

Section 8

Cancer Surveillance

Background

Section 385.202, Florida Statutes requires that all hospitals and outpatient facilities licensed in Florida report to the Department of Health each patient admitted for treatment of cancer. Information to be reported on each patient includes routine personal and demographic data, diagnosis, stage of disease at diagnosis, medical history, laboratory data, tissue diagnosis, and initial course of treatment. 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, 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 and mortality, aid in research studies to reduce cancer morbidity and mortality, focus cancer control activities, and address public questions and concerns regarding cancer.

The FCDS began operations with a pilot project for cancer registration in 1980 and commenced statewide collection of cancer incidence data (i.e., new cancer cases) from all Florida hospitals in 1981. 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 one to two 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 2014.

General Trends for 2014

During 2014, physicians diagnosed 110,602 primary cancers among Floridians, an average of 303 new cases per day. Cancer occurs predominantly among older people as age is the top risk factor. Approximately 59% of the newly diagnosed cancers in 2014 occurred in people ≥65 years old; this age group accounted for 19% of Florida's 2014 population. The four most common cancers in Floridians were lung and bronchus (16,302 cases, 15%), female breast (15,570 cases, 14%), prostate (11,214 cases, 10%), and colorectal (9,638 cases, 9%), which accounted for 53% of all new cases in blacks and 47% of all new cases in whites (Table 1). Fifty-one percent of new cancers were diagnosed in males. The number of new cancer cases in Florida's five most populous counties (Broward, Miami-Dade, Hillsborough, Palm Beach, and Pinellas) accounted for 38% of the new cancer cases in Florida in 2014 (Table 4).

More information about the burden of cancer in Florida is provided in the Florida Annual Cancer Report, an epidemiological series, available on the FCDS web site at <https://fcds.med.miami.edu/inc/publications.shtml>.

Table 1. Number of New Cancer Cases by Sex and Race, Florida, 2014

Characteristic	All Cancers	Lung and Bronchus	Breast	Prostate	Colorectal	Melanoma	Bladder	Head and Neck	Non-Hodgkin's Lymphoma	Ovary	Cervix
Florida	110,602	16,302	15,570	11,214	9,638	5,781	5,197	4,748	4,409	1,461	918
Sex											
Female	54,138	7,636	15,570	NA	4,523	2,096	1,260	1,190	1,938	1,461	918
Male	56,415	8,661	NA	11,214	5,110	3,683	3,935	3,557	2,469	NA	NA
Race											
Black	11,514	1,258	1,763	1,913	1,223	--	214	389	391	129	146
White	94,971	14,653	13,150	8,847	8,045	5,781	4,805	4,218	3,826	1,270	732
Sex and race											
Black female	5,788	534	1,763	NA	602	--	67	98	187	129	146
White female	46,241	6,949	13,150	NA	3,729	2,096	1,142	1,063	1,665	1,270	732
Black male	5,723	724	NA	1,913	621	--	147	291	203	NA	NA
White male	48,687	7,700	NA	8,847	4,311	3,683	3,662	3,154	2,160	NA	NA

-- Counts for counties with <10 cases are suppressed.
 NA Not applicable for gender-specific cancer types.

Cancer Surveillance

Table 2. Number of Cancer Deaths by Sex and Race, Florida, 2014

Characteristic	All Cancers	Lung and Bronchus	Breast	Prostate	Colorectal	Melanoma	Bladder	Head and Neck	Non-Hodgkin's Lymphoma	Ovary	Cervix
Florida	42,551	11,447	2,845	2,096	3,620	712	1,230	1,086	1,451	1,011	331
Sex											
Female	19,571	5,111	2,845	NA	1,693	229	337	258	610	1,011	331
Male	22,980	6,336	NA	2,096	1,927	483	893	828	841	NA	NA
Race											
Black	4,245	855	404	330	415	–	66	119	123	98	73
White	37,418	10,414	2,372	1,725	3,114	712	1,152	946	1,274	887	254
Sex and race											
Black female	2,101	344	404	NA	197	–	30	24	63	98	73
White female	17,033	4,682	2,372	NA	1,457	229	300	229	523	887	254
Black male	2,144	511	NA	330	218	–	36	95	60	NA	NA
White male	20,385	5,732	NA	1,725	1,657	483	852	717	751	NA	NA

-- Counts for counties with <10 cases are suppressed.
NA Not applicable for gender-specific cancer types.

Table 3. Age-Adjusted Incidence and Mortality Rates¹ and Confidence Intervals (CIs), Florida, 2014

Cancer	Age-Adjusted ¹ Incidence Rate (CI)	Age-Adjusted ¹ Mortality Rate (CI)
Breast	118.8 (116.9, 120.8)	19.9 (19.1, 20.7)
Prostate	87.1 (85.5, 88.8)	17.1 (16.3, 17.8)
Lung and bronchus	59.5 (58.6, 60.4)	41.3 (40.5, 42.1)
Colorectal	36.7 (35.9, 37.4)	13.2 (12.8, 13.7)
Melanoma	26.7 (26.0, 27.4)	3.1 (2.8, 3.3)
Bladder	18.8 (18.3, 19.4)	4.3 (4.1, 4.6)
Head and neck	18.1 (17.6, 18.6)	4.0 (3.8, 4.2)
Non-Hodgkin's lymphoma	17.3 (16.8, 17.9)	5.4 (5.1, 5.6)
Ovary	10.9 (10.3, 11.5)	6.9 (6.5, 7.4)
Cervix	8.5 (7.9, 9.1)	2.8 (2.5, 3.2)
All Cancers	426.0 (423.4, 428.6)	155.7 (154.2, 157.2)

1 Rates are calculated as number of cases per 100,000 population per year based on 2014 population estimates provided by the Florida Department of Health, Division of Public Health Statistics and Performance Management. Rates are age-adjusted to the 2000 U.S. standard population.

Table 4. Number of New Cancer Cases by County, Florida, 2014

County	All Cancers	Lung and Bronchus	Breast	Prostate	Colorectal	Melanoma	Bladder	Head and Neck	Non-Hodgkin's Lymphoma	Ovary	Cervix
Florida	110,602	16,302	15,570	11,214	9,638	5,781	5,197	4,748	4,409	1,461	918
Alachua	1,097	163	188	101	107	80	41	42	40	--	--
Baker	104	27	14	--	--	--	--	--	--	--	--
Bay	988	192	127	97	102	33	47	36	38	11	--
Bradford	135	26	19	14	10	--	--	--	--	--	--
Brevard	3,844	638	484	379	282	302	178	165	122	42	22
Broward	9,399	1,112	1,410	1,001	829	410	424	446	350	119	87
Calhoun	72	14	--	--	--	--	--	--	--	--	--
Charlotte	1,473	248	179	149	125	124	81	73	55	20	--
Citrus	1,264	245	145	109	109	51	63	69	35	20	--
Clay	1,007	168	137	87	78	57	48	41	42	--	15
Collier	1,989	243	273	333	160	188	82	75	73	25	16
Columbia	387	87	49	37	36	15	17	21	13	--	--
Desoto	137	25	17	19	15	--	--	--	--	--	--
Dixie	102	22	16	--	10	--	--	--	--	--	--
Duval	4,653	716	687	413	431	190	191	223	164	60	38
Escambia	1,611	278	216	147	144	83	89	81	57	23	12
Flagler	770	116	104	67	80	62	36	37	25	--	--
Franklin	52	--	--	--	--	--	--	--	--	--	--
Gadsden	223	37	26	22	23	--	--	16	--	--	--
Gilchrist	84	22	13	--	--	--	--	--	--	--	--
Glades	44	--	--	--	--	--	--	--	--	--	--
Gulf	91	12	--	--	13	--	--	--	--	--	--
Hamilton	78	14	16	--	--	--	--	--	--	--	--
Hardee	134	27	13	11	11	--	--	--	--	--	--

-- Counts for counties with <10 cases are suppressed.

Cancer Surveillance

Table 4 (Continued). Number of New Cancer Cases by County, Florida, 2014

County	All Cancers	Lung and Bronchus	Breast	Prostate	Colorectal	Melanoma	Bladder	Head and Neck	Non-Hodgkin's Lymphoma	Ovary	Cervix
Hendry	148	24	20	13	13	--	--	10	--	--	--
Hernando	1,316	240	154	114	117	87	81	56	38	16	--
Highlands	765	126	80	52	81	53	44	43	41	14	--
Hillsborough	6,304	823	936	596	539	344	235	265	260	109	65
Holmes	94	16	--	--	--	--	--	--	--	--	--
Indian River	1,158	201	143	81	78	111	60	55	43	17	--
Jackson	211	53	23	12	30	--	--	--	--	--	--
Jefferson	64	--	--	--	--	--	--	--	--	--	--
Lafayette	26	--	--	--	--	--	--	--	--	--	--
Lake	2,391	393	301	247	213	159	115	85	97	37	14
Lee	4,215	643	638	457	343	208	200	204	185	39	25
Leon	861	137	128	98	70	28	18	29	40	15	--
Levy	260	61	30	27	19	12	--	--	--	--	--
Liberty	21	--	--	--	--	--	--	--	--	--	--
Madison	86	25	--	--	--	--	--	--	--	--	--
Manatee	2,202	329	289	227	171	154	107	89	77	30	18
Marion	2,582	496	277	245	202	174	147	99	90	37	22
Martin	1,201	154	178	124	88	106	75	42	43	20	--
Miami-Dade	11,827	1,242	1,783	1,450	1,270	227	427	448	492	173	142
Monroe	476	70	64	43	38	34	30	33	17	--	--
Nassau	490	84	67	60	42	24	17	33	19	--	--
Okaloosa	912	146	142	82	87	67	46	46	26	12	--
Okeechobee	257	52	29	21	25	--	17	--	10	--	--
Orange	4,867	572	752	548	425	223	198	197	222	53	40
Osceola	1,369	165	201	154	127	47	60	50	68	17	16
Palm Beach	8,727	1,192	1,271	937	650	449	495	271	448	107	61
Pasco	3,164	568	401	263	261	181	170	142	128	39	26
Pinellas	6,210	1,048	915	502	539	330	340	290	224	87	51
Polk	3,990	593	464	440	378	239	181	175	162	54	36
Putnam	496	93	62	45	58	24	23	23	20	--	--
Santa Rosa	803	125	122	81	58	57	37	44	33	17	--
Sarasota	3,283	494	480	347	251	246	207	117	134	49	11
Seminole	1,800	243	280	184	143	99	83	81	82	17	13
St. Johns	1,228	178	197	113	93	82	67	65	56	18	--
St. Lucie	1,509	237	240	150	125	57	54	60	61	21	13
Sumter	1,134	169	157	128	80	43	77	45	40	14	--
Suwannee	250	47	26	21	22	20	10	12	--	--	--
Taylor	118	30	11	11	--	--	--	--	--	--	--
Union	197	46	--	18	19	--	--	19	14	--	--
Volusia	3,303	602	446	239	298	179	173	165	118	38	45
Wakulla	129	28	15	--	12	12	--	--	--	--	--
Walton	324	66	43	23	38	17	12	24	--	--	--
Washington	96	21	12	--	--	--	--	--	--	--	--

-- Counts for counties with <10 cases are suppressed.

