

Section 6

Cancer



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Cancer

Background

The term cancer covers many diseases that share the common feature of abnormal cell growth. It can occur in almost any part of the body. Early detection through routine health and cancer screenings and timely quality treatment and care may improve prognosis and survival. Each type of cancer develops differently and has different risk factors. For example, the main risk factor for lung cancer is cigarette smoking, but for skin cancer it is sun exposure. The causes of some common cancers, such as breast cancer, remain unknown; however, age is the number one risk factor for all cancer types.

2018 Key Points

- **132,408** Primary cancers diagnosed in Florida in 2018
- Cancer rate per 100,000 population increased from 432.2 to **452.5** from 2009–2018
- **62%** of newly diagnosed cancers in 2018 in Florida were in adults ≥ 65 years old

Reporting and Surveillance

Section 385.202, Florida Statutes requires all hospitals and outpatient facilities licensed in Florida to report to the Florida Department of Health each patient diagnosed or treated for cancer. Cancer incidence data are collected, verified and maintained by the Florida Cancer Data System (FCDS), Florida's statewide cancer registry. The FCDS is administered by the Florida Department of Health's Public Health Research Section and operated by the Sylvester Comprehensive Cancer Center at the University of Miami Leonard M. Miller School of Medicine. The FCDS is used by the state and its partners to monitor the occurrence of cancer incidence, aid in research studies to reduce cancer morbidity and mortality, focus cancer control activities and address public questions and concerns regarding cancer.

The FCDS now collects incidence data from hospitals, freestanding ambulatory surgical centers, radiation therapy facilities, pathology laboratories and private physician offices. Each facility, laboratory and practitioner is required to report to the FCDS within six months of each diagnosis and within six months of the date of each treatment. Consequently, there is an inherent time lag of 1–2 years in the release of cancer registry data for surveillance activities and publications. At the time this report was published, the most recent FCDS data available were from 2018.

General Trends for 2018

During 2018, physicians diagnosed 132,408 primary cancers (i.e., the site or organ where the cancer starts) among Floridians, an average of 362 new diagnoses per day. The overall rate of occurrence for all cancers combined in the state has increased from 407.8 new diagnoses per 100,000 in 1981 to 452.5 new diagnoses per 100,000 in 2018. However, this has not been a steady increase as cancer patterns vary year to year. Cancer occurs predominantly among older people as age is the top risk factor. Among the newly diagnosed cancers in 2018, 62% occurred in people ≥ 65 years old; this age group accounted for 20% of Florida's 2018 population.

The most common cancers in Floridians were lung and bronchus (13.2%), female breast (13.5%), prostate (9.9%) and colorectal (7.7%). These accounted for 49.5% of all new cases in blacks and 44% of all new cases in whites.

Collectively, the number of new cancer cases and deaths that occurred in Miami-Dade, Broward, Palm Beach, Hillsborough and Pinellas counties accounted for approximately 36.4% of new cancer diagnoses and 35.8% of cancer deaths in Florida during 2018.

Characteristic	All cancer diagnoses	All cancer deaths
Florida	132,408	44,649
Sex		
Female	65,516	20,596
Male	66,855	24,053
Race		
Black	13,379	4,830
White	111,960	38,574
Sex and race		
Black female	7,033	2,374
White female	54,897	17,690
Black male	6,342	2,456
White male	57,035	21,064

New cancer diagnoses and deaths in Florida in 2018

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For all cancers combined, the Florida age-adjusted rate of occurrence for new cancer cases was 452.5 per 100,000 population and 143.8 per 100,000 population for cancer-related deaths.

Cancer remains the second leading cause of death in Florida with over 44,000 cancer deaths occurring in 2018. In years of potential life lost up to age 75, cancer ranks first, surpassing heart disease and stroke combined and unintentional injuries.

Characteristic	Diagnoses	Deaths
Cervix	998	343
Ovary	1,580	1,007
Non-Hodgkin's lymphoma	6,485	1,520
Head and neck	5,070	1,133
Bladder	5,601	1,374
Melanoma	6,937	632
Colorectal	10,194	3,901
Prostate	13,072	2,411
Female breast	17,923	2,904
Lung and bronchus	17,532	11,054
Total	85,392	26,279

Cancer Appendix – 2018 Data

Age-adjusted incidence and mortality rates in Florida in 2018

Cancer types	Age-adjusted incidence rate	Age-adjusted mortality rate
All cancers	452.5	143.8
Female breast	122.1	18.1
Prostate	88.5	16.9
Lung and bronchus	55.6	34.8
Colorectal	34.9	12.8
Melanoma	28.8	2.4
Bladder	17.7	4.3
Head and neck	17.6	4.0
Non-Hodgkin's lymphoma	21.3	5.0
Ovary	10.9	6.2
Cervix	11.4	2.8

Number of new cancer diagnoses by sex and race in Florida in 2018

Characteristic	All cancers	Lung and bronchus	Female breast	Prostate	Colorectal	Melanoma	Bladder	Head and neck	Non-Hodgkin's lymphoma	Ovary	Cervix
Florida	132,408	17,532	17,923	13,072	10,194	6,937	5,601	5,070	6,485	1,580	998
Sex											
Female	65,516	8,414	17,923	NA	4,783	2,573	1,330	1,277	3,027	1,580	998
Male	66,855	9,118	NA	13,072	5,408	4,364	4,269	3,790	3,454	NA	NA
Race											
Black	13,379	1,341	2,040	2,014	1,224	-	266	381	529	137	209
White	111,960	15,620	14,900	10,269	8,501	6,937	5,090	4,477	5,530	1,332	731
Sex and race											
Black female	7,033	555	2,040	NA	606	-	99	112	262	137	209
White female	54,897	7,632	14,900	NA	3,948	2,573	1,181	1,115	2,564	1,332	731
Black male	6,342	786	NA	2,014	618	-	167	269	264	NA	NA
White male	57,035	7,988	NA	10,269	4,550	4,364	3,908	3,359	2,965	NA	NA

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Number of new cancer diagnoses by sex and race in Florida in 2018

Characteristic	All cancers	Lung and bronchus	Female breast	Prostate	Colorectal	Melanoma	Bladder	Head and neck	Non-Hodgkin's lymphoma	Ovary	Cervix
Florida	132,408	17,532	17,923	13,072	10,194	6,937	5,601	5,070	6,485	1,580	998
Sex											
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White female	54,897	7,632	14,900	NA	3,948	2,573	1,181	1,115	2,564	1,332	731
Black male	6,342	786	NA	2,014	618	-	167	269	264	NA	NA
White male	57,035	7,988	NA	10,269	4,550	4,364	3,908	3,359	2,965	NA	NA

Number of new cancer deaths by sex and race in Florida in 2018

Characteristic	All cancers	Lung and bronchus	Female breast	Prostate	Colorectal	Melanoma	Bladder	Head and neck	Non-Hodgkin's lymphoma	Ovary	Cervix
Florida	44,649	11,054	2,904	2,411	3,901	632	1,374	1,133	1,520	1,007	343
Sex											
Female	20,596	4,996	2,904	NA	1,765	199	392	296	628	1,007	343
Male	24,053	6,058	NA	2,411	2,136	433	982	837	892	NA	NA
Race											
Black	4,830	910	406	411	502	-	80	121	149	101	78
White	38,754	9,935	2,400	1,950	3,318	632	1,270	985	1,333	867	252
Sex and race											
Black female	2,374	383	406	NA	236	-	39	30	67	101	78
White female	17,690	4,520	2,400	NA	1,493	199	347	259	541	867	252
Black male	2,456	527	NA	411	266	-	41	91	82	NA	NA
White male	21,064	5,415	NA	1,950	1,825	433	923	726	792	NA	NA

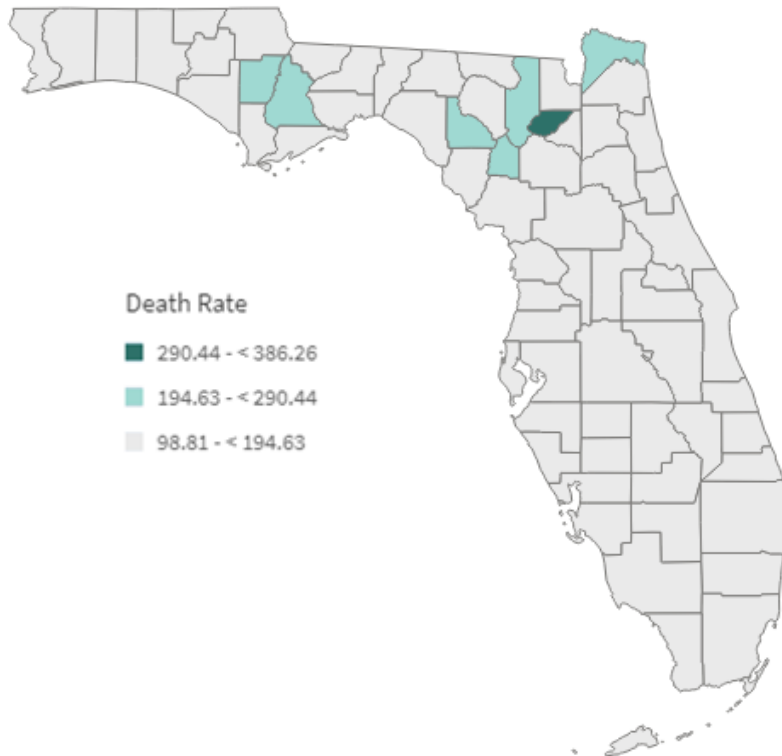
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Number of new cancer deaths by county in Florida in 2018

Characteristic	All cancers	Lung and bronchus	Female breast	Prostate	Colorectal	Melanoma	Bladder	Head and neck	Non-Hodgkin's lymphoma	Ovary	Cervix
Florida	44,649	11,054	2,904	2,411	3,901	632	1,374	1,133	1,520	1,007	343
Alachua	446	104	24	27	27	--	--	19	25	--	--
Baker	54	18	--	--	--	--	--	--	--	--	--
Bay	381	99	22	20	33	--	--	--	10	--	--
Bradford	67	22	--	--	--	--	--	--	--	--	--
Brevard	1,537	414	110	90	112	36	37	42	55	27	--
Broward	3,472	732	261	187	369	30	116	67	114	94	34
Calhoun	43	17	--	--	--	--	--	--	--	--	--
Charlotte	620	157	41	41	52	--	19	19	29	--	--
Citrus	558	178	33	22	48	11	14	15	16	12	--
Clay	428	123	18	12	27	10	22	11	11	--	--
Collier	778	160	49	41	71	16	21	--	33	21	--
Columbia	205	67	11	10	30	--	--	--	--	--	--
Desoto	107	37	--	--	--	--	--	--	--	--	--
Dixie	53	21	--	--	--	--	--	--	--	--	--
Duval	1,838	472	120	93	164	23	52	44	68	46	21
Escambia	662	206	31	32	48	--	22	15	20	18	--
Flagler	302	73	12	13	23	--	15	--	--	--	--
Franklin	31	11	--	--	--	--	--	--	--	--	--
Gadsden	114	25	--	--	--	--	--	--	--	--	--
Gilchrist	53	15	--	--	--	--	--	--	--	--	--
Glades	35	--	--	--	--	--	--	--	--	--	--
Gulf	35	--	--	--	--	--	--	--	--	--	--
Hamilton	35	--	--	--	--	--	--	--	--	--	--
Hardee	46	14	--	--	--	--	--	--	--	--	--
Hendry	72	19	--	--	--	--	--	--	--	--	--
Hernando	576	175	32	29	42	--	18	10	21	14	--
Highlands	350	99	23	17	26	--	13	12	11	--	--
Hillsborough	2,410	653	160	100	221	24	67	60	70	52	28
Holmes	47	19	--	--	--	--	--	--	--	--	--
Indian River	496	116	36	31	38	--	20	13	25	10	--
Jackson	123	35	--	13	12	--	--	--	--	--	--
Jefferson	31	11	--	--	--	--	--	--	--	--	--
Lafayette	21	--	--	--	--	--	--	--	--	--	--
Lake	979	264	55	52	91	16	40	28	27	28	--

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Cancer death rates by county in Florida in 2018



Cancer case rates by county in Florida in 2018

