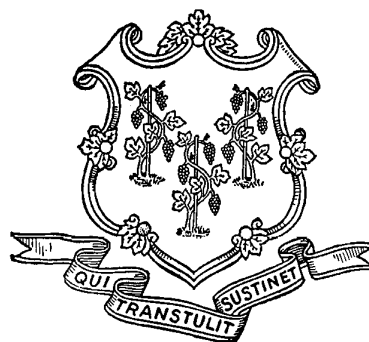


# *Cancer Incidence in Connecticut, 2003*



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*April, 2006*

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## INTRODUCTION

This report includes data on invasive cancers diagnosed in 2003 among male and female residents of Connecticut, as reported to the Connecticut Tumor Registry. Because of the difficulty in distinguishing “in situ” (pre-invasive) from invasive bladder cancers, bladder cancers reported as “in situ” have been included in reports on invasive cancer from the Connecticut Tumor Registry and from the National Cancer Institute (NCI). “In situ” cancers have not penetrated (microscopically) into deeper layers of the tissue in which the cancer originated, and therefore have little chance of spreading to other tissues or organs.

This report shows “age-specific” incidence rates for males and females. These rates represent the number of cancers diagnosed in a specific age group divided by the estimated number of persons in the Connecticut population (see Appendix) who are in that age category, expressed as a rate per 100,000 population. “Crude” incidence rates are also shown, which represent the total number of cancers (all age groups combined) divided by the estimated total Connecticut population of males or females in 2003, and expressed as a rate per 100,000 population.

In making comparisons of cancer incidence by time period and geographic area, rates are often “age adjusted” (“age standardized”) to take into account changes in the age structure of the population. The “aging” of the population, or the growing numbers of elderly persons, results in increases in total cancer rates because these rates rise with age. For many years, the Connecticut Tumor Registry and the SEER Program calculated age-

standardized cancer incidence rates by using the age distribution of the entire U.S. population (males and females combined) in 1970 as the standard. Recently, age-standardized rates have been calculated using the 2000 standard population; these age-standardized rates should not be compared to those based on the 1970 standard population.. Age-standardized incidence rates using both the 1970 and the 2000 standard population are provided in this report. Age-standardized incidence rates are fictitious rates, obtained by applying the actual age-specific rates in Connecticut to the age distribution of the total U.S. U.S. population (in 1970 or 2000), used solely for making comparisons by time period or geographic area.

The numbers and rates in this monograph were obtained from a data file that was prepared in April 2006. It includes some “delayed reports” of cancers (diagnosed in 2003) to the Registry from hospitals and other sources. A data file submitted by the Registry to NCI in November 2005, however, will be used by NCI in preparing statistical information and public-use data files in mid 2006. Therefore, the cancer incidence rates that appear in the present report will differ slightly from those published by SEER/NCI. In addition, the present report classifies cancers into various types that are consistent with previous reports from the Registry. The Registry’s system of classifying cancers by groups of “sites” or “types” differs slightly from that used in SEER/NCI publications; the SEER Program’s website (see [www.seer.cancer.gov](http://www.seer.cancer.gov) or [www.cancer.gov](http://www.cancer.gov)) explains the classification system, and also discusses delayed reporting of cancers to SEER registries. The present report

excludes cancers ascertained only from death certificates (“death certificate only” or “DCO”); for DCOs, date of cancer diagnosis is unknown (although SEER data files assign date of death), and DCOs comprise only 1% of all cancers registered.

This report also includes updated data on total numbers of incident cancers (all ages combined) and age-standardized incidence rates for diagnoses in 2002 (see Appendix A). These data for 2002 include delayed reports received by the Registry through mid-April 2006, or after the time that the previous report for 2002 was prepared and placed on the website of the Connecticut Department of Public Health. These data for 2002 can be compared with data in the corresponding tables for 2003. Numbers of cancers and incidence rates tend to fluctuate from year to year, however, so that combining several years of data provides statistically more stable data for analysis of time trends . Small numbers of delayed reports for diagnoses in 2002 and 2003 will continue to be received by the Registry, and the database is continuously updated.

**MALES**

**Numbers of Cancers, and Age-Specific Incidence Rates (per 100,000)**

**Males, 2003: Age at Diagnosis 0-4 Years through 15-19 Years**

Site/type	Age 0-4		Age 5-9		Age 10-14		Age 15-19	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
All invasive	18	16.56	8	6.78	20	15.60	53	43.96
Lymphoma								
Hodgkin	0	.00	0	0.00	3	2.34	9	7.47
Non-Hodgkin	1	.92	1	.85	2	1.56	10	8.29
Oral cavity, pharynx	0	.00	0	.00	1	0.78	2	1.66
Esophagus	0	.00	0	.00	0	.00	0	.00
Stomach	0	.00	0	.00	0	.00	0	.00
Colon	0	.00	0	.00	0	.00	0	.00
Rectum	0	.00	0	.00	0	.00	0	.00
Liver	1	0.92	0	.00	0	.00	0	.00
Gallbladder	0	.00	0	.00	0	.00	0	.00
Pancreas	0	.00	0	.00	1	.78	0	.00
Larynx	0	.00	0	.00	0	.00	0	.00
Lung	0	.00	0	.00	0	.00	1	.83
Connective tissue	1	0.92	0	.00	4	3.12	2	1.66
Melanoma, skin	0	.00	0	.00	1	.78	5	4.15
Prostate	0	.00	0	.00	0	.00	0	.00
Testis	0	.00	0	.00	1	.75	3	2.49
Bladder	0	.00	0	.00	0	.00	0	.00
Kidney	1	0.92	0	0.00	0	.00	1	.83
Brain, CNS	4	3.68	3	2.54	3	2.34	5	4.15
Thyroid	0	.00	0	.00	1	.78	3	2.49
Multiple myeloma	0	.00	0	.00	0	.00	0	.00
Leukemia	7	6.44	2	1.70	3	2.34	5	4.15
Kaposi sarcoma	0	.00	0	.00	0	.00	0	.00
Unknown site	0	.00	0	.00	0	.00	2	1.66

CNS: Central Nervous System (see Appendix for codes).

All rates are per 100,000 (males) in the estimated population of Connecticut in 2003. Not all specific types/sites are shown separately, so that the sum of the numbers for all of the sites/types shown is less than the number for all invasive cancers combined. See Appendix for a list of the codes used for the sites or types shown.

**Numbers of Cancers, and Incidence Rates (per 100,000)**

**Males, 2003: Age at Diagnosis 20-24 Years through 35-39 Years**

Site/type	Age 20-24		Age 25-29		Age 30-34		Age 35-39	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
All invasive	48	44.28	54	57.45	73	64.38	144	106.79
Lymphoma								
Hodgkin	7	6.46	10	10.64	5	4.41	5	3.71
Non-Hodgkin	1	.92	2	2.13	6	5.29	15	11.12
Oral cavity, pharynx	1	.92	1	1.06	3	2.65	5	3.71
Esophagus	0	.00	0	.00	2	1.76	1	.74
Stomach	1	.92	0	.00	0	.00	2	1.48
Colon	1	.92	0	.00	3	2.65	5	3.71
Rectum	2	1.85	2	2.13	1	.88	6	4.45
Liver	0	.00	0	.00	1	.88	3	2.22
Gallbladder	0	.00	1	1.06	0	.00	1	.74
Pancreas	0	.00	0	.00	0	.00	2	1.48
Larynx	0	.00	0	.00	0	.00	1	.74
Lung	1	.92	1	1.06	1	.88	3	2.22
Connective tissue	5	4.61	1	1.06	5	4.41	1	.74
Melanoma, skin	7	6.46	5	5.32	6	5.29	12	8.90
Prostate	0	.00	0	.00	0	.00	0	.00
Testis	13	11.99	12	12.77	13	11.46	17	12.61
Bladder	0	.00	0	.00	2	1.76	5	3.71
Kidney	0	.00	3	3.19	3	2.65	11	8.16
Brain CNS	3	2.77	4	4.26	6	5.29	8	5.93
Thyroid	1	.92	7	7.45	4	3.53	19	14.09
Multiple myeloma	0	.00	0	.00	2	1.76	1	.74
Leukemia	4	3.69	3	3.19	3	2.65	5	3.71
Kaposi sarcoma	0	.00	0	.00	0	.00	0	.00
Unknown site	0	.00	0	.00	2	1.76	2	1.48

**Numbers of Cancers, and Incidence Rates (per 100,000)**

**Males, 2003: Age at Diagnosis 40-44 Years through 55-59 Years**

Site/type	Age 40-44		Age 45-49		Age 50-54		Age 55-59	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
All invasive	228	155.28	373	268.81	688	591.69	980	985.04
Lymphoma								
Hodgkin	9	6.13	3	2.16	6	5.16	3	3.02
Non-Hodgkin	13	8.85	21	15.13	30	25.80	41	41.21
Oral cavity, pharynx	11	7.49	22	15.85	38	32.68	45	45.23
Esophagus	2	1.36	9	6.49	13	11.18	19	19.10
Stomach	2	1.36	9	6.49	7	6.02	22	22.11
Colon	14	9.53	18	12.97	51	43.86	53	53.27
Rectum	9	6.13	19	13.69	33	28.38	34	34.17
Liver	2	1.36	6	4.32	25	21.50	20	20.10
Gallbladder	1	.68	1	.72	1	.86	3	3.02
Pancreas	6	4.09	7	5.04	14	12.04	20	20.10
Larynx	2	1.36	5	3.60	13	11.18	21	21.11
Lung	14	9.53	31	22.34	69	59.34	125	125.64
Connective tissue	4	2.72	6	4.32	8	6.88	6	6.03
Melanoma,skin	29	19.75	32	23.06	30	25.80	44	44.23
Prostate	16	10.90	70	50.45	193	165.98	331	332.70
Testis	10	6.81	8	5.77	7	6.02	2	2.01
Bladder	12	8.17	20	14.41	33	28.38	53	53.27
Kidney	21	14.30	21	15.13	32	27.52	43	43.22
Brain, CNS	4	2.72	8	5.77	8	6.88	12	12.06
Thyroid	11	7.49	9	6.49	17	14.62	8	8.04
Multiple myeloma	2	1.36	4	2.88	6	5.16	16	16.08
Leukemia	14	9.53	11	7.93	16	13.76	18	18.09
Kaposi sarcoma	1	.68	3	2.16	2	1.72	0	.00
Unknown site	6	4.09	11	7.93	15	12.90	19	19.10



**Numbers of Cancers, and Incidence Rates (per 100,000)**

**Males, 2003: Age at Diagnosis 60-64 through 75-79 Years**

Site/type	Age 60-64		Age 65-69		Age 70-74		Age 75-79	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
All invasive	1213	1648.30	1245	2421.75	1364	2954.04	1364	3386.13
Lymphoma								
Hodgkin	5	6.79	2	3.89	3	6.50	1	2.48
Non-Hodgkin	37	50.28	32	62.25	41	88.79	48	119.16
Oral cavity,								
pharynx	30	40.77	22	42.79	32	69.30	23	57.10
Esophagus	22	29.89	27	52.52	28	60.64	18	44.68
Stomach	21	28.54	26	50.57	28	60.64	39	96.82
Colon	77	104.63	82	159.51	107	231.73	124	307.83
Rectum	40	54.35	32	62.25	47	101.79	47	116.68
Liver	15	20.38	13	25.29	14	30.32	25	62.06
Gallbladder	5	6.79	8	15.56	4	8.66	5	12.41
Pancreas	30	40.77	29	56.41	34	73.63	46	114.19
Larynx	21	28.54	16	31.12	15	32.49	10	24.82
Lung	176	239.16	183	355.97	215	465.63	237	588.35
Connective tissue	7	9.51	5	9.73	4	8.66	13	32.27
Melanoma, skin	47	63.87	51	99.20	58	125.61	70	173.77
Prostate	444	603.33	498	968.70	452	978.91	354	878.80
Testis	1	1.36	0	.00	0	.00	0	.00
Bladder	68	92.40	78	151.72	121	262.05	125	310.31
Kidney	57	77.46	31	60.30	42	90.96	44	109.23
Brain, CNS	15	20.38	11	21.40	14	30.32	13	32.27
Thyroid	11	14.95	5	9.73	5	10.83	5	12.41
Multiple myeloma	10	13.59	9	17.51	10	21.66	16	39.72
Leukemia	24	32.61	31	60.30	32	69.30	29	71.99
Kaposi sarcoma	1	1.36	1	1.95	2	4.33	1	2.48
Unknown site	14	19.02	22	42.79	20	43.31	30	74.47

Numbers of Cancers, and Incidence Rates (per 100,000)

Males, 2003: Age at Diagnosis 80-84 through 85+ Years

Site/type	Age 80-84		Age 85+	
	Number	Rate	Number	Rate
All invasive	963	3329.30	634	2685.87
Lymphoma				
Hodgkin	0	.00	0	.00
Non-Hodgkin	45	155.57	37	156.75
Oral cavity, pharynx	12	41.49	14	83.08
Esophagus	14	48.40	11	46.60
Stomach	27	93.34	18	76.26
Colon	101	349.18	73	309.26
Rectum	36	124.46	22	93.20
Liver	8	27.66	9	38.13
Gallbladder	8	27.66	8	33.89
Pancreas	29	100.26	17	72.02
Larynx	8	27.66	5	29.32
Lung	165	570.44	93	393.98
Connective tissue	7	24.20	6	25.42
Melanoma, skin	38	131.37	25	105.91
Prostate	190	656.87	113	478.71
Testis	1	3.46	0	.00
Bladder	113	390.67	66	279.60
Kidney	25	86.43	16	67.78
Brain, CNS	9	31.11	4	16.95
Thyroid	1	3.46	2	8.47
Multiple myeloma	10	34.57	11	46.60
Leukemia	37	127.92	20	84.73
Kaposi sarcoma	0	0.00	0	0.00
Unknown site	33	114.09	26	110.15

Numbers of Cancers, and Incidence Rates (per 100,000)

Males, 2003: All Ages Combined

Site/type	Total number of cancers	Incidence Rates per 100,000		
		Age-Standardized to 1970 <sup>a</sup>	to 2000 <sup>b</sup>	Crude rate <sup>c</sup>
All invasive	9470	484.22	576.05	559.89
Lymphoma				
Hodgkin	71	4.21	4.24	4.20
Non-Hodgkin	383	18.89	23.07	22.64
Oral cavity, pharynx	262	13.17	15.15	15.49
Esophagus	166	8.59	9.53	9.81
Stomach	202	10.06	12.86	11.94
Colon	709	34.93	43.82	41.92
Rectum	330	16.46	19.90	19.51
Liver	142	7.06	8.43	8.40
Gallbladder	46	2.24	2.86	2.72
Pancreas	235	11.80	14.45	13.89
Larynx	117	6.07	6.85	6.92
Lung	1315	66.99	81.08	77.75
Connective tissue	85	4.44	5.09	5.03
Melanoma, skin	460	23.30	27.81	27.20
Prostate	2661	141.70	161.68	157.32
Testis	87	4.71	5.20	5.14
Bladder	696	34.28	43.29	41.15
Kidney	351	17.66	20.76	20.75
Brain, CNS	134	7.30	8.05	7.92
Thyroid	109	5.47	6.34	6.44
Multiple myeloma	97	4.70	5.83	5.73
Leukemia	264	13.63	16.14	15.61
Kaposi sarcoma	11	.55	.64	.65
Unknown site	202	9.63	12.34	11.94

<sup>a</sup>Using the age distribution of the total U.S. population in 1970 as the standard population in age-standardization.

<sup>b</sup>Using the age distribution of the total U.S. population in 2000 as the standard population.

<sup>c</sup>The number of cancers in males divided by the total male population of Connecticut in 2001, expressed as a rate per 100,000 males.

Note: "All invasive" includes cancer sites or types not shown separately in the Table.

**FEMALES**

**Numbers of Cancers and Age-Specific Incidence Rates (per 100,000)**

**Females, 2003: Age at Diagnosis 0-4 through 15-19 Years**

Site/type	Age 0-4		Age 5-9		Age 10-14		Age 15-19	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
All invasive	27	25.94	13	11.50	13	10.65	25	21.86
Lymphoma								
Hodgkin	1	.96	0	.00	0	.00	2	1.75
Non-Hodgkin	1	.96	2	1.77	1	.82	2	1.75
Oral cavity,								
Pharynx	0	.00	1	.88	1	.82	0	.00
Esophagus	0	.00	0	.00	0	.00	0	.00
Stomach	0	.00	0	.00	0	.00	0	.00
Colon	0	.00	0	.00	1	.00	0	.00
Rectum	0	.00	0	.00	0	.00	0	.00
Liver	0	.00	1	.88	1	.82	0	.00
Gallbladder	0	.00	0	.00	0	.00	0	.00
Pancreas	0	.00	0	.00	0	.00	0	.00
Larynx	0	.00	0	.00	0	.00	0	.00
Lung	0	.00	0	.00	0	.00	1	.87
Connective tissue	2	1.92	1	.88	1	.82	2	1.75
Melanoma, skin	0	.00	1	.88	1	.82	3	2.62
Breast	0	.00	0	.00	0	.00	0	.00
Uterine cervix	0	.00	0	.00	0	.00	0	.00
Uterine corpus	0	.00	0	.00	0	.00	0	.00
Ovary	0	.00	1	.88	0	.00	2	1.75
Bladder	0	.00	0	.00	0	.00	0	.00
Kidney	1	.96	0	.00	0	.00	1	.87
Brain, CNS	7	6.72	3	2.65	1	.82	1	.87
Thyroid	0	.00	0	.00	2	1.64	4	3.50
Multiple myeloma	0	.00	0	.00	0	.00	0	.00
Leukemia	9	8.65	2	1.77	4	3.28	3	2.62
Kaposi sarcoma	0	.00	0	.00	0	.00	0	.00
Unknown site	0	.00	0	.00	0	.00	0	.00

CNS: Central nervous system.

All rates are per 100,000 (females) in the estimated population of Connecticut in 2003. Not all specific sites/types of cancer are shown separately, so that the sum of the numbers for all of the sites/types shown is less than the number for all invasive cancers combined. See Appendix for a list of codes used for the cancer sites or types shown.

**Numbers of Cancers, and Incidence Rates (per 100,000)**

**Females, 2003: Age at Diagnosis 20-24 through 35-39 Years**

Site/type	Age 20-24		Age 25-29		Age 30-34		Age 35-39	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
All invasive	47	45.38	61	66.29	132	112.59	263	188.27
Lymphoma								
Hodgkin	9	8.69	5	5.43	8	6.82	8	5.73
Non-Hodgkin	1	.97	1	1.09	3	2.56	10	7.16
Oral cavity, pharynx	2	1.93	1	1.09	1	.85	3	2.15
Esophagus	0	.00	0	.00	1	.85	1	.72
Stomach	0	.00	1	1.09	2	1.71	0	.00
Colon	0	.00	2	2.17	3	2.56	4	2.86
Rectum	0	.00	1	1.09	1	.85	4	2.86
Liver	1	.97	1	1.09	1	.85	1	.72
Gallbladder	0	.00	1	1.09	0	.00	0	.00
Pancreas	1	.97	0	.00	0	.00	3	2.15
Larynx	0	.00	0	.00	0	.00	1	.72
Lung	0	.00	0	.00	2	1.71	7	5.01
Connective tissue	2	1.93	0	.00	1	.85	1	.72
Melanoma, skin	7	6.76	17	18.48	16	13.65	22	15.75
Breast	1	.97	3	3.26	37	31.56	95	68.01
Uterine cervix	1	.97	5	5.43	9	7.68	11	7.87
Uterine corpus	0	.00	5	5.43	6	5.12	13	9.31
Ovary	3	2.90	0	.00	4	3.41	5	3.58
Bladder	0	.00	0	.00	0	.00	3	2.15
Kidney	0	.00	1	1.09	2	1.71	3	2.15
Brain, CNS	5	4.83	1	1.09	4	3.41	9	6.44
Thyroid	8	7.72	11	11.95	21	17.91	45	32.21
Multiple myeloma	0	.00	0	.00	0	.00	0	.00
Leukemia	3	2.90	2	2.17	4	3.41	3	2.15
Kaposi sarcoma	0	.00	0	.00	0	.00	0	.00
Unknown site	0	.00	2	2.17	0	.00	3	2.15

**Numbers of Cancers, and Incidence Rates (per 100,000)**

**Females, 2003: Age at Diagnosis 40-44 through 55-59 Years**

Site/type	Age 40-44		Age 45-49		Age 50-54		Age 55-59	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
All invasive	463	302.97	669	465.25	732	592.87	842	784.82
Lymphoma								
Hodgkin	6	3.93	6	4.17	0	.00	2	1.86
Non-Hodgkin	14	9.16	17	11.82	30	24.30	31	28.89
Oral cavity, pharynx	1	.65	11	7.65	14	11.34	8	7.46
Esophagus	0	.00	1	.70	2	1.62	3	2.80
Stomach	3	1.96	2	1.39	8	6.48	7	6.52
Colon	14	9.16	21	14.60	32	25.92	42	39.15
Rectum	14	9.16	12	8.35	15	12.15	24	22.37
Liver	1	.65	4	2.78	3	2.43	5	4.66
Gallbladder	1	.65	1	.70	3	2.43	3	2.80
Pancreas	3	1.96	5	3.48	8	6.48	14	13.05
Larynx	2	1.31	2	1.39	3	2.43	2	1.86
Lung	17	11.12	51	35.47	66	53.46	105	97.87
Connective tissue	2	1.31	4	2.78	7	5.67	7	6.52
Melanoma, skin	30	19.63	38	26.43	34	27.54	36	33.56
Breast	211	138.97	319	221.85	281	227.59	304	283.35
Uterine cervix	20	13.09	16	11.13	13	10.53	9	8.39
Uterine corpus	21	13.74	37	27.73	62	50.22	84	78.30
Ovary	12	7.85	36	25.04	31	25.11	33	30.76
Bladder	6	3.93	4	2.78	18	14.58	17	15.85
Kidney	13	8.51	10	6.95	18	14.58	17	15.85
Brain, CNS	5	3.27	5	3.48	4	3.24	12	11.19
Thyroid	51	33.37	49	34.08	35	28.35	28	26.10
Multiple myeloma	3	1.96	0	.00	2	1.62	7	6.52
Leukemia	1	.65	6	4.17	16	12.96	12	11.19
Kaposi sarcoma	0	.00	0	.00	0	.00	0	.00
Unknown site	4	2.62	4	2.78	3	2.43	4	3.73

**Numbers of Cancers, and Incidence Rates (per 100,000)**

**Females, 2003: Age at Diagnosis 60-64 through 75-79 Years**

Site/type	Age 60-64		Age 65-69		Age 70-74		Age 75-79	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
All invasive	889	1101.37	897	1455.46	1052	1766.40	1175	2042.24
Lymphoma								
Hodgkin	0	.00	0	.00	2	3.36	1	1.74
Non-Hodgkin	34	42.12	40	64.90	49	82.28	53	92.12
Oral cavity, pharynx	15	18.58	10	16.23	15	25.19	13	22.59
Esophagus	6	7.43	4	6.49	6	10.07	7	12.17
Stomach	3	3.72	13	21.09	9	15.11	10	17.38
Colon	55	68.14	68	110.34	106	177.98	144	250.28
Rectum	25	30.97	33	53.55	29	48.69	41	71.26
Liver	2	2.48	10	16.23	3	5.04	6	10.43
Gallbladder	6	7.43	3	4.87	6	10.07	1	1.74
Pancreas	24	29.73	34	55.17	26	43.66	40	69.52
Larynx	2	2.48	4	6.49	5	8.40	3	5.21
Lung	140	173.44	184	289.56	208	349.25	223	387.59
Connective tissue	9	11.15	9	14.60	9	15.11	15	26.07
Melanoma, skin	28	34.69	25	40.56	35	58.77	29	50.40
Breast	275	340.69	215	348.86	262	439.92	280	486.66
Uterine cervix	16	19.82	9	14.60	7	11.75	6	10.43
Uterine corpus	83	102.83	66	107.09	64	107.46	55	95.59
Ovary	40	49.56	26	42.19	34	57.09	29	50.40
Bladder	24	29.73	31	50.30	41	68.84	51	88.64
Kidney	24	29.73	19	30.83	21	35.26	34	59.09
Brain, CNS	5	6.19	10	16.23	14	23.51	15	26.07
Thyroid	19	23.54	14	22.72	14	23.51	14	24.33
Multiple myeloma	11	13.63	11	17.85	14	23.51	16	27.81
Leukemia	13	16.11	15	24.34	15	25.19	20	34.76
Kaposi sarcoma	0	.00	0	.00	0	.00	1	1.74
Unknown site	11	13.63	15	24.34	28	47.01	25	43.45

Numbers of Cancers, and Incidence Rates (per 100,000)

Females, 2003: Age at Diagnosis 80-84 through 85+ Years

Site/type	Age 80-84		Age 85+	
	Number	Rate	Number	Rate
All invasive	948	1953.91	869	1604.03
Lymphoma				
Hodgkin	2	4.12	0	.00
Non-Hodgkin	55	113.76	46	84.91
Oral cavity, pharynx	13	26.79	16	29.53
Esophagus	7	14.43	16	29.53
Stomach	24	49.47	26	47.99
Colon	145	289.86	145	267.65
Rectum	21	43.28	33	60.91
Liver	3	6.18	7	12.92
Gallbladder	14	28.86	9	16.61
Pancreas	46	94.81	34	62.76
Larynx	1	2.06	3	5.54
Lung	133	274.13	88	162.43
Connective tissue	11	22.67	8	14.77
Melanoma, skin	15	30.92	19	35.07
Breast	213	439.01	148	273.18
Uterine cervix	4	8.24	2	3.69
Uterine corpus	41	84.50	37	68.30
Ovary	27	55.65	32	59.07
Bladder	27	55.65	49	90.45
Kidney	20	41.22	16	29.53
Brain, CNS	9	18.55	10	18.46
Thyroid	9	18.55	2	3.69
Multiple myeloma	18	37.10	8	14.77
Leukemia	13	26.79	22	40.61
Kaposi sarcoma	3	6.18	1	1.85
Unknown site	31	63.89	41	75.68



**Numbers of Cancers, and Incidence Rates (per 100,000)**

**Females, 2003: All Ages Combined**

Site/type	Total number of cancers	Incidence Rates per 100,000		
		Age-Standardized to 1970 <sup>a</sup>	to 2000 <sup>b</sup>	Crude Rate <sup>c</sup>
All invasive	9117	364.33	432.69	507.76
Lymphoma				
Hodgkin	52	2.79	3.01	2.90
Non-Hodgkin's	390	15.05	18.10	21.72
Oral cavity, pharynx	125	5.02	5.86	6.96
Esophagus	54	1.77	2.28	3.01
Stomach	108	3.57	4.62	6.01
Colon	781	26.71	34.19	43.50
Rectum	253	9.82	11.79	14.09
Liver	50	2.00	2.36	2.81
Gallbladder	48	1.65	2.06	2.67
Pancreas	238	8.69	10.66	13.26
Larynx	28	1.14	1.36	1.56
Lung	1225	49.53	58.09	68.22
Connective tissue	91	3.86	4.36	5.07
Melanoma, skin	356	15.73	18.12	19.83
Breast	2644	107.87	127.69	147.25
Uterine cervix	128	5.70	6.67	7.13
Uterine corpus	574	24.27	27.62	31.97
Ovary	315	12.82	14.88	17.54
Bladder	271	9.89	12.23	15.09
Kidney	200	8.00	9.49	11.14
Brain, CNS	120	5.44	6.06	6.68
Thyroid	326	14.65	17.25	18.16
Multiple myeloma	90	3.40	4.11	5.01
Leukemia	163	7.18	7.92	9.08
Kaposi sarcoma	5	.12	.19	.28
Unknown site	171	5.67	7.40	9.52

<sup>a</sup>Using the age distribution of the total U.S. population in 1970 as the standard.

<sup>b</sup>Using the age distribution of the total U.S. population in 2000 as the standard.

<sup>c</sup>Number of cancers divided by the total female population of Connecticut in 2002, expressed as a rate per 100,000 females.

Note: "All invasive" includes other sites or types not shown separately in the table.

**APPENDIX A: CANCERS DIAGNOSED IN 2002,  
UPDDATED DATA**

**MALES: 2002**

Site/type	Total number cancers	Incidence Rates per 100,000		
		Age-Standardized to 1970	to 2000	Crude rate
All invasive	9647	500.17	595.68	575.00
Lymphoma				
Hodgkin	61	3.29	3.74	3.64
Non-Hodgkin	406	20.48	24.77	24.20
Oral cavity, pharynx	252	12.83	15.02	15.02
Esophagus	156	8.29	9.62	9.30
Stomach	206	10.05	12.87	12.28
Colon	800	39.92	50.03	47.68
Rectum	321	16.03	19.60	19.13
Liver	111	5.62	6.76	6.62
Gallbladder	59	2.99	3.74	3.52
Pancreas	240	12.18	14.82	14.30
Larynx	128	6.54	7.82	7.63
Lung	1311	68.31	82.21	78.14
Connective tissue	89	4.67	5.36	5.30
Melanoma, skin	402	20.25	24.29	23.96
Prostate	2951	158.15	181.76	175.89
Testis	103	5.23	6.09	6.14
Bladder	684	34.38	43.10	40.77
Kidney	322	16.64	19.53	19.19
Brain, CNS	135	7.59	8.14	8.05
Thyroid	77	4.11	4.60	4.59
Multiple myeloma	127	6.50	7.92	7.57
Leukemia	227	11.87	14.20	13.53
Kaposi sarcoma	9	.41	.54	.54
Unknown site	167	8.30	10.36	9.95

**FEMALES: 2002**

Site/type	Total number of Cancers	Incidence Rare per 100,000		
		Age-Standardized to 1970	to 2000	Crude Rate
All invasive	9261	376.41	445.36	519.91
Lymphoma				
Hodgkin	62	3.48	3.56	3.48
Non-Hodgkin	353	13.72	16.51	19.82
Oral cavity, pharynx	120	5.21	5.94	6.74
Esophagus	58	2.28	2.71	3.26
Stomach	117	4.09	5.23	6.57
Colon	861	30.11	38.36	48.34
Rectum	296	11.73	13.91	16.62
Liver	45	1.84	2.14	2.53
Gallbladder	59	2.28	2.72	3.31
Pancreas	216	7.77	9.68	12.13
Larynx	31	1.33	1.53	1.74
Lung	1243	49.46	59.01	69.78
Connective tissue	73	3.44	3.79	4.10
Melanoma, skin	356	15.39	17.89	19.99
Breast	2783	116.47	136.31	156.24
Uterine cervix	119	5.09	6.12	6.68
Uterine corpus	580	25.37	28.46	32.56
Ovary	260	10.96	12.74	14.60
Bladder	258	9.70	11.89	14.48
Kidney	216	8.99	10.53	12.13
Brain, CNS	91	4.66	4.87	5.11
Thyroid	261	11.87	13.97	14.65
Multiple myeloma	95	3.58	4.37	5.33
Leukemia	189	8.02	9.17	10.61
Kaposi sarcoma	3	.09	.13	.17
Unknown site	229	8.03	10.21	12.86

## APPENDIX B

### International Classification of Diseases for Oncology, Version 3 (ICD-O-3) Codes

#### Lymphomas

HODGKIN'S: Morphology codes 9650-9667  
NON-HODGKIN'S: Morphology codes 9590-9591,  
9670-9729; 9823, 9827 (except for site codes 420, 421, 424)

#### Excluding Lymphomas

(Morphology codes 9590-9729 are excluded. "C" is part of the  
ICD-O site code)

ORAL CAVITY, PHARYNX: C 00.0-14.8.  
ESOPHAGUS: C 15.0-15.9.  
STOMACH: C 16.0-16.9.  
COLON: C 18.0-18.9.  
RECTUM, ANUS: C 19.9, 20.9-21.8.  
LIVER: C 22.0-22.1.  
GALLBLADDER: C 23.9-24.9 (includes extrahepatic bile ducts)  
PANCREAS: C 25.0-25.9.  
LARYNX: C 32.0-32.9.  
TRACHEA, BRONCHUS, LUNG: C 33.9-34.9.  
CONNECTIVE TISSUE: C 49.0-49.9.  
MELANOMA OF SKIN: C 44.0-44.9, Morphology 8720-8790.  
PROSTATE: C 61.9.  
FEMALE BREAST: Sex female and C 50.0-50.9.  
TESTIS: C 62.0-62.9.  
CERVIX UTERUS: C 53.0-53.9.  
UTERINE CORPUS, AND UTERUS NOT OTHERWISE  
SPECIFIED: C 54.0-54.9. 55.9.  
OVARY, ADJACENT STRUCTURES: C 56.9-57.8.  
BLADDER: C 67.0-67.9.  
KIDNEY, RENAL PELVIS, URETER: C 64.9-66.9.  
BRAIN, CENTRAL NERVOUS SYSTEM (CNS):  
CEREBRAL MENINGES, CRANIAL NERVES:  
C 70.0-71.9, 72.2-72.5.  
THYROID: C 73.9.  
MULTIPLE MYELOMA: Morphology 9731-9732.  
LEUKEMIA: Morphology 9800-9822;9826;9832-9948;9823 and  
9827 (site codes 420, 421, 424)  
KAPOSI'S SARCOMA: Morphology 9140.  
UNKNOWN SITE: C 76.0-76.8, 80.0-80.9 (ill-defined or unknown  
primary site).

Reference: Fritz A, Percy C, Jack A et al. (editors) *International Classification of Diseases for Oncology. Third Edition*. Geneva, Switzerland, World Health Organization, 2000.

Note: These groupings for cancer site/type were selected for consistency with past reports from the Connecticut Tumor Registry.

## Appendix C

### Connecticut Population Estimates by Age and Sex: July 1, 2003

From Table SC-EST2004-02-09 - State Characteristic Estimates.  
Population Division, U.S. Census Bureau (Release Date: March 2005)  
(Internet [www.census.gov](http://www.census.gov))<sup>a</sup>

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Age (years)	Male	Female
0-4	108,725	104,320
5-9	117,973	113,010
10-14	128,169	122,046
15-19	120,560	114,375
20-24	108,393	103,576
25-29	94,002	92,013
30-34	113,397	117,237
35-39	134,844	139,693
40-44	146,836	152,820
45-49	138,762	143,794
50-54	116,278	123,467
55-59	99,488	107,286
60-64	73,591	80,718
65-69	51,409	61,630
70-74	46,174	59,556
75-79	40,282	57,535
80-84	28,925	48,518
85 and over	23,605	54,176
Total	1,691,413	1,795,547

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Note: Population estimates for 2002, for calculating incidence rates for 2002 (Appendix A), were also obtained from this website.