Column

Age recode with <1 year olds

rigo rocodo with 11 year olds

Age recode with <1 year olds

Race recode (White, Black, Other)

Sex

Sex

Year of diagnosis

ICD-O-3 Hist/behav

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- ICD-O-3 Hist/behav
- Primary Site labeled

Primary Site - labeled

Filliary Site - tabeled

Time from diagnosis to treatment in days recode Time from diagnosis to treatment in days recode

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RX Summ--Surg/Rad Seq

Reason no cancer-directed surgery

Radiation recode

Chemotherapy recode (yes, no/unk)

Chemotherapy recode (yes, no/unk)

Mets at DX-Distant LN (2016+)

Mets at DX-Distant LN (2016+)

Mets at DX-Distant LN (2016+)

Mets at DX-Other (2016+)

Mets at DX-Other (2016+)

Mets at DX-Other (2016+)

Mets at DX-Other (2016+)

Survival months

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Survival months

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Survival months

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Survival months

Survival months

SEER cause-specific death classification

SEER cause-specific death classification

SEER cause-specific death classification

COD to site recode

OOD to site recode

COD to site recode

OOD to site recode

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COD to site recode

COD to site recode

Value		Count	Percentage
65-69 years		694	_
70-74 years		629	9.533191876
60-64 years		597	9.048196423
55-59 years		558	8.457108215
75-79 years		476	7.214307366
50-54 years		445	6.744468021
80-84 years		385	5.835101546
45-49 years		366	5.547135496
85+ years		357	5.410730524
40-44 years		321	4.86511064
35-39 years		286	4.334646863
15-19 years		273	4.13761746
30-34 years		256	3.879963625
10-14 years		233	3.531373143
25-29 years		229	3.470748712
20-24 years		190	2.879660503
05-09 years		136	2.061230676
01-04 years		99	1.500454683
00 years		68	1.030615338
White		4982	75.50772962
Other (American Indian/AK Native, Asian/Pacific Islander)		931	14.11033647
Black		608	9.21491361
Unknown		77	1.167020309
Male		3672	55.65322825
Female		2926	44.34677175
	2019	1138	17.2476508
	2021	1124	17.03546529
	2017	1119	16.95968475
	2016	1093	16.56562595
	2020	1091	16.53531373
	2018	1033	15.65625947
8802/3: Giant cell sarcoma		683	10.3516217
8890/3: Leiomyosarcoma, NOS			8.214610488
8811/3: Fibromyxosarcoma		448	6.789936344
8851/3: Liposarcoma, well differentiated		355	
9220/3: Chondrosarcoma, NOS			5.274325553
9180/3: Osteosarcoma, NOS		333	5.046983935
8801/3: Spindle cell sarcoma		279	
9120/3: Hemangiosarcoma		253	
8800/3: Sarcoma, NOS			3.834495302
8858/3: Dedifferentiated liposarcoma			3.470748712
9260/3: Ewing sarcoma		227	
8852/3: Myxoid liposarcoma		199	3.016065474

9370/3: Chordoma, NOS	170	2.576538345
9540/3: Malignant peripheral nerve sheath tumor	161	2.440133374
8832/3: Dermatofibrosarcoma, NOS	132	2.000606244
8805/3: Undifferentiated sarcoma	106	1.606547439
8850/3: Liposarcoma, NOS	106	1.606547439
8854/3: Pleomorphic liposarcoma	97	1.470142467
9041/3: Synovial sarcoma, spindle cell	82	1.242800849
9040/3: Synovial sarcoma, NOS	80	1.212488633
8840/3: Myxosarcoma	74	1.121551985
8830/3: Malignant fibrous histiocytoma	74	1.121551985
9231/3: Myxoid chondrosarcoma	70	1.060927554
9181/3: Chondroblastic osteosarcoma	67	1.01545923
8804/3: Epithelioid sarcoma	65	0.985147014
9364/3: Peripheral neuroectodermal tumor	56	0.848742043
8920/3: Alveolar rhabdomyosarcoma	55	0.833585935
8901/3: Pleomorphic rhabdomyosarcoma, adult type	53	0.803273719
8803/3: Small cell sarcoma	50	0.757805396
9043/3: Synovial sarcoma, biphasic	48	0.72749318
9500/3: Neuroblastoma, NOS	44	0.666868748
8910/3: Embryonal rhabdomyosarcoma, NOS	44	0.666868748
8815/3: Solitary fibrous tumor, malignant	42	0.636556532
9243/3: Dedifferentiated chondrosarcoma	41	0.621400424
8900/3: Rhabdomyosarcoma, NOS	34	0.515307669
8806/3: Desmoplastic small round cell tumor	28	0.424371022
9044/3: Clear cell sarcoma, NOS (except of kidney M-8964/3)	27	0.409214914
8912/3: Spindle cell rhabdomyosarcoma	25	0.378902698
9490/3: Ganglioneuroblastoma	24	0.36374659
8070/3: Squamous cell carcinoma, NOS	23	0.348590482
9581/3: Alveolar soft part sarcoma	22	0.333434374
9192/3: Parosteal osteosarcoma	22	0.333434374
9250/3: Giant cell tumor of bone, malignant	21	0.318278266
8810/3: Fibrosarcoma, NOS	20	0.303122158
8825/3: Myofibroblastoma, malignant	20	0.303122158
8982/3: Malignant myoepithelioma	20	0.303122158
9240/3: Mesenchymal chondrosarcoma	19	0.28796605
9186/3: Central osteosarcoma	19	0.28796605
9080/3: Teratoma, malignant, NOS	18	0.272809942
8855/3: Mixed liposarcoma	18	0.272809942
9133/3: Epithelioid hemangioendothelioma, malignant	16	0.242497727
9182/3: Fibroblastic osteosarcoma	14	0.212185511
9270/3: Odontogenic tumor, malignant	13	0.197029403
8000/3: Neoplasm, malignant	12	0.181873295
8963/3: Malignant rhabdoid tumor	12	0.181873295
8842/3: Ossifying fibromyxoid tumor, malignant	11	0.166717187

9561/3: MPNST with rhabdomyoblastic differentiation	11	0.166717187
8711/3: Glomus tumor, malignant	11	0.166717187
9252/3: Malignant tenosynovial giant cell tumor	10	0.151561079
8714/3: Perivascular epithelioid tumor, malignant	10	0.151561079
9137/3: Intimal sarcoma	10	0.151561079
8680/3: Paraganglioma, malignant	9	0.136404971
8033/3: Pseudosarcomatous carcinoma	9	0.136404971
9183/3: Telangiectatic osteosarcoma	9	0.136404971
8814/3: Infantile fibrosarcoma	9	0.136404971
8071/3: Squamous cell carcinoma, keratinizing, NOS	8	0.121248863
9194/3: High grade surface osteosarcoma	8	0.121248863
9560/3: Neurilemoma, malignant (OBS)	7	0.106092755
9261/3: Adamantinoma of long bones	7	0.106092755
9130/3: Hemangioendothelioma, malignant	7	0.106092755
9242/3: Clear cell chondrosarcoma	7	0.106092755
8896/3: Myxoid leiomyosarcoma	6	0.090936647
9150/3: Hemangiopericytoma, malignant	6	0.090936647
9371/3: Chondroid chordoma	6	0.090936647
8853/3: Round cell liposarcoma	6	0.090936647
8004/3: Malignant tumor, spindle cell type	6	0.090936647
8010/3: Carcinoma, NOS	5	0.07578054
9310/3: Ameloblastoma, malignant	5	0.07578054
9542/3: Epithelioid MPNST	5	0.07578054
8032/3: Spindle cell carcinoma, NOS	5	0.07578054
8693/3: Extra-adrenal paraganglioma, malignant	5	0.07578054
9187/3: Intraosseous well differentiated osteosarcoma	5	0.07578054
9193/3: Periosteal osteosarcoma	5	0.07578054
8240/3: Carcinoid tumor, NOS	4	0.060624432
9085/3: Mixed germ cell tumor	4	0.060624432
8710/3: Glomangiosarcoma	4	0.060624432
8936/3: Gastrointestinal stromal sarcoma	4	0.060624432
8249/3: Atypical carcinoid tumor	3	0.045468324
9473/3: Primitive neuroectodermal tumor	3	0.045468324
8408/3: Eccrine papillary adenocarcinoma	3	0.045468324
9251/3: Malignant giant cell tumor of soft parts	3	0.045468324
9071/3: Yolk sac tumor	3	0.045468324
8200/3: Adenoid cystic carcinoma	3	0.045468324
8980/3: Carcinosarcoma, NOS	3	0.045468324
9230/3: Chondroblastoma, malignant	2	0.030312216
8940/3: Mixed tumor, malignant, NOS	2	0.030312216
8690/3: Glomus jugulare tumor, malignant	2	0.030312216
8310/3: Clear cell adenocarcinoma, NOS	2	0.030312216
9571/3: Perineurioma, malignant	2	0.030312216
8380/3: Endometrioid carcinoma	2	0.030312216

9041/2: Small call carainama NOS	2	0.020212216
8041/3: Small cell carcinoma, NOS 8005/3: Malignant tumor, clear cell type	2	0.030312216 0.030312216
8480/3: Mucinous adenocarcinoma	2	0.030312216
8857/3: Fibroblastic liposarcoma	2	0.030312216
8260/3: Papillary adenocarcinoma, NOS	2	0.030312216
9391/3: Ependymoma, NOS	2	0.030312216
9184/3: Osteosarcoma in Paget disease of bone	2	0.030312216
9501/3: Medulloepithelioma, NOS	2	0.030312216
9221/3: Juxtacortical chondrosarcoma	2	0.030312216
8140/3: Adenocarcinoma, NOS	_	0.030312216
	1	
8021/3: Carcinoma, anaplastic, NOS 9064/3: Germinoma	_	0.015156108
9185/3: Small cell osteosarcoma	1	
	1	0.015156108
9580/3: Granular cell tumor, malignant		
8409/3: Eccrine poroma, malignant 9372/3: Dedifferentiated chordoma	1	
	1	0.01010100
8960/3: Nephroblastoma, NOS	1	
8022/3: Pleomorphic carcinoma	1	0.01010100
8836/3: Malignant angiomatoid fibrous histiocytoma	1	
9302/3: Ghost cell odontogenic carcinoma	1	
8074/3: Squamous cell carcinoma, spindle cell		0.015156108
8991/3: Embryonal sarcoma	1	
8921/3: Rhabdomyosarcoma with ganglionic differentiation	1	
9341/3: Clear cell odontogenic carcinoma	1	
8713/3: Glomangiomyoma, malignant		0.015156108
9421/3: Pilocytic astrocytoma, malignant	1	0.015156108
8247/3: Merkel cell carcinoma	1	0.015156108
8895/3: Myosarcoma	1	0.01010100
8082/3: Lymphoepithelial carcinoma	1	0.015156108
8550/3: Acinar cell carcinoma	1	0.015156108
8894/3: Angiomyosarcoma	1	0.015156108
9020/3: Phyllodes tumor, malignant	1	
8246/3: Neuroendocrine carcinoma, NOS	1	0.015156108
8410/3: Sebaceous adenocarcinoma	1	0.015156108
8821/3: Aggressive fibromatosis, malignant	1	
9170/3: Lymphangiosarcoma	1	
8090/3: Basal cell carcinoma, NOS	1	0.015156108
8003/3: Malignant tumor, giant cell type	1	0.015156108
C49.2-Conn, subcutaneous, other soft tis: lower limb, hip	1880	28.49348287
C49.1-Conn, subcutaneous, other soft tis: upr limb, shoulder	763	11.56411034
C49.5-Conn, subcutaneous, other soft tis: pelvis	550	8.335859351
C40.2-Long bones of lower limb and associated joints	480	7.274931798
C49.3-Conn, subcutaneous, other soft tis: thorax	425	6.441345862
C49.0-Conn, subcutaneous, other soft tis: head, face, neck	414	6.274628675

C49.4-Conn, subcutaneous, other soft tis: abdomen			5.850257654
C49.6-Conn, subcutaneous, other soft tis: trunk, NOS		321	4.86511064
C41.4-Pelvic bones, sacrum, coccyx and associated joints			3.728402546
C41.0-Bones of skull and face and associated joints			2.622006669
C40.0-Long bones: upper limb, scapula, and associated joints			2.349196726
C41.2-Vertebral column			2.061230676
C49.9-Conn, subcutaneous and other soft tissues, NOS			2.015762352
C41.3-Rib, sternum, clavicle and associated joints		122	
C41.1-Mandible		68	1.030615338
C38.0-Heart		39	0.591088209
C40.3-Short bones of lower limb and associated joints			0.500151561
C41.9-Bone, NOS			0.500151561
C47.1-Periph nerves & autonomic nerv sys: upr limb, shoulder		30	0.454683237
C40.1-Short bones of upper limb and associated joints		29	0.439527129
C47.2-Periph nerves & autonomic nerv sys: lower limb, hip		27	0.409214914
C47.3-Periph nerves & autonomic nerv sys: thorax		25	0.378902698
C47.0-Periph nerves & autonomic nerv sys: head, face, neck		24	0.36374659
C49.8-Overlap conn, subcutaneous, and other soft tissues		22	0.333434374
C47.9-Autonomic nervous system, NOS		19	0.28796605
C47.5-Periph nerves & autonomic nerv sys: pelvis		19	0.28796605
C47.4-Periph nerves & autonomic nerv sys: abdomen		16	0.242497727
C47.6-Periph nerves & autonomic nerv sys: trunk, NOS		13	0.197029403
C40.9-Bone of limb, NOS		8	0.121248863
C41.8-Overlap bones, joints, and art. cartilage		6	0.090936647
C47.8-Overlap of peripheral nerves and autonomic nerv sys		3	0.045468324
	0	2196	33.28281297
	21	116	1.758108518
	28	103	1.561079115
	27	100	1.515610791
	35	99	1.500454683
	20	94	1.424674144
	19	90	1.364049712
	22	88	1.333737496
	15	87	1.318581388
	29	86	1.30342528
	14	85	1.288269172
	13	85	1.288269172
	34	82	1.242800849
	30	79	1.197332525
	41	78	1.182176417
	42	75	1.136708093
	33	73	1.106395878
	32	73	1.106395878
	17	72	1.09123977

- 24 72 1.09123977
- 10 71 1.076083662
- 16 70 1.060927554
- 18 70 1.060927554
- 36 69 1.045771446
- 26 68 1.030615338
- 12 66 1.000303122
- 7 66 1.000303122
- 25 66 1.000303122
- 8 64 0.969990906
- 31 62 0.939678691
- 38 61 0.924522583
- 23 60 0.909366475
- 43 57 0.863898151
- 48 57 0.863898151
- 40 55 0.833585935
- 11 55 0.833585935
- 56 54 0.818429827
- 50 53 0.803273719
- 9 52 0.788117611
- 47 50 0.757805396
- 49 49 0.742649288
- 46 49 0.742649288
- 37 48 0.72749318
- 44 46 0.697180964
- 54 44 0.666868748
- 6 42 0.636556532
- 0 42 0.000000002
- 45 41 0.621400424
- 39 41 0.621400424
- 1 38 0.575932101
- 2 37 0.560775993

38 0.575932101

55

- 58 35 0.530463777
- 00 0.000 100777
- 5 35 0.530463777 62 33 0.500151561
- 77 31 0.469839345
- 53 31 0.469839345
- 4 30 0.454683237
- 3 30 0.454683237
- 52 30 0.454683237
- 51 28 0.424371022
- 59 27 0.409214914
- 61 27 0.409214914
- 63 26 0.394058806

113	4	0.060624432
134	4	0.060624432
144	4	0.060624432
102	4	0.060624432
171	4	0.060624432
123	4	0.060624432
108	4	0.060624432
118	4	0.060624432
94	4	0.060624432
133	4	0.060624432
107	4	0.060624432
205	3	0.045468324
152	3	0.045468324
120	3	0.045468324
114	3	0.045468324
122	3	0.045468324
140	3	0.045468324
124	3	0.045468324
100	3	0.045468324
135	3	0.045468324
131	3	0.045468324
174	3	0.045468324
139	3	0.045468324
95	3	0.045468324
155	3	0.045468324
112	3	0.045468324
142	3	0.045468324
237	2	0.030312216
128	2	0.030312216
117	2	0.030312216
161	2	0.030312216
203	2	0.030312216
158	2	0.030312216
115	2	0.030312216
153	2	0.030312216
225	2	0.030312216
137	2	0.030312216
129	2	0.030312216
111	2	0.030312216
156	2	0.030312216
169	2	0.030312216
138	2	0.030312216
185	2	0.030312216
154	2	0.030312216

188	1	0.015156108
240	1	0.015156108
326	1	0.015156108
248	1	0.015156108
243	1	0.015156108
258	1	0.015156108
316	1	0.015156108
199	1	0.015156108
406	1	0.015156108
149	1	0.015156108
295	1	0.015156108
364	1	0.015156108
289	1	0.015156108
432	1	0.015156108
302	1	0.015156108
388	1	0.015156108
193	1	0.015156108
143	1	0.015156108
194	1	0.015156108
157	1	0.015156108
162	1	0.015156108
151	1	0.015156108
148	1	0.015156108
223	1	0.015156108
150	1	0.015156108
159	1	0.015156108
146	1	0.015156108
222	1	0.015156108
220	1	0.015156108
172	1	0.015156108
167	1	0.015156108
212	1	0.015156108
127	1	0.015156108
181	1	0.015156108
224	1	0.015156108
187	1	0.015156108
269	1	0.015156108
145	1	0.015156108
141	1	0.015156108
168	1	0.015156108
365	1	0.015156108
395	1	0.015156108
180	1	0.015156108
344	1	0.015156108

1	163	1	0.015156108
175 176 177	251	1	0.015156108
10.15156108 17	211	1	0.015156108
178	175	1	0.015156108
10.15156108 10.15156108	585	1	0.015156108
1	178	1	0.015156108
A31	306	1	0.015156108
1911 1912 1913 1914 1915 1916 1917 1916 1916 1917 1916 1917 1916 1917 1916 1917	262	1	0.015156108
191 0.015156108 260 1.0 0.015156108 260 1.0 0.015156108 260 1.0 0.015156108 260 1.0 0.015156108 260 1.0 0.015156108 260	431	1	0.015156108
260 1.0 0.015156108 239 1.0 0.015156108 239 1.0 0.015156108 100 1.0 0.015156108 177 1.0 0.015156108 213 1.0 0.015156108 219 1.0 0.015156108 459 1.0 0.015156108 No radiation and/or no surgery; unknown if surgery and/or radiation given 4346 65.86844498 Radiation after surgery 1293 1293 19.59684753 Radiation prior to surgery 785 11.89754471 18.0 18.0554373 Radiation before and after surgery 63 9.59483479 18.0 18.0554373 18.0 Surgery both before and after surgery 55 0.533358935 18.0	345	1	0.015156108
239 1.0 0.015156108 106 1.0 0.015156108 177 1.0 0.015156108 177 1.0 0.015156108 213 1.0 0.015156108 197 1.0 0.015156108 198 1.0 0.015156108 199 1.0 0.015156108 199 1.0 0.015156108 199 1.0 0.015156108 199 1.0 0.015156108 199 1.0 0.015156108 199 1.0 0.015156108 199 1.0 0.015156108 199 1.0 0.015156108 199 1.0 0.055484498 199 1.0 0.05484498 199 1.0 0.05484498 190 0.05484479 0.05484498 190 0.05484479 0.05484479 190 0.05484479 0.05484349 190 0.05484349 0.05484349 190 0.05484349 0.05484349 100 0.05484349 0.05484349	191	1	0.015156108
106 1 0.015156108 177 1 0.015156108 178 1 0.015156108 213 1 0.015156108 197 1 0.015156108 198 1 0.015156108 291 1 0.015156108 No radiation and/or no surgery; unknown if surgery and/or radiation given 4349 65.86844498 Radiation after surgery 1293 19.59684753 Radiation before and after surgery 785 11.89754471 Radiation before and after surgery 63 0.954834798 Surgery both before and after radiation 55 0.833585935 Intraoperative rad with other rad before/after surgery 35 0.53046377 Intraoperative radiation 20 0.303122158 Sequence unknown, but both were given 574 84.4801455 Not recommended 577 84.4801455 Not recommended, contraindicated due to other cond; autopsy only (1973-2002) 57 0.863898151 Recommended but not performed, patient refused 29 0.303122158 Recommended, unknown if performed 20 0.303122158	260	1	0.015156108
177 0.015156108 1213 1.015156108 1213 1.015156108 1214 1.015156108 1215 1.015156108 1215 1.015156108 1215 1.015156108 1215 1.015156108 1215 1.015156108 1.0156108	239	1	0.015156108
1	106	1	0.015156108
197 1 0.015156108 291 1 0.015156108 450 1 0.015156108 No radiation and/or no surgery; unknown if surgery and/or radiation given 4346 65.86844498 Radiation after surgery 1293 19.59684753 Radiation prior to surgery 785 11.89754471 Radiation before and after surgery 63 0.954834798 Surgery both before and after radiation 55 0.833585935 Intraoperative rad with other rad before/after surgery 35 0.530463777 Intraoperative radiation 20 0.303122158 Sequence unknown, but both were given 1 0.015156108 Surgery performed 574 84.4801455 Not recommended, contraindicated due to other cond; autopsy only (1973-2002) 57 0.863898151 Recommended but not performed, patient refused 20 0.303122158 Recommended, unknown if performed 20 0.303122158 Recommended but not performed, unknown reason 11 0.166717187 Not performed, patient died prior to recommended surgery 5 0.07578054 Unknown; death certificate; or autopsy only (2003+) <td>177</td> <td>1</td> <td>0.015156108</td>	177	1	0.015156108
291 1 0.015156108 No radiation and/or no surgery; unknown if surgery and/or radiation given 4346 65.86844498 Radiation after surgery 1293 19.59684753 Radiation prior to surgery 785 11.89754471 Radiation before and after surgery 63 0.954834798 Surgery both before and after radiation 55 0.833585935 Intraoperative rad with other rad before/after surgery 35 0.530463777 Intraoperative radiation 20 0.303122158 Sequence unknown, but both were given 1 0.015156108 Surgery performed 574 84.4801455 Not recommended, contraindicated due to other cond; autopsy only (1973-2002) 57 0.863898151 Recommended but not performed, patient refused 29 0.439527129 Recommended, unknown if performed 20 0.303122158 Recommended but not performed, unknown reason 11 0.166717187 Not performed, patient died prior to recommended surgery 55 0.07578054 Unknown; death certificate; or autopsy only (2003+) 10 0.015156108	213	1	0.015156108
No radiation and/or no surgery; unknown if surgery and/or radiation given 454 65.86844498 Radiation after surgery 1293 19.59684753 Radiation prior to surgery 785 11.89754471 Radiation before and after surgery 63 0.954834798 Surgery both before and after radiation 55 0.833585935 Intraoperative rad with other rad before/after surgery 35 0.530463777 Intraoperative radiation 20 0.303122158 Sequence unknown, but both were given 1 0.015156108 Surgery performed 5574 84.4801455 Not recommended, contraindicated due to other cond; autopsy only (1973-2002) 57 0.863898151 Recommended but not performed, patient refused 29 0.439527129 Recommended but not performed, unknown reason 21 0.166717187 Not performed, patient died prior to recommended surgery 5 0.07578054 Unknown; death certificate; or autopsy only (2003+) 5 0.07578054	197	1	0.015156108
No radiation and/or no surgery; unknown if surgery and/or radiation given 4346 65.86844498 Radiation after surgery 1293 19.59684753 Radiation prior to surgery 785 11.89754471 Radiation before and after surgery 63 0.954834798 Surgery both before and after radiation 55 0.833585935 Intraoperative rad with other rad before/after surgery 35 0.530463777 Intraoperative radiation 20 0.303122158 Sequence unknown, but both were given 1 0.015156108 Surgery performed 5574 84.4801455 Not recommended 901 13.65565323 Not recommended, contraindicated due to other cond; autopsy only (1973-2002) 57 0.863898151 Recommended but not performed, patient refused 29 0.439527129 Recommended but not performed, unknown reason 11 0.166717187 Not performed, patient died prior to recommended surgery 5 0.07578054 Unknown; death certificate; or autopsy only (2003+) 1 0.015156108	291	1	0.015156108
Radiation after surgery 1293 19.59684753 Radiation prior to surgery 785 11.89754471 Radiation before and after surgery 63 0.954834798 Surgery both before and after radiation 55 0.833585935 Intraoperative rad with other rad before/after surgery 35 0.530463777 Intraoperative radiation 20 0.303122158 Sequence unknown, but both were given 1 0.015156108 Surgery performed 5574 84.4801455 Not recommended, contraindicated due to other cond; autopsy only (1973-2002) 57 0.863898151 Recommended but not performed, patient refused 29 0.439527129 Recommended, unknown if performed 20 0.303122158 Recommended but not performed, unknown reason 11 0.166717187 Not performed, patient died prior to recommended surgery 5 0.07578054 Unknown; death certificate; or autopsy only (2003+) 1 0.015156108	459	1	0.015156108
Radiation after surgery 1293 19.59684753 Radiation prior to surgery 785 11.89754471 Radiation before and after surgery 63 0.954834798 Surgery both before and after radiation 55 0.833585935 Intraoperative rad with other rad before/after surgery 35 0.530463777 Intraoperative radiation 20 0.303122158 Sequence unknown, but both were given 1 0.015156108 Surgery performed 5574 84.4801455 Not recommended, contraindicated due to other cond; autopsy only (1973-2002) 57 0.863898151 Recommended but not performed, patient refused 29 0.439527129 Recommended, unknown if performed 20 0.303122158 Recommended but not performed, unknown reason 11 0.166717187 Not performed, patient died prior to recommended surgery 5 0.07578054 Unknown; death certificate; or autopsy only (2003+) 1 0.015156108	No radiation and/or no surgery; unknown if surgery and/or radiation given	4346	65.86844498
Radiation before and after surgery 63 0.954834798 Surgery both before and after radiation 55 0.833585935 Intraoperative rad with other rad before/after surgery 35 0.530463777 Intraoperative radiation 20 0.303122158 Sequence unknown, but both were given 1 0.015156108 Surgery performed 5574 84.4801455 Not recommended 901 13.65565323 Not recommended, contraindicated due to other cond; autopsy only (1973-2002) 57 0.863898151 Recommended but not performed, patient refused 29 0.439527129 Recommended, unknown if performed 20 0.303122158 Recommended but not performed, unknown reason 11 0.166717187 Not performed, patient died prior to recommended surgery 5 0.07578054 Unknown; death certificate; or autopsy only (2003+) 1 0.015156108		1293	19.59684753
Radiation before and after surgery 63 0.954834798 Surgery both before and after radiation 55 0.833585935 Intraoperative rad with other rad before/after surgery 35 0.530463777 Intraoperative radiation 20 0.303122158 Sequence unknown, but both were given 1 0.015156108 Surgery performed 5574 84.4801455 Not recommended 901 13.65565323 Not recommended, contraindicated due to other cond; autopsy only (1973-2002) 57 0.863898151 Recommended but not performed, patient refused 29 0.439527129 Recommended, unknown if performed 20 0.303122158 Recommended but not performed, unknown reason 11 0.166717187 Not performed, patient died prior to recommended surgery 5 0.07578054 Unknown; death certificate; or autopsy only (2003+) 1 0.015156108	Radiation prior to surgery	785	11.89754471
Surgery both before and after radiation 55 0.833585935 Intraoperative rad with other rad before/after surgery 35 0.530463777 Intraoperative radiation 20 0.303122158 Sequence unknown, but both were given 1 0.015156108 Surgery performed 5574 84.4801455 Not recommended 901 13.65565323 Not recommended, contraindicated due to other cond; autopsy only (1973-2002) 57 0.863898151 Recommended but not performed, patient refused 29 0.439527129 Recommended, unknown if performed 20 0.303122158 Recommended but not performed, unknown reason 11 0.166717187 Not performed, patient died prior to recommended surgery 5 0.07578054 Unknown; death certificate; or autopsy only (2003+) 1 0.015156108		63	0.954834798
Intraoperative rad with other rad before/after surgery350.530463777Intraoperative radiation200.303122158Sequence unknown, but both were given10.015156108Surgery performed557484.4801455Not recommended90113.65565323Not recommended, contraindicated due to other cond; autopsy only (1973-2002)570.863898151Recommended but not performed, patient refused290.439527129Recommended, unknown if performed200.303122158Recommended but not performed, unknown reason110.166717187Not performed, patient died prior to recommended surgery50.07578054Unknown; death certificate; or autopsy only (2003+)10.015156108		55	0.833585935
Intraoperative radiation200.303122158Sequence unknown, but both were given10.015156108Surgery performed557484.4801455Not recommended90113.65565323Not recommended, contraindicated due to other cond; autopsy only (1973-2002)570.863898151Recommended but not performed, patient refused290.439527129Recommended, unknown if performed200.303122158Recommended but not performed, unknown reason110.166717187Not performed, patient died prior to recommended surgery50.07578054Unknown; death certificate; or autopsy only (2003+)10.015156108		35	0.530463777
Sequence unknown, but both were given10.015156108Surgery performed557484.4801455Not recommended90113.65565323Not recommended, contraindicated due to other cond; autopsy only (1973-2002)570.863898151Recommended but not performed, patient refused290.439527129Recommended, unknown if performed200.303122158Recommended but not performed, unknown reason110.166717187Not performed, patient died prior to recommended surgery50.07578054Unknown; death certificate; or autopsy only (2003+)10.015156108		20	0.303122158
Surgery performed557484.4801455Not recommended90113.65565323Not recommended, contraindicated due to other cond; autopsy only (1973-2002)570.863898151Recommended but not performed, patient refused290.439527129Recommended, unknown if performed200.303122158Recommended but not performed, unknown reason110.166717187Not performed, patient died prior to recommended surgery50.07578054Unknown; death certificate; or autopsy only (2003+)10.015156108	•	1	0.015156108
Not recommended90113.65565323Not recommended, contraindicated due to other cond; autopsy only (1973-2002)570.863898151Recommended but not performed, patient refused290.439527129Recommended, unknown if performed200.303122158Recommended but not performed, unknown reason110.166717187Not performed, patient died prior to recommended surgery50.07578054Unknown; death certificate; or autopsy only (2003+)10.015156108		5574	84.4801455
Not recommended, contraindicated due to other cond; autopsy only (1973-2002)570.863898151Recommended but not performed, patient refused290.439527129Recommended, unknown if performed200.303122158Recommended but not performed, unknown reason110.166717187Not performed, patient died prior to recommended surgery50.07578054Unknown; death certificate; or autopsy only (2003+)10.015156108		901	
Recommended but not performed, patient refused290.439527129Recommended, unknown if performed200.303122158Recommended but not performed, unknown reason110.166717187Not performed, patient died prior to recommended surgery50.07578054Unknown; death certificate; or autopsy only (2003+)10.015156108		57	0.863898151
Recommended, unknown if performed200.303122158Recommended but not performed, unknown reason110.166717187Not performed, patient died prior to recommended surgery50.07578054Unknown; death certificate; or autopsy only (2003+)10.015156108			
Recommended but not performed, unknown reason110.166717187Not performed, patient died prior to recommended surgery50.07578054Unknown; death certificate; or autopsy only (2003+)10.015156108		20	0.303122158
Not performed, patient died prior to recommended surgery 5 0.07578054 Unknown; death certificate; or autopsy only (2003+) 1 0.015156108	·	11	
Unknown; death certificate; or autopsy only (2003+) 1 0.015156108		5	0.07578054
	· · · · · · · · · · · · · · · · · · ·	1	0.015156108
		3682	55.80478933
Beam radiation 2741 41.54289179	Beam radiation	2741	41.54289179
Recommended, unknown if administered 72 1.09123977		72	
Refused (1988+) 63 0.954834798	Refused (1988+)	63	0.954834798
Radiation, NOS method or source not specified 13 0.197029403	• • •	13	0.197029403
Combination of beam with implants or isotopes 13 0.197029403		13	
Radioactive implants (includes brachytherapy) (1988+) 11 0.166717187		11	
Radioisotopes (1988+) 3 0.045468324		3	
No/Unknown 4604 69.77872082	,	4604	

Yes		1994	30.22127918
None; no lymph node metastases			96.98393453
Yes; distant lymph node metastases			1.924825705
Unknown		72	1.09123977
None; no other metastases		6259	94.86207942
Yes; distant mets in known site(s) other than bone, brain, liver, lung, dist LN		259	3.925431949
Unknown		73	1.106395878
generalized metastases such as carinomatosis		7	0.106092755
	3	195	2.955441043
	2	194	2.940284935
	6	188	2.849348287
	1	173	2.622006669
	4	168	2.546226129
	8	167	2.531070021
	7	160	2.424977266
	14	158	2.39466505
	11	155	2.349196726
	0	150	2.273416187
	5	145	2.197635647
	9	143	2.167323431
	13	142	2.152167323
	10	136	2.061230676
	12	134	2.03091846
	17	131	1.985450136
	16	130	1.970294028
	15	124	1.879357381
	29		1.773264626
	18	110	1.66717187
	27		1.591391331
	23	101	
	25	100	1.515610791
	21	97	1.470142467
	19	96	1.45498636
	20	95	1.439830252
	30	94	1.424674144
	31	93	1.409518036
	28	90	1.364049712
	22 34	89 87	1.348893604 1.318581388
	34 26	87 87	1.318581388
	38	83	1.257956957
	30 40	81	1.227644741
	33	77	1.167020309
	24	77 75	1.136708093
	∠4	, 5	1.100/00000

	02	, _	1.00120077
	32	71	1.076083662
	39	69	1.045771446
	54	68	1.030615338
	37	68	1.030615338
	41	68	1.030615338
	35	68	1.030615338
	47	67	1.01545923
	51	65	0.985147014
	60	65	0.985147014
	45	64	0.969990906
	43	63	0.954834798
	64	63	0.954834798
	49	62	0.939678691
	63	62	0.939678691
	59	61	0.924522583
	48	61	0.924522583
	56	60	0.909366475
	55	59	0.894210367
	67	58	0.879054259
	57	58	0.879054259
	53	57	0.863898151
	69	57	0.863898151
	66	56	0.848742043
	50	55	0.833585935
	42	55	0.833585935
	68	55	0.833585935
	70	55	0.833585935
	62	55	0.833585935
	36	54	0.818429827
	44	53	0.803273719
	46	51	0.772961503
	61	49	0.742649288
	58	46	0.697180964
	71	42	0.636556532
	65	36	0.545619885
Alive or dead of other cause		5285	80.10003031
Dead (attributable to this cancer dx)		1266	19.18763262
Dead (missing/unknown COD)		47	0.712337072
Alive		4857	73.61321613
Soft Tissue including Heart		776	11.76113974
Bones and Joints		247	3.743558654
Miscellaneous Malignant Cancer		166	2.515913913
Diseases of Heart		73	1.106395878

52 72 1.09123977

Other Cause of Death	73	1.106395878
Lung and Bronchus	57	0.863898151
State DC not available or state DC available but no COD	47	0.712337072
Breast	22	0.333434374
In situ, benign or unknown behavior neoplasm	19	0.28796605
Prostate	16	0.242497727
Chronic Obstructive Pulmonary Disease and Allied Cond	14	0.212185511
Retroperitoneum	14	0.212185511
Non-Melanoma Skin	12	0.181873295
Cerebrovascular Diseases	11	0.166717187
Uterus, NOS	11	0.166717187
Septicemia	10	0.151561079
Brain and Other Nervous System	9	0.136404971
Kidney and Renal Pelvis	9	0.136404971
Accidents and Adverse Effects	9	0.136404971
Alzheimers (ICD-9 and 10 only)	8	0.121248863
Pancreas	7	0.106092755
Melanoma of the Skin	7	0.106092755
Diabetes Mellitus	7	0.106092755
Colon excluding Rectum	7	0.106092755
Acute Myeloid Leukemia	6	0.090936647
Other Infectious and Parasitic Diseases including HIV	6	0.090936647
Pneumonia and Influenza	6	0.090936647
Nephritis, Nephrotic Syndrome and Nephrosis	6	0.090936647
Hypertension without Heart Disease	5	0.07578054
Other Endocrine including Thymus	5	0.07578054
Urinary Bladder	5	0.07578054
Trachea, Mediastinum and Other Respiratory Organs	5	0.07578054
Gum and Other Mouth	5	0.07578054
Stomach	4	0.060624432
Peritoneum, Omentum and Mesentery	4	0.060624432
Congenital Anomalies	4	0.060624432
Ovary	4	0.060624432
Suicide and Self-Inflicted Injury	3	0.045468324
Liver	3	0.045468324
Other Diseases of Arteries, Arterioles, Capillaries	3	0.045468324
Chronic Lymphocytic Leukemia	3	0.045468324
Myeloma	3	0.045468324
Symptoms, Signs and Ill-Defined Conditions	3	0.045468324
Nasopharynx	2	0.030312216
Nose, Nasal Cavity and Middle Ear	2	0.030312216
Small Intestine	2	0.030312216
Thyroid	2	0.030312216
Non-Hodgkin Lymphoma	2	0.030312216

Vulva	2	0.03031223
Testis	2	0.0303122
Other Male Genital Organs	2	0.0303122
Cervix Uteri	1	0.0151561
Penis	1	0.0151561
Rectum and Rectosigmoid Junction	1	0.0151561
Pleura	1	0.0151561
Stomach and Duodenal Ulcers	1	0.0151561
Homicide and Legal Intervention	1	0.0151561
Aortic Aneurysm and Dissection	1	0.0151561
Atherosclerosis	1	0.0151561
Chronic Myeloid Leukemia	1	0.0151561
Esophagus	1	0.0151561
Corpus Uteri	1	0.0151561