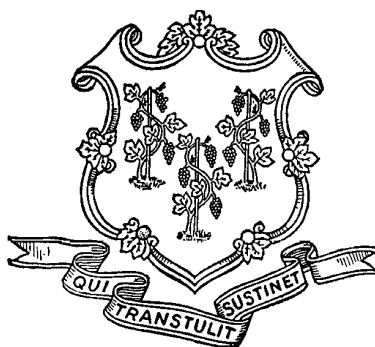


# **Cancer Incidence In Connecticut 1999**



State of Connecticut  
Department of Public Health  
Connecticut Tumor Registry  
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November, 2001

CANCER INCIDENCE IN CONNECTICUT, 1999

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OFFICE OF POLICY, PLANNING AND EVALUATION  
CONNECTICUT DEPARTMENT OF PUBLIC HEALTH  
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November, 2001

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Requests for further information, and questions about this report, should be directed to the Connecticut Tumor Registry (telephone 860-509-7163).

## INTRODUCTION

Numbers of cancers shown in this report are the "final" totals for diagnoses in 1999 as reported to the Registry. These data were also reported by the Registry to the National Cancer Institute (NCI), for use in NCI publications and monographs. However, numbers will increase slightly due to late reporting of additional cancers diagnosed in 1999.

The crude rate is the number of cancers divided by total estimated population of males (for rates in males) or females (for rates in females) in 1999, expressed as a rate per 100,000 males or per 100,000 females. Age-standardized rates (ASRs) are computed by using the age distribution of the total U.S. population in 1970; this standard population has also been used in publications of the National Cancer Institute.

Populations used for this report for 1999 are from U.S. Bureau of the Census estimates made in 2000. These estimates are also being used by the National Cancer Institute, for computing cancer incidence rates for 1999, until revised population estimates (based on the Year 2000 Census) are available for 1999. Use of Year 2000 population estimates would result in slightly lower rates; for example, the age-standardized incidence rate for breast cancer for 1999 would be 121.9 per 100,000 females rather than 128.6 as shown below (page 14).

Data shown in this report, as in previous reports, are for invasive cancers only, except for bladder (which includes both in situ and invasive tumors). The Appendix provides the specific codes in the International Classification of Diseases for Oncology (ICD-O-2) used in this report, and in many previous reports from the Registry.

**Males: Age-Specific Incidence Rates (per 100,000 Males), 1999**

Site/type	Age 0-4		Age 5-9		Age 10-14		Age 15-19	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
All	16	14.32	17	13.95	11	8.95	21	19.46
Lymphoma:								
Hodgkin	0	.00	0	.00	0	.00	2	1.85
Non-Hodgkin	0	.00	2	1.64	2	1.63	1	.93
Oral, pharynx	0	.00	0	.00	1	.81	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	.81	0	.00
Rectum	0	.00	0	.00	0	.00	0	.00
Liver	1	.90	0	.00	0	.00	1	.93
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	0	.00
Connective								
tissue	2	1.79	2	1.64	0	.00	1	.93
Melanoma	0	.00	1	.82	0	.00	1	.93
Prostate	0	.00	0	.00	0	.00	0	.00
Testis	0	.00	0	.00	0	.00	8	7.41
Bladder	0	.00	0	.00	0	.00	0	.00
Kidney	0	.00	0	.00	0	.00	0	.00
Brain, CNS	4	3.58	4	3.28	2	1.63	1	.93
Thyroid	0	.00	0	.00	0	.00	2	1.85
Myeloma	0	.00	0	.00	0	.00	0	.00
Leukemia	8	7.16	6	4.92	3	2.44	2	1.85
Kaposi sarc.	0	.00	0	.00	0	.00	0	.00
Unknown primary	0	.00	0	.00	0	.00	0	.00

Males, 1999 Site/type	Age 20-24		Age 25-29		Age 30-34		Age 35-39	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
All	41	45.44	53	54.02	76	61.76	124	87.41
Lymphoma:								
Hodgkin	2	2.22	8	8.15	5	4.06	3	2.11
Non-Hodgkin	8	8.87	3	3.06	9	7.31	14	9.87
Oral, pharynx	1	1.11	0	.00	3	2.44	6	4.23
Esophagus	0	.00	0	.00	0	.00	2	1.41
Stomach	0	.00	0	.00	0	.00	3	2.11
Colon	0	.00	1	1.02	3	2.44	5	3.52
Rectum	0	.00	0	.00	0	.00	4	2.82
Liver	0	.00	0	.00	0	.00	1	.70
Gallbladder	0	.00	0	.00	0	.00	0	.00
Pancreas	0	.00	0	.00	0	.00	0	.00
Larynx	1	1.11	0	.00	1	.81	2	1.41
Lung	0	.00	0	.00	4	3.25	5	3.52
Connective								
tissue	1	1.11	2	2.04	2	1.63	3	2.11
Melanoma	7	7.76	5	5.10	12	9.75	20	14.10
Prostate	0	.00	0	.00	0	.00	2	1.41
Testis	15	16.62	15	15.29	15	12.19	17	11.98
Bladder	0	.00	0	.00	2	1.63	0	.00
Kidney	0	.00	1	1.02	4	3.25	4	2.82
Brain, CNS	0	.00	5	5.10	6	4.88	12	8.46
Thyroid	1	1.11	6	6.12	4	3.25	4	2.82
Myeloma	0	.00	0	.00	0	.00	2	1.41
Leukemia	4	4.43	4	4.08	3	2.44	5	3.52
Kaposi sarc.	0	.00	0	.00	1	.81	3	2.11
Unknown	0	.00	1	1.02	0	.00	1	.70

Males, 1999 Site/type	Age 40-44		Age 45-49		Age 50-54		Age 55-59	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
All	188	138.32	327	288.94	597	599.87	801	1028.00
Lymphoma:								
Hodgkin	8	5.89	3	2.65	1	1.00	6	7.70
Non-Hodgkin	23	16.92	20	17.67	34	34.16	35	44.92
Oral, pharynx	8	5.89	21	18.56	22	22.11	34	43.64
Esophagus	3	2.21	5	4.42	11	11.05	18	23.10
Stomach	5	3.68	6	5.30	13	13.06	14	17.97
Colon	12	8.83	27	23.86	34	34.16	59	75.72
Rectum	5	3.68	15	13.25	35	35.17	30	38.50
Liver	0	.00	6	5.30	10	10.05	15	19.25
Gallbladder	0	.00	0	.00	0	.00	2	2.57
Pancreas	2	1.47	5	4.42	12	12.06	21	26.95
Larynx	5	3.68	12	10.60	18	18.09	12	15.40
Lung	14	10.30	27	23.86	76	76.37	120	154.01
Connective tissue	2	1.47	4	3.53	5	5.02	3	3.85
Melanoma	25	18.39	28	24.74	35	35.17	40	51.34
Prostate	5	3.68	47	41.53	173	173.83	248	318.28
Testis	13	9.56	7	6.19	6	6.03	1	1.28
Bladder	9	6.62	25	22.09	32	32.15	48	61.60
Kidney	11	8.09	16	14.14	25	25.12	27	34.65
Brain, CNS	4	2.94	6	5.30	9	9.04	11	14.12
Thyroid	6	4.41	11	9.72	7	7.03	8	10.27
Myeloma	3	2.21	6	5.30	6	6.03	7	8.98
Leukemia	9	6.62	10	8.84	9	9.04	14	17.97
Kaposi sarc.	0	.00	1	.88	1	1.00	0	.00
Unknown	5	3.68	8	7.07	8	8.04	11	14.12

Males, 1999 Site	Age 60-64		Age 65-69		Age 70-74		Age 75-79	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
All	1071	1830.46	1260	2344.67	1453	2932.75	1312	3130.74
Lymphoma:								
Hodgkin	3	5.13	4	7.44	3	6.06	2	4.77
Non-Hodgkin	30	51.27	46	85.60	63	127.16	63	150.33
Oral, pharynx	28	47.86	29	53.96	32	64.59	24	57.27
Esophagus	19	32.47	24	44.66	24	48.44	16	38.18
Stomach	22	37.60	19	35.36	30	60.55	40	95.45
Colon	82	140.15	79	147.01	116	234.14	128	305.44
Rectum	40	68.36	57	106.07	52	104.96	49	116.93
Liver	15	25.64	7	13.03	17	34.31	23	54.88
Gallbladder	5	8.55	4	7.44	5	10.09	9	21.48
Pancreas	18	30.76	30	55.83	29	58.53	31	73.97
Larynx	14	23.93	17	31.63	21	42.39	12	28.63
Lung	162	276.88	199	370.31	234	472.31	215	513.04
Connective								
tissue	6	10.25	9	16.75	8	16.15	7	16.70
Melanoma	44	75.20	53	98.62	54	108.99	30	71.59
Prostate	395	675.10	470	874.60	502	1013.24	363	866.20
Testis	0	.00	1	1.86	0	.00	1	2.39
Bladder	77	131.60	82	152.59	103	207.90	139	331.69
Kidney	31	52.98	37	68.85	38	76.70	40	95.45
Brain, CNS	13	22.22	16	29.77	16	32.29	12	28.63
Thyroid	6	10.25	4	7.44	3	6.06	4	9.54
Myeloma	14	23.93	11	20.47	14	28.26	13	31.02
Leukemia	16	27.35	18	33.50	32	64.59	33	78.75
Kaposi sarc.	1	1.71	3	5.58	0	.00	1	2.39
Unknown	15	25.64	21	39.08	37	74.68	33	78.75

Males, 1999 Site	Age 80-84		Age 85+	
	No.	Rate	No.	Rate
-----				
All	952	3534.04	587	3274.94
Lymphoma: Hodgkin	0	.00	1	5.58
Non-Hodgkin	32	118.79	22	122.74
Oral, pharynx	22	81.67	16	89.27
Esophagus	16	59.40	6	33.47
Stomach	26	96.52	19	106.00
Colon	121	449.18	74	412.85
Rectum	45	167.05	31	172.95
Liver	15	55.68	5	27.90
Gallbladder	6	22.27	6	33.47
Pancreas	31	115.08	22	122.74
Larynx	13	48.26	2	11.16
Lung	156	579.11	83	463.07
Connective				
tissue	3	11.14	3	16.74
Melanoma	29	107.65	16	89.27
Prostate	216	801.84	138	769.92
Testis	0	.00	0	.00
Bladder	109	404.63	68	379.38
Kidney	27	100.23	7	39.05
Brain, CNS	9	33.41	8	44.63
Thyroid	1	3.71	1	5.58
Myeloma	14	51.97	8	44.63
Leukemia	14	51.97	13	72.53
Kaposi sarc.	0	.00	1	5.58
Unknown	16	59.40	18	100.42



<b>Males, 1999</b>			
Site	Total cancers	ASR	Crude rate
-----			
All	8907	489.50	559.20
Lymphoma:			
Hodgkin	51	2.95	3.20
Non-Hodgkin	407	22.06	25.55
Oral, pharynx	247	13.62	15.51
Esophagus	144	8.05	9.04
Stomach	197	10.35	12.37
Colon	742	39.14	46.58
Rectum	363	19.69	22.79
Liver	116	6.33	7.28
Gallbladder	37	1.92	2.32
Pancreas	201	10.72	12.62
Larynx	130	7.21	8.16
Lung	1295	70.88	81.30
Connective tissue	63	3.60	3.96
Melanoma	400	22.21	25.11
Prostate	2559	144.80	160.66
Testis	99	5.91	6.22
Bladder	694	36.59	43.57
Kidney	268	14.68	16.83
Brain, CNS	138	7.71	8.66
Thyroid	68	3.86	4.27
Myeloma	98	5.27	6.15
Leukemia	203	11.43	12.74
Kaposi sarcoma	12	.62	.75
Unknown	174	9.21	10.92

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ASR: Age standardized rate per 100,000 (see Introduction).

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**Females:** Age-Specific Incidence Rates (per 100,000 Females) in 1999

Site	Age 0-4		Age 5-9		Age 10-14		Age 15-19	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
All	34	31.96	11	9.48	14	11.86	16	15.74
Lymphoma: Hodgkin	0	.00	0	.00	2	1.69	2	1.97
Non-Hodgkin	1	.94	0	.00	1	.85	1	.98
Oral, pharynx	0	.00	0	.00	0	.00	0	.00
Esophagus	0	.00	0	.00	0	.00	0	.00
Stomach	0	.00	0	.00	1	.85	0	.00
Colon	0	.00	0	.00	0	.00	0	.00
Rectum	0	.00	0	.00	0	.00	0	.00
Liver	1	.94	0	.00	0	.00	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	.98
Connective tiss.	4	3.76	0	.00	2	1.69	1	.98
Melanoma	0	.00	0	.00	2	1.69	1	.98
Breast	0	.00	0	.00	0	.00	0	.00
Cervix	0	.00	0	.00	0	.00	1	.98
Corpus	0	.00	0	.00	0	.00	0	.00
Ovary	0	.00	0	.00	0	.00	1	.98
Bladder	0	.00	0	.00	0	.00	0	.00
Kidney	3	2.82	1	.86	0	.00	0	.00
Brain, CNS	8	7.52	3	2.58	2	1.69	0	.00
Thyroid	0	.00	1	.86	2	1.69	5	4.92
Myeloma	0	.00	0	.00	0	.00	0	.00
Leukemia	9	8.46	5	4.31	1	.85	2	1.97
Kaposi sarc.	0	.00	0	.00	0	.00	0	.00
Unknown	0	.00	0	.00	0	.00	0	.00

Females, 1999 Site	Age 20-24		Age 25-29		Age 30-34		Age 35-39	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
All	34	39.01	66	66.26	124	98.65	253	175.24
Lymphoma: Hodgkin	4	4.59	6	6.02	12	9.55	6	4.16
Non-Hodgkin	1	1.15	7	7.03	2	1.59	16	11.08
Oral, pharynx	1	1.15	0	.00	2	1.59	3	2.08
Esophagus	0	.00	0	.00	0	.00	0	.00
Stomach	0	.00	0	.00	0	.00	1	.69
Colon	1	1.15	0	.00	0	.00	7	4.85
Rectum	0	.00	0	.00	3	2.39	4	2.77
Liver	0	.00	0	.00	0	.00	1	.69
Gallbladder	0	.00	0	.00	0	.00	0	.00
Pancreas	0	.00	0	.00	0	.00	1	.69
Larynx	0	.00	1	1.00	0	.00	0	.00
Lung	0	.00	0	.00	4	3.18	9	6.23
Connective tiss.	2	2.29	0	.00	2	1.59	2	1.39
Melanoma, skin	9	10.33	6	6.02	14	11.14	21	14.55
Breast	2	2.29	9	9.03	37	29.44	92	63.73
Cervix	2	2.29	3	3.01	11	8.75	18	12.47
Corpus	0	.00	3	3.01	4	3.18	4	2.77
Ovary	0	.00	4	4.02	7	5.57	10	6.93
Bladder	0	.00	1	1.00	3	2.39	3	2.08
Kidney	0	.00	1	1.00	1	.80	7	4.85
Brain, CNS	2	2.29	4	4.02	3	2.39	4	2.77
Thyroid	8	9.18	10	10.04	13	10.34	26	18.01
Myeloma	0	.00	0	.00	0	.00	0	.00
Leukemia	0	.00	5	5.02	4	3.18	6	4.16
Kaposi sarc.	0	.00	0	.00	0	.00	0	.00
Unknown	0	.00	2	2.01	0	.00	1	.69

Females, 1999 Site	Age 40-44		Age 45-49		Age 50-54		Age 55-59	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
All	400	282.66	543	459.21	754	716.92	789	948.43
Lymphoma: Hodgkin	3	2.12	4	3.38	1	.95	2	2.40
Non-Hodgkin	8	5.65	17	14.38	23	21.87	23	27.65
Oral, pharynx	5	3.53	1	.85	15	14.26	10	12.02
Esophagus	0	.00	1	.85	4	3.80	3	3.61
Stomach	4	2.83	3	2.54	6	5.70	6	7.21
Colon	12	8.48	31	26.22	23	21.87	32	38.47
Rectum	10	7.07	15	12.69	24	22.82	34	40.87
Liver	0	.00	2	1.69	2	1.90	1	1.20
Gallbladder	2	1.41	1	.85	1	.95	2	2.40
Pancreas	0	.00	4	3.38	5	4.75	13	15.63
Larynx	5	3.53	0	.00	4	3.80	4	4.81
Lung	19	13.43	42	35.52	66	62.75	94	112.99
Connective tiss.	3	2.12	4	3.38	6	5.70	3	3.61
Melanoma	29	20.49	29	24.53	39	37.08	19	22.84
Breast	173	122.25	253	213.96	337	320.43	325	390.67
Cervix	27	19.08	16	13.53	10	9.51	12	14.42
Corpus	12	8.48	39	32.98	67	63.71	69	82.94
Ovary	19	13.43	23	19.45	30	28.52	38	45.68
Bladder	4	2.83	4	3.38	19	18.07	18	21.64
Kidney	7	4.95	6	5.07	6	5.70	20	24.04
Brain, CNS	4	2.83	5	4.23	4	3.80	9	10.82
Thyroid	29	20.49	14	11.84	26	24.72	6	7.21
Myeloma	1	.71	2	1.69	12	11.41	3	3.61
Leukemia	7	4.95	13	10.99	6	5.70	13	15.63
Kaposi sarc.	0	.00	0	.00	0	.00	0	.00
Unknown	4	2.83	6	5.07	6	5.70	20	24.04

Females, 1999 Site	Age 60-64		Age 65-69		Age 70-74		Age 75-79	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
All	798	1254.54	949	1474.59	1186	1845.37	1172	1963.81
Lymphoma: Hodgkin	5	7.86	1	1.55	1	1.56	1	1.68
Non-Hodgkin	38	59.74	36	55.94	42	65.35	54	90.48
Oral, pharynx	13	20.44	18	27.97	9	14.00	25	41.89
Esophagus	10	15.72	14	21.75	9	14.00	10	16.76
Stomach	9	14.15	9	13.98	22	34.23	19	31.84
Colon	52	81.75	99	153.83	140	217.83	149	249.66
Rectum	21	33.01	33	51.28	40	62.24	56	93.83
Liver	3	4.72	13	20.20	8	12.45	9	15.08
Gallbladder	5	7.86	5	7.77	9	14.00	12	20.11
Pancreas	15	23.58	25	38.85	43	66.91	35	58.65
Larynx	5	7.86	9	13.98	10	15.56	5	8.38
Lung	117	183.94	160	248.61	192	298.74	160	268.10
Connective tiss.	2	3.14	5	7.77	7	10.89	4	6.70
Melanoma	20	31.44	31	48.17	18	28.01	20	33.51
Breast	283	444.91	260	404.00	330	513.47	330	552.95
Cervix	11	17.29	6	9.32	8	12.45	14	23.46
Corpus	65	102.19	64	99.45	64	99.58	52	87.13
Ovary	16	25.15	29	45.06	50	77.80	36	60.32
Bladder	28	44.02	32	49.72	48	74.69	39	65.35
Kidney	16	25.15	19	29.52	37	57.57	21	35.19
Brain, CNS	10	15.72	8	12.43	17	26.45	13	21.78
Thyroid	14	22.01	14	21.75	6	9.34	9	15.08
Myeloma	5	7.86	10	15.54	9	14.00	13	21.78
Leukemia	10	15.72	7	10.88	17	26.45	22	36.86
Kaposi sarc.	0	.00	2	3.11	0	.00	1	1.68
Unknown	11	17.29	17	26.42	31	48.23	45	75.40

Females, 1999 Site	Age 80-84		Age 85+	
	No.	Rate	No.	Rate
-----				
All	973	2165.54	874	1929.91
Lymphoma: Hodgkin	2	4.45	1	2.21
Non-Hodgkin	41	91.25	43	94.95
Oral, pharynx	17	37.84	14	30.91
Esophagus	6	13.35	4	8.83
Stomach	24	53.42	30	66.24
Colon	139	309.36	164	362.13
Rectum	38	84.57	40	88.33
Liver	7	15.58	7	15.46
Gallbladder	7	15.58	4	8.83
Pancreas	42	93.48	34	75.08
Larynx	2	4.45	4	8.83
Lung	134	298.24	81	178.86
Connective tiss.	7	15.58	2	4.42
Melanoma	14	31.16	20	44.16
Breast	228	507.44	206	454.88
Cervix	8	17.81	4	8.83
Corpus	55	122.41	27	59.62
Ovary	25	55.64	22	48.58
Bladder	34	75.67	41	90.53
Kidney	20	44.51	12	26.50
Brain, CNS	6	13.35	4	8.83
Thyroid	4	8.90	4	8.83
Myeloma	11	24.48	7	15.46
Leukemia	19	42.29	18	39.75
Kaposi sarc.	0	.00	3	6.62
Unknown	48	106.83	50	110.41

<b>Females, 1999</b>	Cancers	ASR	Crude rate
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All	8990	387.96	532.20
Lymphoma: Hodgkin	53	2.94	3.14
Non-Hodgkin	354	14.90	20.96
Oral, pharynx	133	5.58	7.87
Esophagus	61	2.76	3.61
Stomach	134	4.80	7.93
Colon	849	30.97	50.26
Rectum	318	12.92	18.83
Liver	54	2.18	3.20
Gallbladder	48	1.90	2.84
Pancreas	217	8.11	12.85
Larynx	49	2.22	2.90
Lung	1079	46.58	63.88
Connective tissue	56	2.79	3.32
Melanoma	292	13.84	17.29
Breast	2865	128.60	169.60
Cervix	151	6.92	8.94
Corpus	525	24.43	31.08
Ovary	310	13.63	18.35
Bladder	274	11.06	16.22
Kidney	177	7.77	10.48
Brain, CNS	106	5.40	6.28
Thyroid	191	9.74	11.31
Myeloma	73	2.99	4.32
Leukemia	164	7.39	9.71
Kaposi sarcoma	6	.19	.36
Unknown	241	8.51	14.27

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ASR: Age-standardized rate per 100,000 (see Introduction).

APPENDIX. ICD-O-2 CODES

**Lymphomas:** Hodgkin's disease: Morphology codes 9650-9667

Non-Hodgkin's lymphoma: Morphology codes 9590-9595, 9670-9715

**Others (excludes lymphomas)**

ORAL, PHARYNX: C 000-149.

ESOPHAGUS: C 150-159.

STOMACH: C 160-169.

COLON: C 180-189.

RECTUM, ANUS: C 199, 209-218.

LIVER: C 220-221.

GALLBLADDER: C 239-249.

PANCREAS: C 250-259.

LARYNX: C 320-329.

TRACHEA, BRONCHUS, LUNG: C 339-349.

CONNECTIVE TISSUE: C 490-499.

MELANOMA OF SKIN: C 440-449, Morphology 8720-8799.

PROSTATE: C 619.

FEMALE BREAST: Sex female and C 500-509.

TESTIS: C 620-629.

CERVIX UTERUS: T 530-539.

UTERINE CORPUS, AND UTERUS NOT OTHERWISE

SPECIFIED: C 540-549. 559.

OVARY, ADJACENT STRUCTURES: C 569-578.

BLADDER: C 670-679.

KIDNEY, RENAL PELVIS, URETER: C 649-669.

BRAIN, CNS (CENTRAL NERVOUS SYSTEM) (BRAIN, CEREBRAL MENINGES,

CRANIAL NERVES): C 700-719, 723-725.

THYROID: C 739.

MULTIPLE MYELOMA: Morphology 9731-9732.

LEUKEMIA: Morphology 9800-9941.

KAPOSI'S SARCOMA: Morphology 9140.

UNKNOWN SITE: C 760-768, 800-809