2013-2017**



Prepared by the Maryland Cancer Registry (MCR). The MCR is the state's official source for cancer statistics. The MCR collects all new cases of reportable cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

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

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

Other = Asian or Pacific Islander, American Indian, Alaskan Native

**Percentages for cancer staging may not total 100% due to rounding



2017 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

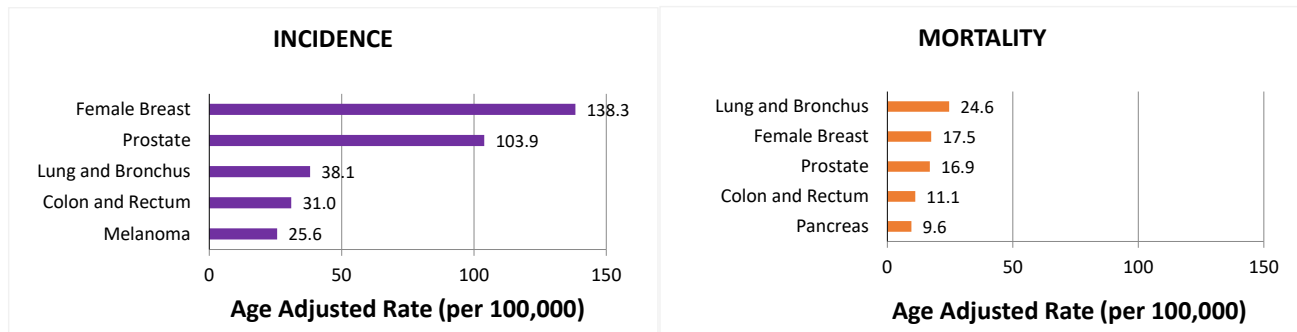
According to the Maryland Cancer Registry, a total of 32,258 Maryland residents were diagnosed with cancer in 2017. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2017, the number of incidence and mortality cases in Howard County were:

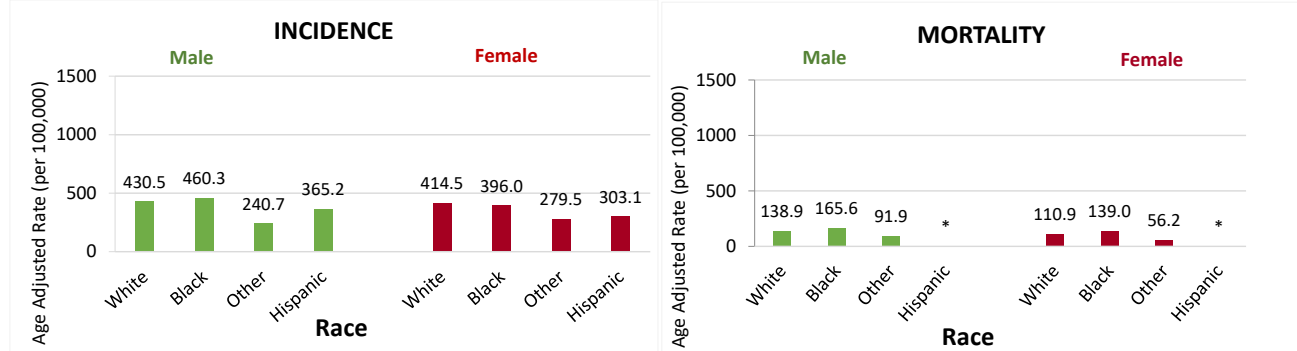
Incidence: 1,468 new cases of all cancer cases

Mortality: 400 deaths from cancer

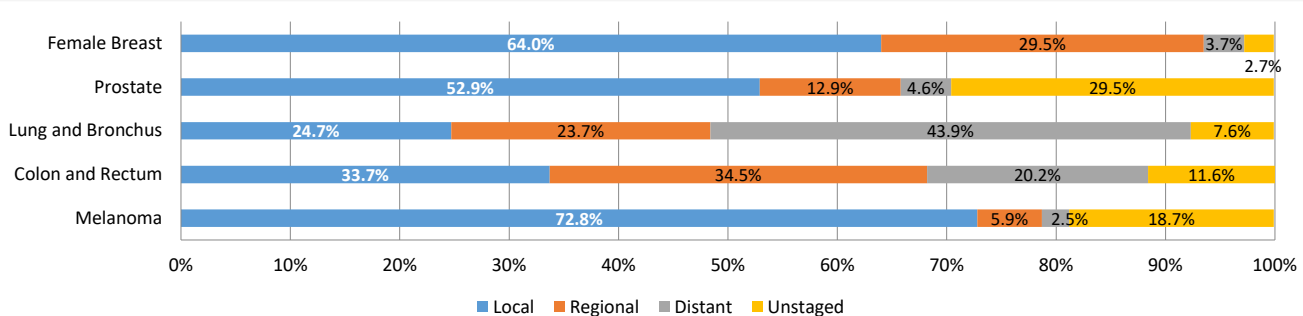
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2013-2017



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2013-2017



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2013-2017**



Prepared by the Maryland Cancer Registry (MCR). The MCR is the state's official source for cancer statistics. The MCR collects all new cases of reportable cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

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

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

Other = Asian or Pacific Islander, American Indian, Alaskan Native

**Percentages for cancer staging may not total 100% due to rounding

2017 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

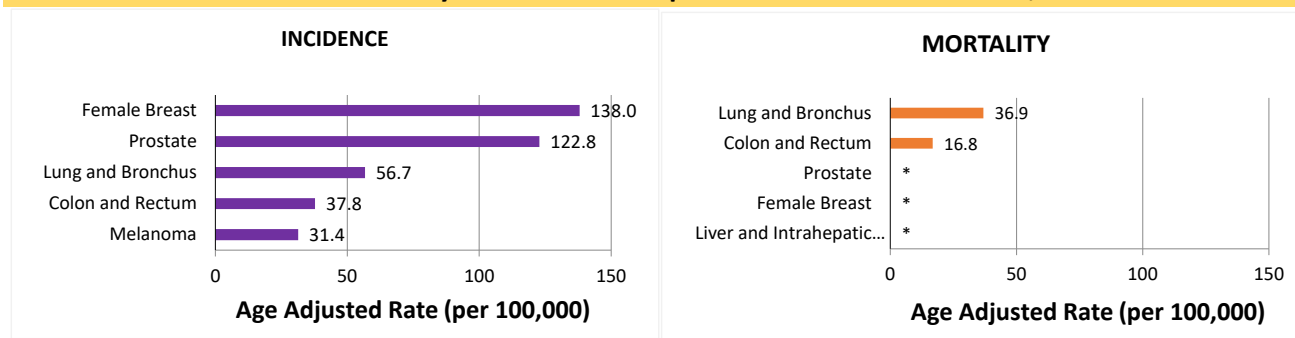
According to the Maryland Cancer Registry, a total of 32,258 Maryland residents were diagnosed with cancer in 2017. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2017, the number of incidence and mortality cases in Kent County were:

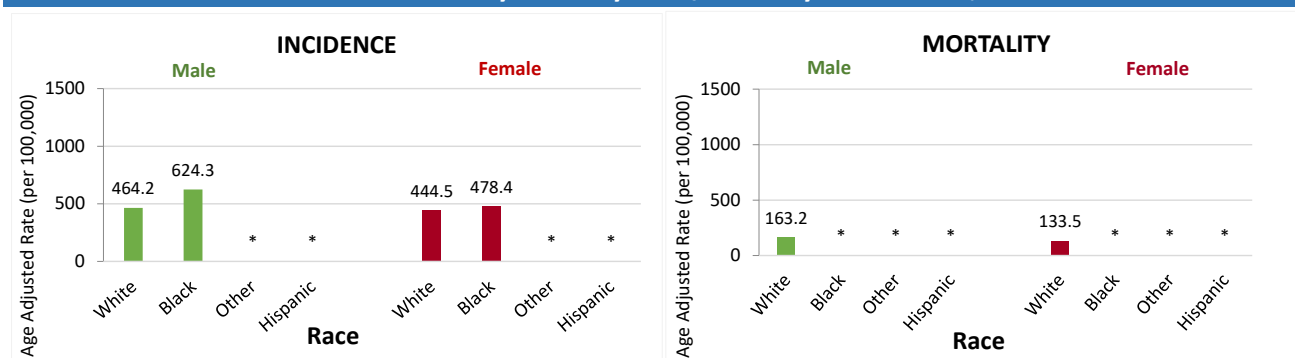
Incidence: 141 new cases of all cancer cases

Mortality: 56 deaths from cancer

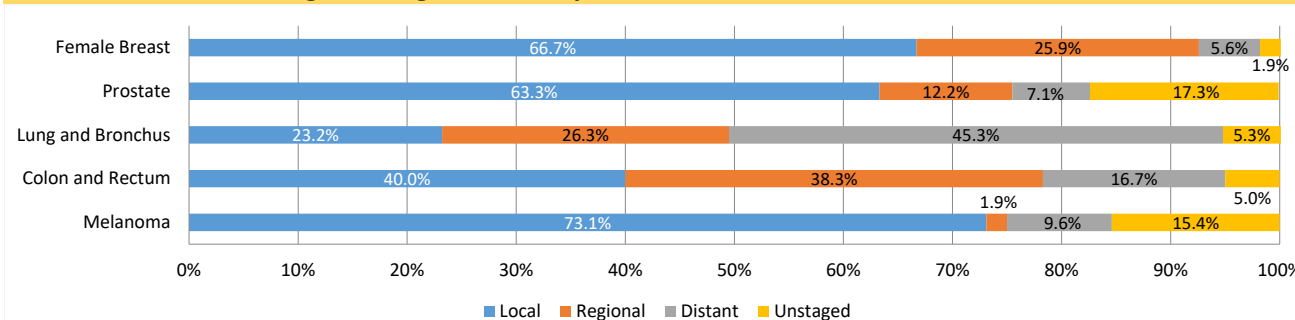
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2013-2017



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2013-2017



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2013-2017**



Prepared by the Maryland Cancer Registry (MCR). The MCR is the state's official source for cancer statistics. The MCR collects all new cases of reportable cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

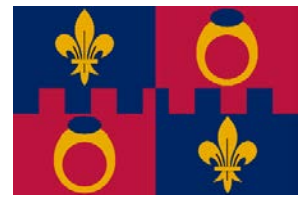
Incidence Rates based on death counts of 1-15 are suppressed per MDH / MCR Data Use Policy and Procedures

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

Other = Asian or Pacific Islander, American Indian, Alaskan Native

**Percentages for cancer staging may not total 100% due to rounding

Montgomery County



2017 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

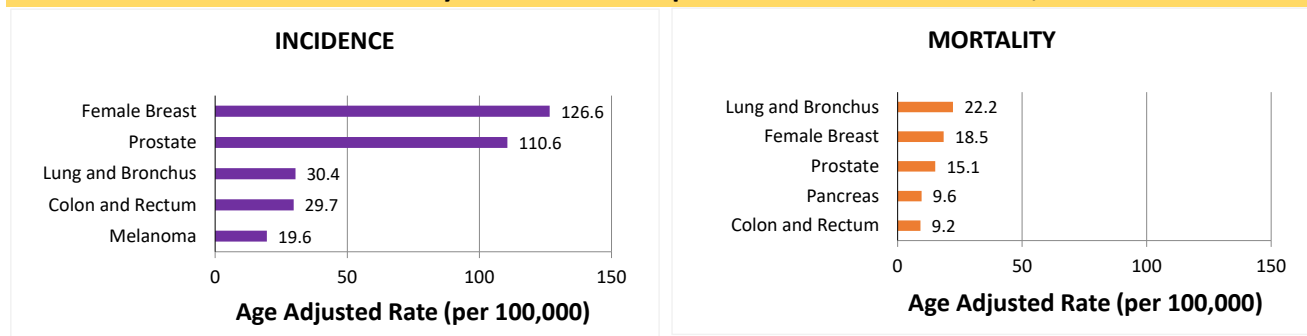
According to the Maryland Cancer Registry, a total of 32,258 Maryland residents were diagnosed with cancer in 2017. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2017, the number of incidence and mortality cases in Montgomery County were:

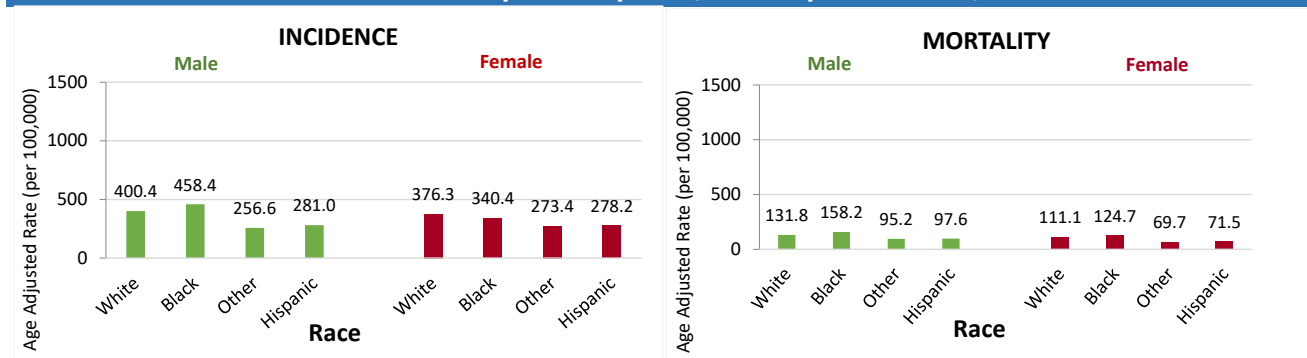
Incidence: 4,841 new cases of all cancer cases

Mortality: 1,465 deaths from cancer

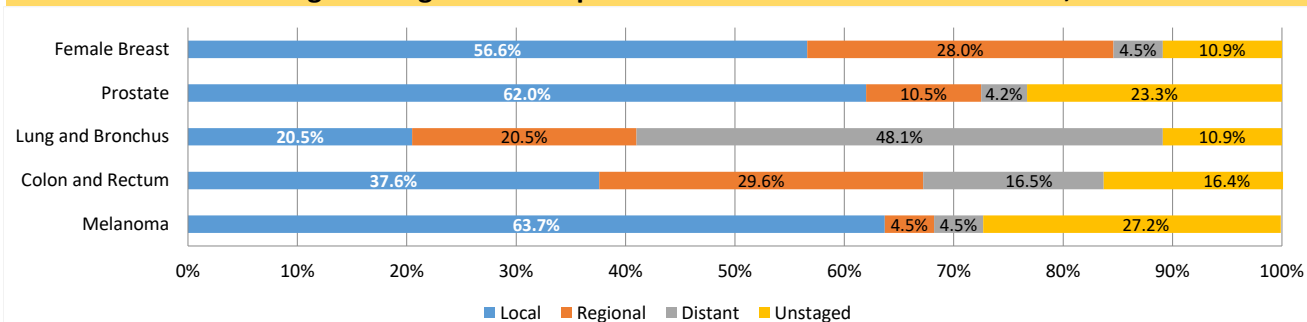
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2013-2017



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2013-2017



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2013-2017**



Prepared by the Maryland Cancer Registry (MCR). The MCR is the state's official source for cancer statistics. The MCR collects all new cases of reportable cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

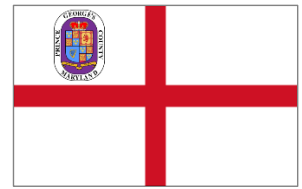
Incidence Rates based on death counts of 1-15 are suppressed per MDH / MCR Data Use Policy and Procedures

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

Other = Asian or Pacific Islander, American Indian, Alaskan Native

**Percentages for cancer staging may not total 100% due to rounding

Prince George's County



2017 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

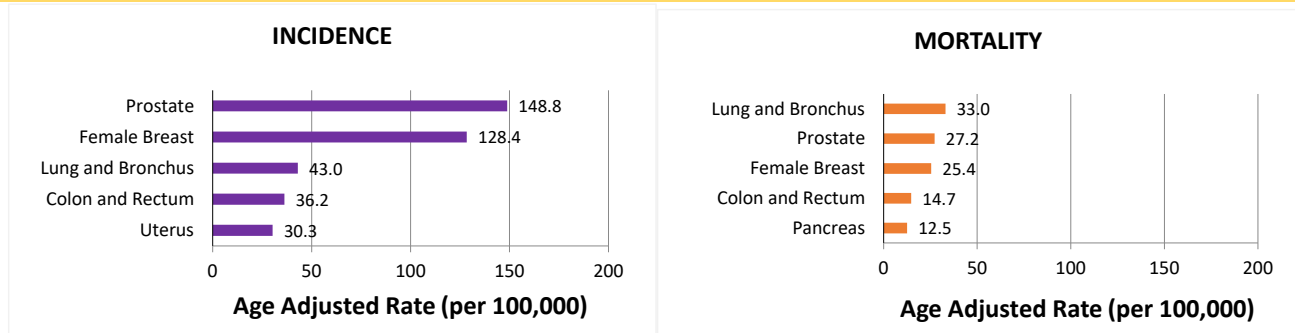
According to the Maryland Cancer Registry, a total of 32,258 Maryland residents were diagnosed with cancer in 2017. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2017, the number of incidence and mortality cases in Prince George's County were:

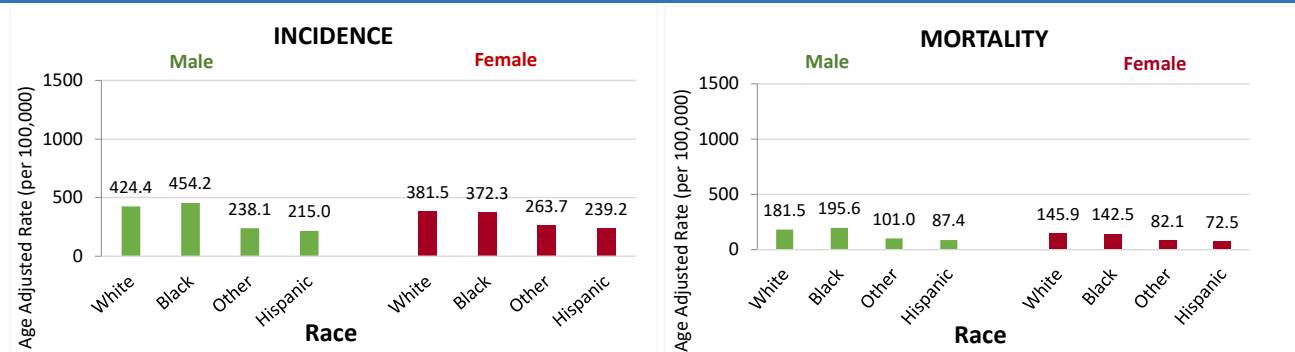
Incidence: 4,048 new cases of all cancer cases

Mortality: 1,460 deaths from cancer

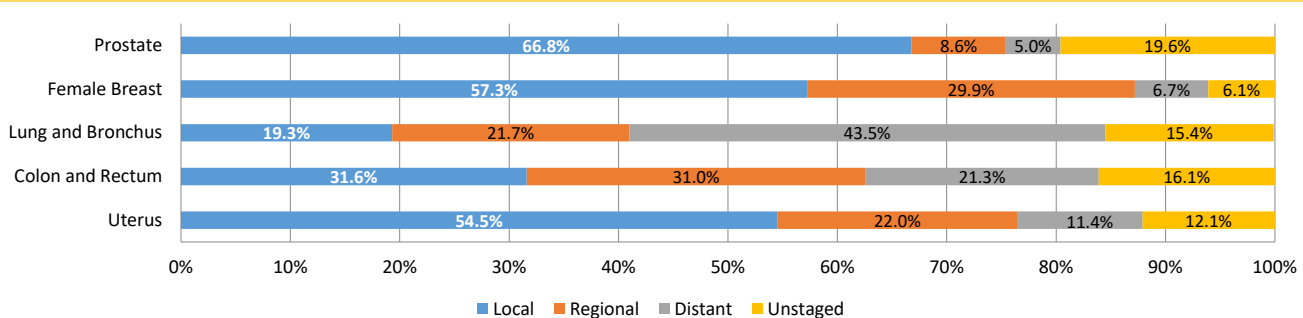
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2013-2017



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2013-2017



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2013-2017**



Prepared by the Maryland Cancer Registry (MCR). The MCR is the state's official source for cancer statistics. The MCR collects all new cases of reportable cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

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

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

Other = Asian or Pacific Islander, American Indian, Alaskan Native

**Percentages for cancer staging may not total 100% due to rounding

Queen Anne's County



2017 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

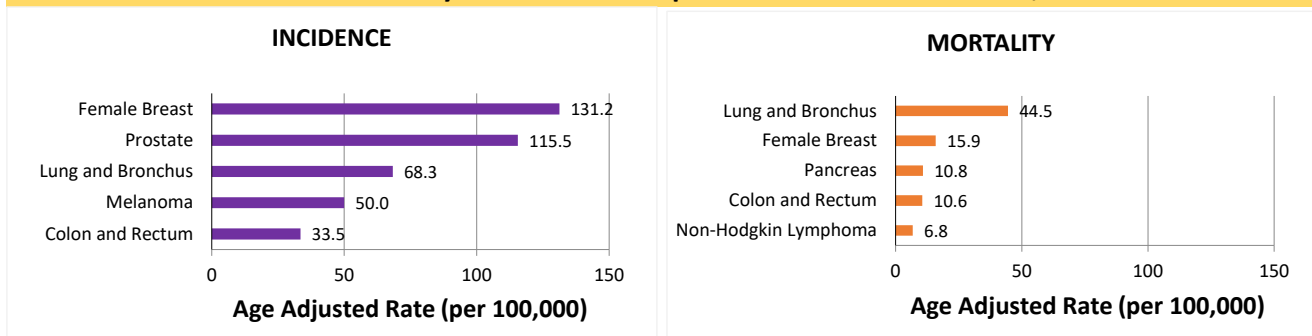
According to the Maryland Cancer Registry, a total of 32,258 Maryland residents were diagnosed with cancer in 2017. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2017, the number of incidence and mortality cases in Queen Anne's County were:

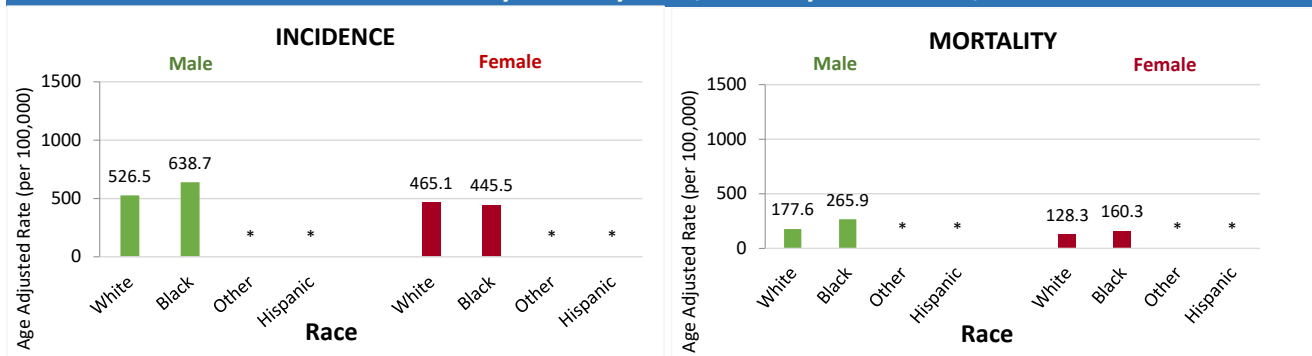
Incidence: 336 new cases of all cancer cases

Mortality: 102 deaths from cancer

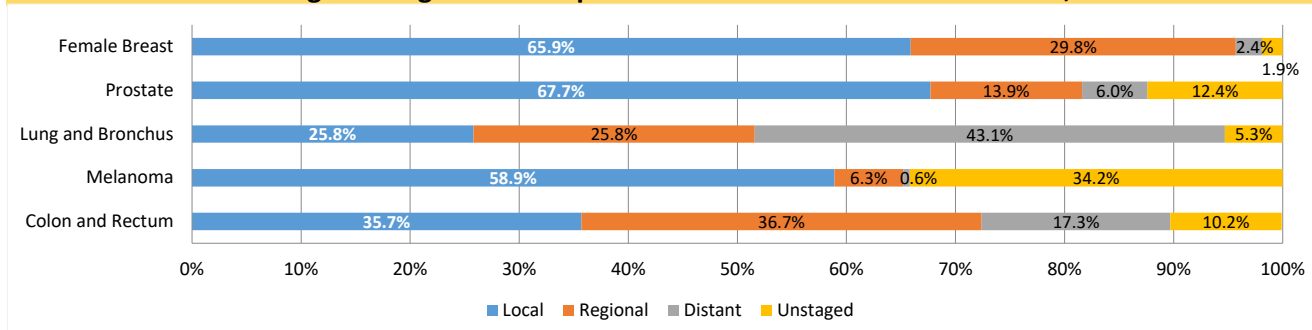
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2013-2017



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2013-2017



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2013-2017**



Prepared by the Maryland Cancer Registry (MCR). The MCR is the state's official source for cancer statistics. The MCR collects all new cases of reportable cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

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

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

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**Percentages for cancer staging may not total 100% due to rounding

St. Mary's County



2017 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

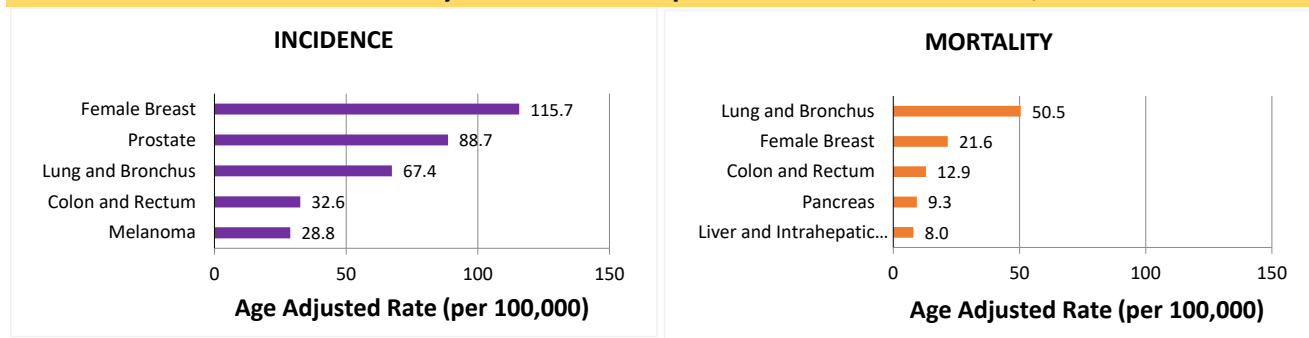
According to the Maryland Cancer Registry, a total of 32,258 Maryland residents were diagnosed with cancer in 2017. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2017, the number of incidence and mortality cases in St. Mary's County were:

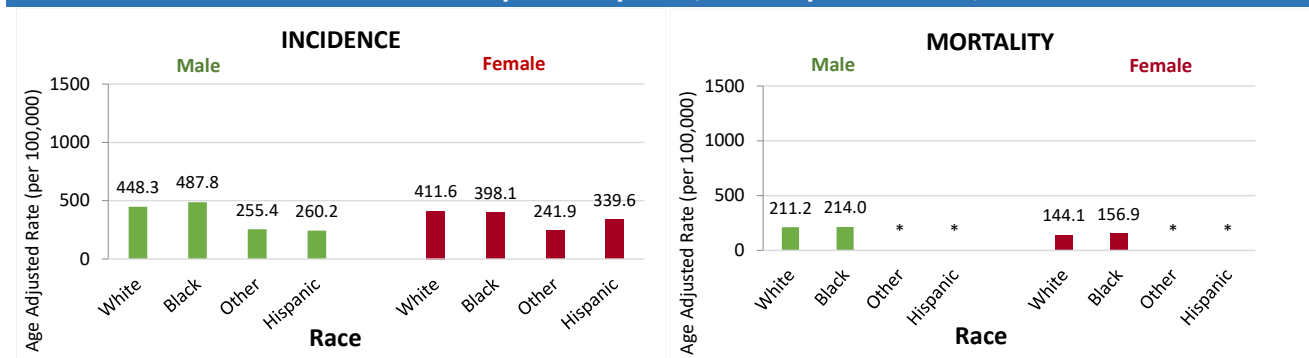
Incidence: 563 new cases of all cancer cases

Mortality: 194 deaths from cancer

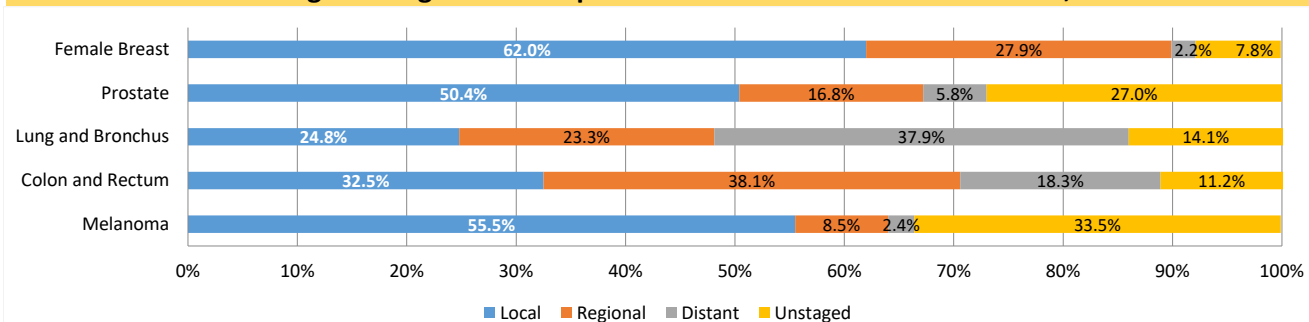
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2013-2017



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2013-2017



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2013-2017**



Prepared by the Maryland Cancer Registry (MCR). The MCR is the state's official source for cancer statistics. The MCR collects all new cases of reportable cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

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

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

Other = Asian or Pacific Islander, American Indian, Alaskan Native

**Percentages for cancer staging may not total 100% due to rounding



2017 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

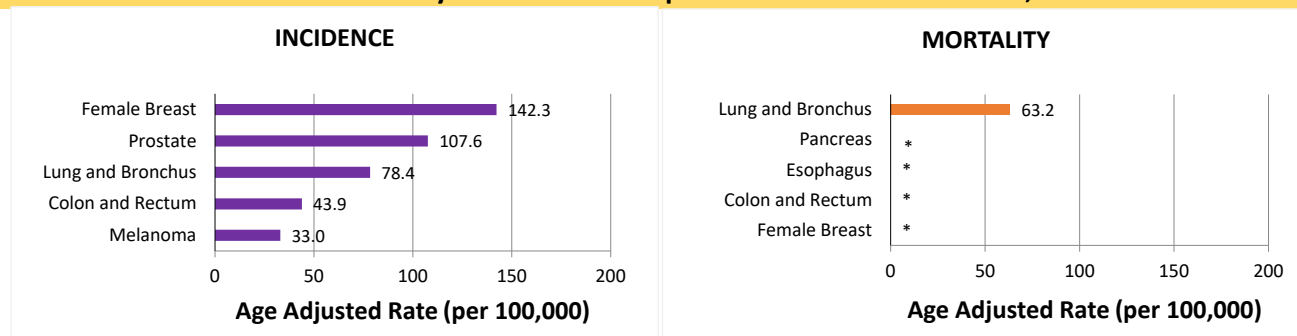
According to the Maryland Cancer Registry, a total of 32,258 Maryland residents were diagnosed with cancer in 2017. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2017, the number of incidence and mortality cases in Somerset County were:

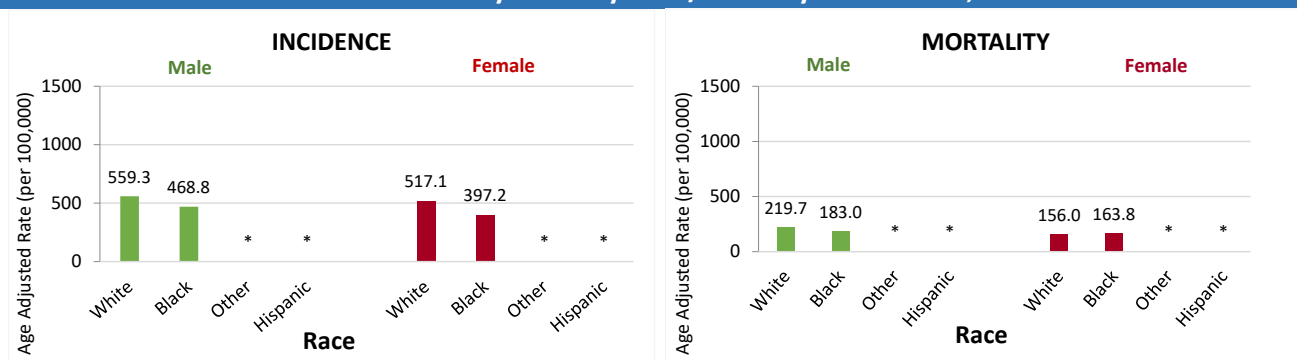
Incidence: 162 new cases of all cancer cases

Mortality: 60 deaths from cancer

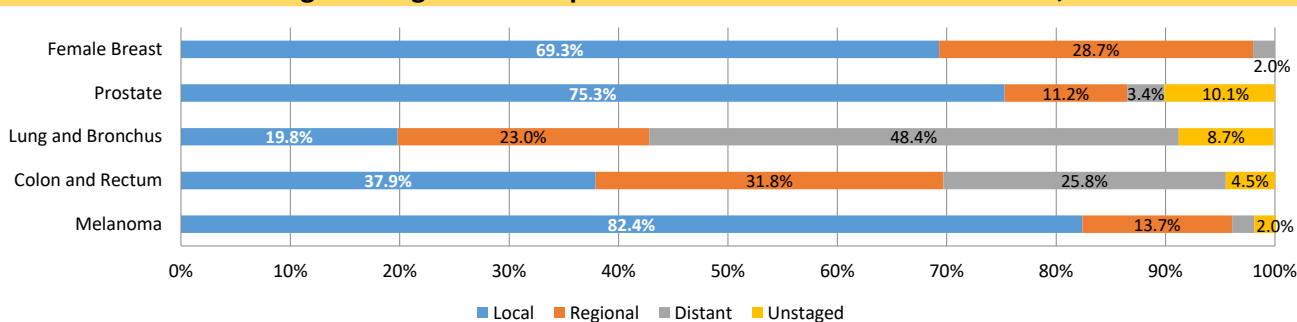
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2013-2017



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2013-2017



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2013-2017**



Prepared by the Maryland Cancer Registry (MCR). The MCR is the state's official source for cancer statistics. The MCR collects all new cases of reportable cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

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

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

Other = Asian or Pacific Islander, American Indian, Alaskan Native

**Percentages for cancer staging may not total 100% due to rounding

Talbot County



2017 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

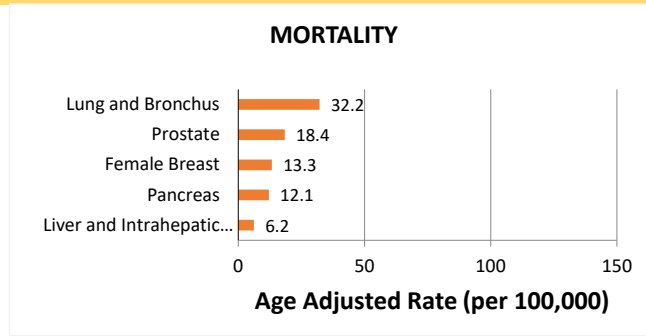
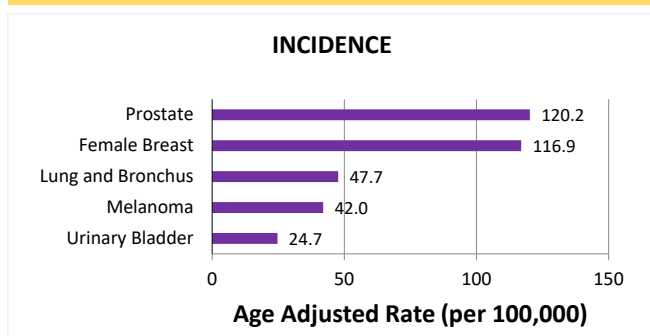
According to the Maryland Cancer Registry, a total of 32,258 Maryland residents were diagnosed with cancer in 2017. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2017, the number of incidence and mortality cases in Talbot County were:

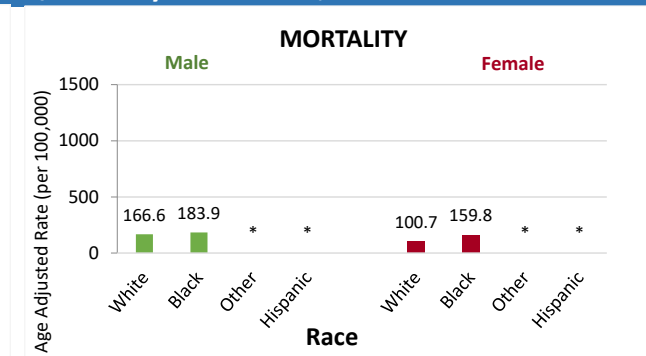
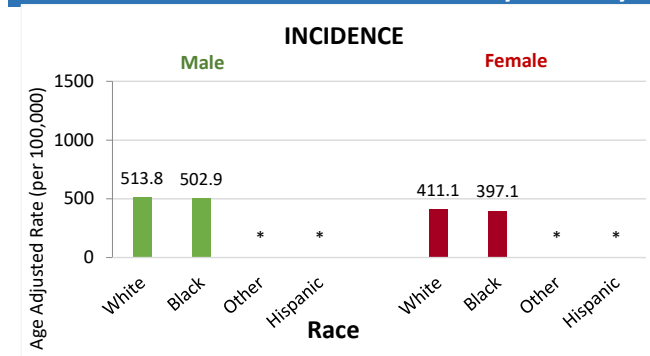
Incidence: 318 new cases of all cancer cases

Mortality: 102 deaths from cancer

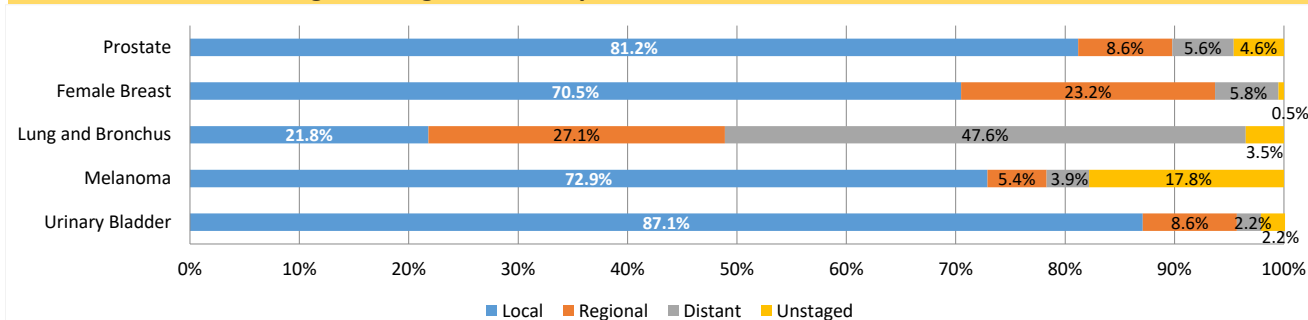
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2013-2017



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2013-2017



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2013-2017**



Prepared by the Maryland Cancer Registry (MCR). The MCR is the state's official source for cancer statistics. The MCR collects all new cases of reportable cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

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

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

Other = Asian or Pacific Islander, American Indian, Alaskan Native

**Percentages for cancer staging may not total 100% due to rounding

Washington County



2017 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

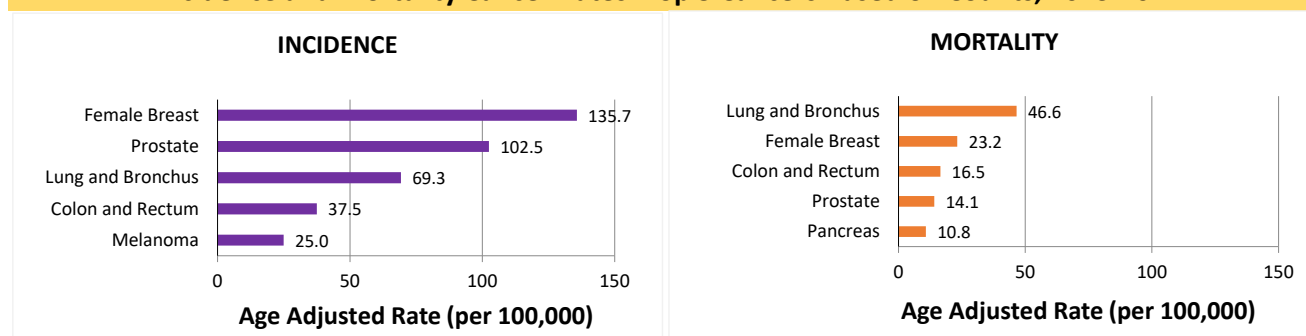
According to the Maryland Cancer Registry, a total of 32,258 Maryland residents were diagnosed with cancer in 2017. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2017, the number of incidence and mortality cases in Washington County were:

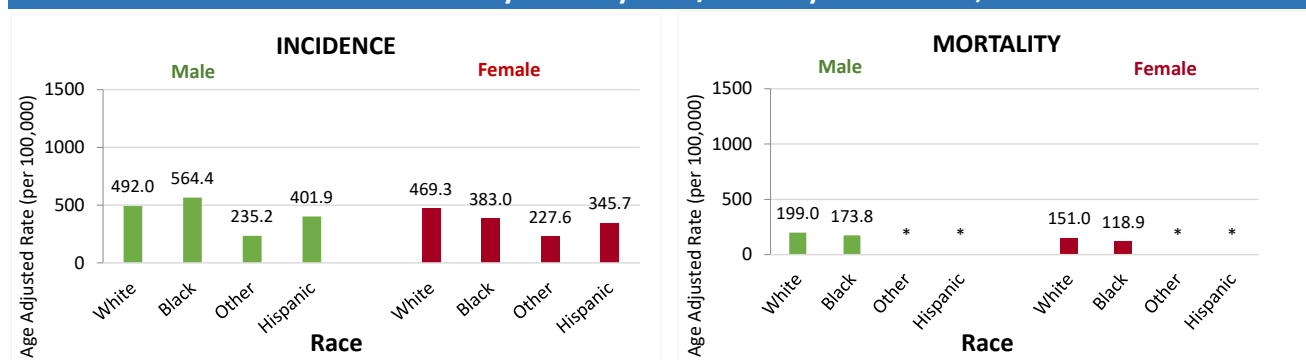
Incidence: 938 new cases of all cancer cases

Mortality: 315 deaths from cancer

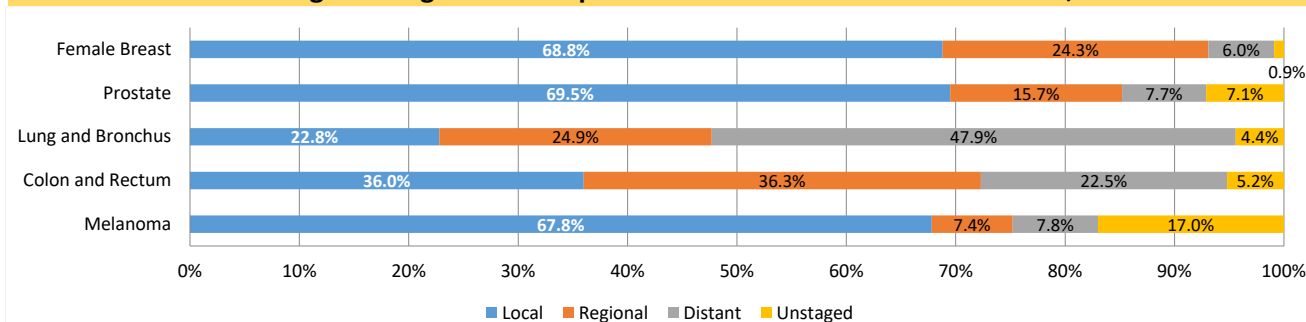
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2013-2017



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2013-2017



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2013-2017**



Prepared by the Maryland Cancer Registry (MCR). The MCR is the state's official source for cancer statistics. The MCR collects all new cases of reportable cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

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

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

Other = Asian or Pacific Islander, American Indian, Alaskan Native

**Percentages for cancer staging may not total 100% due to rounding

Wicomico County



2017 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

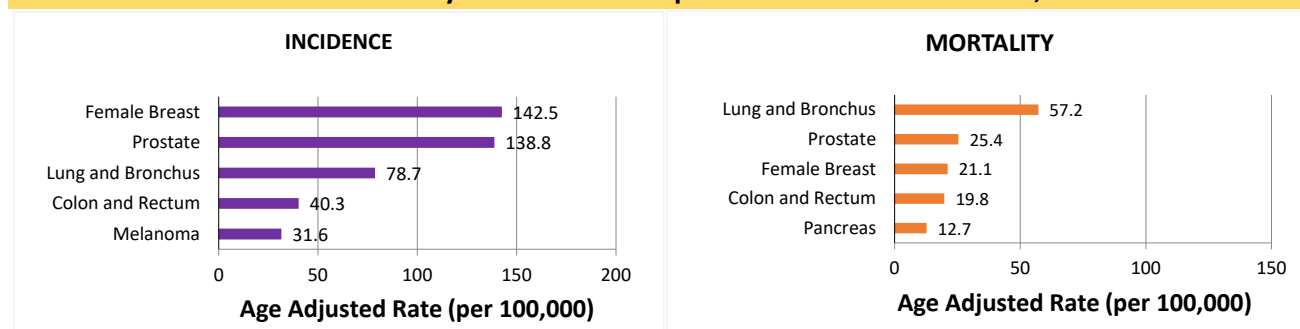
According to the Maryland Cancer Registry, a total of 32,258 Maryland residents were diagnosed with cancer in 2017. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2017, the number of incidence and mortality cases in Wicomico County were:

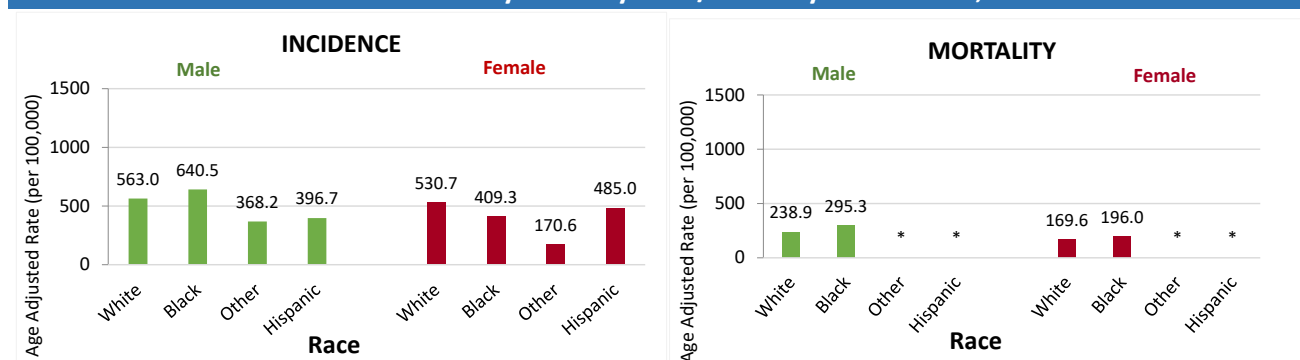
Incidence: 657 new cases of all cancer cases

Mortality: 245 deaths from cancer

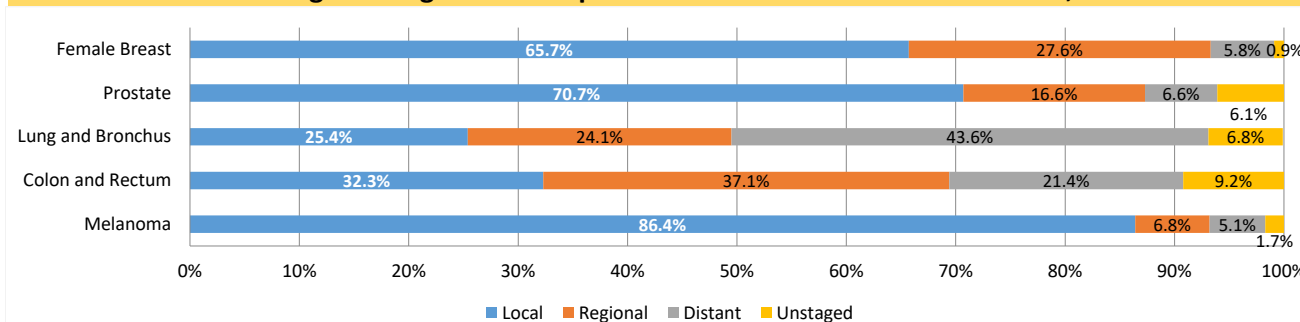
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2013-2017



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2013-2017



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2013-2017**



Prepared by the Maryland Cancer Registry (MCR). The MCR is the state's official source for cancer statistics. The MCR collects all new cases of reportable cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

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

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

Other = Asian or Pacific Islander, American Indian, Alaskan Native

**Percentages for cancer staging may not total 100% due to rounding

Worcester County



2017 MARYLAND INCIDENCE AND MORTALITY CANCER FACT SHEET

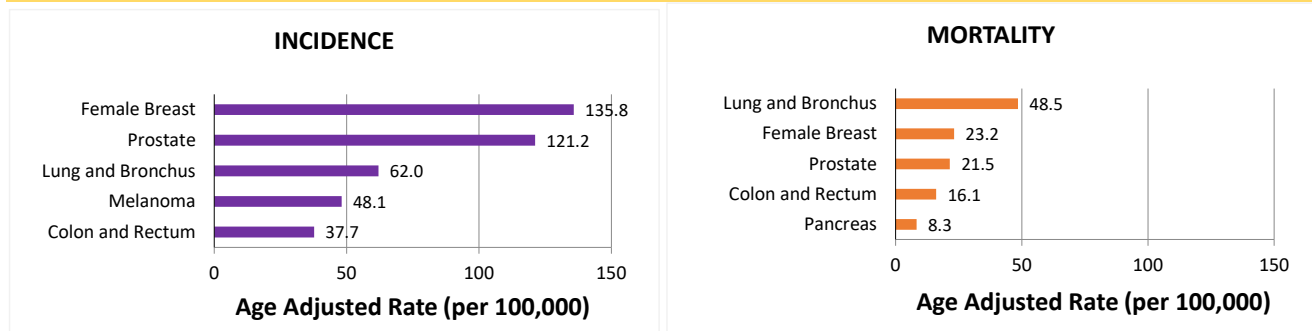
According to the Maryland Cancer Registry, a total of 32,258 Maryland residents were diagnosed with cancer in 2017. Cancer remains the second leading cause of death among people in Maryland, exceeded only by heart disease.

In 2017, the number of incidence and mortality cases in Worcester County were:

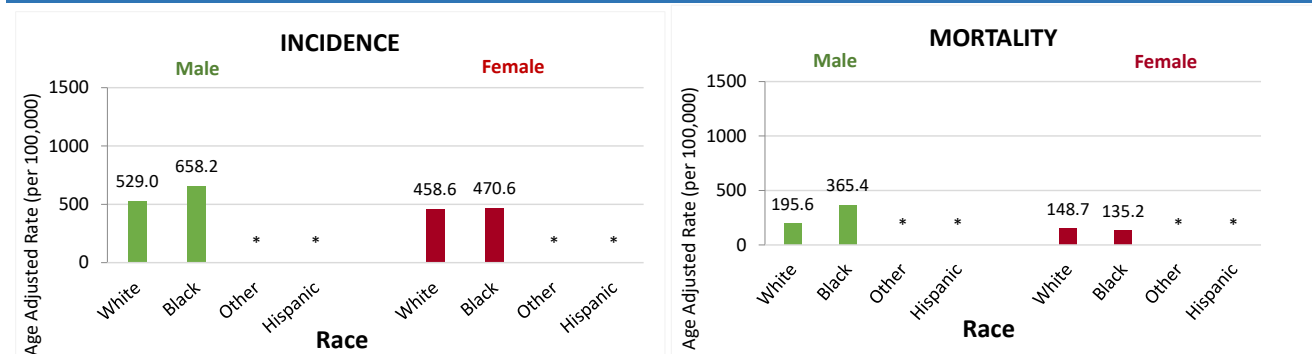
Incidence: 454 new cases of all cancer cases

Mortality: 152 deaths from cancer

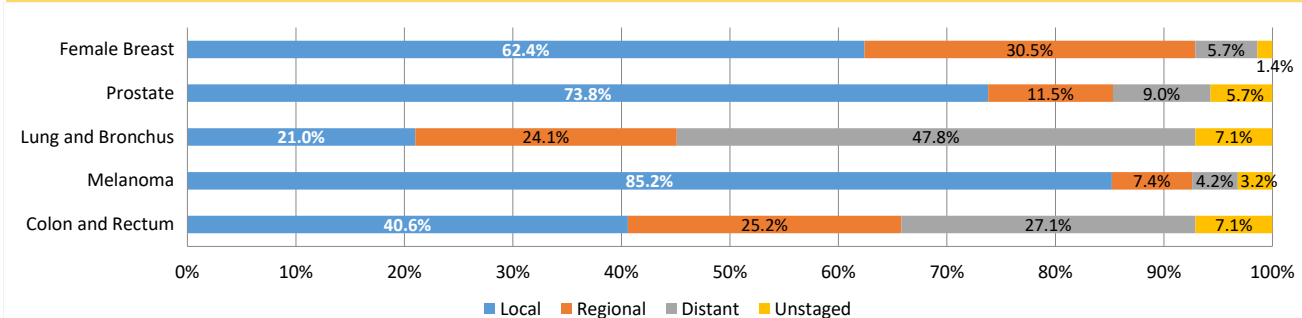
Incidence and Mortality Cancer Rates: Top 5 Cancers Based on Counts, 2013-2017



Incidence and Mortality Rates by Race/Ethnicity and Gender, 2013-2017



Distribution of Stage at Diagnosis for Top 5 Cancers Based on Incidence Counts, 2013-2017**



Prepared by the Maryland Cancer Registry (MCR). The MCR is the state's official source for cancer statistics. The MCR collects all new cases of reportable cancer diagnosed and/or treated in Maryland.

* Suppressed rates:

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

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

Other = Asian or Pacific Islander, American Indian, Alaskan Native

**Percentages for cancer staging may not total 100% due to rounding

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APPENDIX A

2000 U.S. STANDARD POPULATION

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2000 U.S. STANDARD POPULATION

(CENSUS P25-1130)

Age Group	2000 Population
Less than 01 year	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	44,259,17
Total	274,633,642

Source: National Cancer Institute- SEER 2000

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APPENDIX B

GLOSSARY

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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 structure 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 web sites:

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

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

- **Ascertainment:** Refers to the quality assurance procedures that Maryland Cancer Registry staff use to ensure completeness of cancer cases in the Registry database. These activities include: a review of disease indices from all reporting hospitals to identify possible missed cases; an evaluation of random samples of records from reporting facilities; and a review of death certificate data to identify cancer cases not previously reported.
- **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):** The range of values for a calculated estimate that will include the true value a given percentage of the time. A 95% CI for a rate includes the true rate 95% of the time.
- **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 2017. Cancer incidence data are also presented in aggregated form, as the average annual incidence for the 5-year period from 2013 through 2017.
- **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 2017. Cancer mortality data are also presented in an aggregated form, as the average annual mortality for the 5-year period from 2013 through 2017.
- **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.
- **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 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 could not be classified (often due to insufficient information) or was not reported to the cancer registry.

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