

Wakefield

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	16.87	22	130	Male	11.07	17	154
Female	7.41	1	NC*	Female	9.10	13	143
Total	24.28	23	95	Total	20.17	30	149 #+
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	4.89	5	102	Male	3.27	2	NC*
Female	4.29	6	140	Female	3.25	1	NC*
Total	9.18	11	120	Total	6.53	3	NC*
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.79	0	NC*	Male	13.40	18	134
Female	109.91	129	117	Female	13.61	14	103
Total	110.70	129	117	Total	27.01	32	118
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	5.96	8	134	Male	10.31	7	68
				Female	5.57	4	NC*
				Total	15.89	11	69
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	41.80	29	69 #-	Female	12.73	15	118
Female	46.68	38	81				
Total	88.48	67	76 #-				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	5.97	7	117	Male	7.03	8	114
Female	2.27	4	NC*	Female	8.54	10	117
Total	8.25	11	133	Total	15.57	18	116
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	2.43	1	NC*	Male	103.42	115	111
Female	2.01	3	NC*				
Total	4.45	4	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	9.78	8	82	Male	7.08	6	85
Female	6.80	9	132	Female	5.07	6	118
Total	16.59	17	102	Total	12.15	12	99
<u>Larynx</u>				<u>Testis</u>			
Male	5.58	5	90	Male	3.68	6	163
Female	1.53	0	NC*				
Total	7.11	5	70				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	7.81	11	141	Male	2.17	4	NC*
Female	6.80	5	73	Female	5.97	6	100
Total	14.61	16	109	Total	8.14	10	123
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	3.80	3	NC*	Female	21.23	19	89
Female	1.84	2	NC*				
Total	5.64	5	89				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	52.93	56	106	Male	336.84	356	106
Female	47.15	39	83	Female	354.36	360	102
Total	100.09	95	95	Total	691.20	716	104

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the $p \leq 0.05$ level

~ indicates statistical significance at the $p \leq 0.01$ level, as well as at the $p \leq 0.05$ level

^ indicates statistical significance at the $p \leq 0.001$ level, as well as at the $p \leq 0.05$ and $p \leq 0.01$ levels

Wales

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	0.83	1	NC*	Male	0.65	1	NC*
Female	0.25	1	NC*	Female	0.47	2	NC*
Total	1.08	2	NC*	Total	1.12	3	NC*
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.31	0	NC*	Male	0.18	1	NC*
Female	0.22	1	NC*	Female	0.13	1	NC*
Total	0.53	1	NC*	Total	0.30	2	NC*
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.04	0	NC*	Male	0.76	0	NC*
Female	5.44	0	NC*	Female	0.56	1	NC*
Total	5.48	0	NC*	Total	1.33	1	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	0.35	0	NC*	Male	0.64	0	NC*
				Female	0.25	1	NC*
				Total	0.89	1	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	2.10	2	NC*	Female	0.65	1	NC*
Female	1.56	1	NC*				
Total	3.65	3	NC*				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.34	2	NC*	Male	0.37	0	NC*
Female	0.07	0	NC*	Female	0.29	0	NC*
Total	0.42	2	NC*	Total	0.66	0	NC*
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	0.16	0	NC*	Male	5.62	2	NC*
Female	0.12	0	NC*				
Total	0.28	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	0.58	1	NC*	Male	0.36	2	NC*
Female	0.30	0	NC*	Female	0.17	3	NC*
Total	0.88	1	NC*	Total	0.53	5	944 ^+
<u>Larynx</u>				<u>Testis</u>			
Male	0.33	1	NC*	Male	0.24	0	NC*
Female	0.07	0	NC*				
Total	0.41	1	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	0.44	0	NC*	Male	0.14	0	NC*

Female	0.30	0	NC*	Female	0.37	0	NC*
Total	0.75	0	NC*	Total	0.52	0	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.22	0	NC*	Female	1.04	0	NC*
Female	0.07	0	NC*				
Total	0.29	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	2.82	5	177	Male	18.35	19	104
Female	1.97	4	NC*	Female	15.67	16	102
Total	4.79	9	188	Total	34.02	35	103

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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Walpole

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	13.95	16	115	Male	10.09	16	159
Female	4.75	6	126	Female	7.03	10	142
Total	18.70	22	118	Total	17.12	26	152
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	4.66	8	172	Male	2.82	1	NC*
Female	3.39	4	NC*	Female	2.26	3	NC*
Total	8.06	12	149	Total	5.08	4	NC*
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.69	0	NC*	Male	12.03	13	108
Female	84.87	106	125 #+	Female	9.62	7	73
Total	85.56	106	124 #+	Total	21.65	20	92
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	4.92	7	142	Male	9.51	11	116
				Female	4.09	8	196
				Total	13.60	19	140
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	35.16	41	117	Female	9.93	12	121
Female	29.64	28	94				
Total	64.80	69	106				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	5.32	7	132	Male	6.03	5	83
Female	1.44	2	NC*	Female	5.56	5	90
Total	6.77	9	133	Total	11.59	10	86
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	2.45	3	NC*	Male	92.00	120	130 ~+
Female	1.65	1	NC*				

Total	4.11	4	NC*
<u>Kidney and Renal Pelvis</u>			
Male	8.84	7	79
Female	5.01	5	100
Total	13.85	12	87
<u>Larynx</u>			
Male	5.10	2	NC*
Female	1.20	3	NC*
Total	6.31	5	79
<u>Leukemia</u>			
Male	6.91	4	NC*
Female	4.89	8	164
Total	11.81	12	102
<u>Liver and Intrahepatic Bile Ducts</u>			
Male	3.44	4	NC*
Female	1.24	0	NC*
Total	4.67	4	NC*
<u>Lung and Bronchus</u>			
Male	46.31	41	89
Female	34.57	34	98
Total	80.88	75	93

<u>Stomach</u>			
Male	5.93	5	84
Female	3.16	0	NC*
Total	9.09	5	55
<u>Testis</u>			
Male	3.89	2	NC*
<u>Thyroid</u>			
Male	2.15	3	NC*
Female	5.04	6	119
Total	7.19	9	125
<u>Uteri, Corpus and Uterus, NOS</u>			
Female	16.59	16	96
<u>All Sites / Types</u>			
Male	296.95	337	113 #+
Female	258.54	285	110
Total	555.49	622	112 ~+

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Waltham

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	33.05	32	97	Male	23.12	26	112
Female	14.64	9	61	Female	19.49	6	31 ^-
Total	47.69	41	86	Total	42.61	32	75
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	10.57	14	132	Male	6.40	8	125
Female	9.08	11	121	Female	6.40	6	94
Total	19.65	25	127	Total	12.81	14	109
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	1.55	2	NC*	Male	28.07	29	103
Female	223.87	233	104	Female	27.68	20	72
Total	225.43	235	104	Total	55.75	49	88
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	13.52	12	89	Male	20.68	30	145
				Female	11.22	10	89
				Total	31.90	40	125

<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	82.43	92	112	Female	26.37	28	106
Female	92.12	96	104				
Total	174.55	188	108				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	11.72	13	111	Male	13.84	12	87
Female	4.48	5	112	Female	16.87	8	47 #-
Total	16.20	18	111	Total	30.71	20	65
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	6.08	4	NC*	Male	202.61	226	112
Female	4.84	4	NC*				
Total	10.92	8	73				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	19.59	21	107	Male	13.95	18	129
Female	13.66	14	102	Female	10.11	7	69
Total	33.25	35	105	Total	24.06	25	104
<u>Larynx</u>				<u>Testis</u>			
Male	11.00	7	64	Male	10.28	15	146
Female	3.03	1	NC*				
Total	14.03	8	57				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	16.07	12	75	Male	5.01	9	180
Female	13.91	12	86	Female	14.04	19	135
Total	29.98	24	80	Total	19.04	28	147
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	7.60	8	105	Female	42.30	45	106
Female	3.65	7	192				
Total	11.25	15	133				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	104.38	104	100	Male	674.75	731	108 #+
Female	93.29	112	120	Female	718.06	720	100
Total	197.67	216	109	Total	1392.80	1451	104

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Ware

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	6.40	8	125	Male	4.30	2	NC*
Female	2.95	1	NC*	Female	3.62	1	NC*
Total	9.35	9	96	Total	7.92	3	NC*
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			

Male	1.93	1	NC*
Female	1.75	2	NC*
Total	3.68	3	NC*
Breast			
Male	0.30	0	NC*
Female	43.71	36	82
Total	44.01	36	82
Cervix Uteri			
Female	2.37	3	NC*
Colon / Rectum			
Male	15.89	16	101
Female	18.61	19	102
Total	34.49	35	101
Esophagus			
Male	2.29	2	NC*
Female	0.91	0	NC*
Total	3.19	2	NC*
Hodgkin's Disease (Hodgkin Lymphoma)			
Male	0.98	1	NC*
Female	0.82	1	NC*
Total	1.80	2	NC*
Kidney and Renal Pelvis			
Male	3.80	5	132
Female	2.73	1	NC*
Total	6.53	6	92
Larynx			
Male	2.15	4	NC*
Female	0.61	0	NC*
Total	2.77	4	NC*
Leukemia			
Male	3.05	3	NC*
Female	2.74	4	NC*
Total	5.79	7	121
Liver and Intrahepatic Bile Ducts			
Male	1.47	1	NC*
Female	0.74	1	NC*
Total	2.20	2	NC*
Lung and Bronchus			
Male	20.27	20	99
Female	19.03	15	79
Total	39.30	35	89

Male	1.26	0	NC*
Female	1.30	1	NC*
Total	2.56	1	NC*
Non-Hodgkin('s) Lymphoma			
Male	5.19	3	NC*
Female	5.47	2	NC*
Total	10.66	5	47
Oral Cavity and Pharynx			
Male	3.99	3	NC*
Female	2.22	4	NC*
Total	6.21	7	113
Ovary			
Female	5.08	4	NC*
Pancreas			
Male	2.67	1	NC*
Female	3.41	2	NC*
Total	6.08	3	NC*
Prostate			
Male	39.42	35	89
Stomach			
Male	2.68	2	NC*
Female	2.01	1	NC*
Total	4.69	3	NC*
Testis			
Male	1.49	1	NC*
Thyroid			
Male	0.85	2	NC*
Female	2.39	2	NC*
Total	3.24	4	NC*
Uteri, Corpus and Uterus, NOS			
Female	8.47	16	189 #+
All Sites / Types			
Male	129.13	121	94
Female	141.53	131	93
Total	270.66	252	93

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Wareham

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	14.50	20	138	Male	9.10	11	121
Female	5.93	7	118	Female	7.30	9	123
Total	20.43	27	132	Total	16.40	20	122
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	4.00	8	200	Male	2.75	2	NC*
Female	3.49	5	143	Female	2.61	2	NC*
Total	7.49	13	174	Total	5.36	4	NC*
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.66	2	NC*	Male	11.14	8	72
Female	88.38	86	97	Female	10.95	8	73
Total	89.04	88	99	Total	22.09	16	72
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	4.78	7	147	Male	8.45	12	142
				Female	4.48	10	223 #+
				Total	12.93	22	170 #+
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	35.71	37	104	Female	10.25	13	127
Female	37.32	37	99				
Total	73.03	74	101				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	4.99	4	NC*	Male	5.98	10	167
Female	1.82	1	NC*	Female	6.85	7	102
Total	6.80	5	73	Total	12.83	17	133
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	1.94	1	NC*	Male	86.67	90	104
Female	1.63	1	NC*				
Total	3.57	2	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	8.06	13	161	Male	6.07	5	82
Female	5.49	4	NC*	Female	4.04	3	NC*
Total	13.55	17	125	Total	10.11	8	79
<u>Larynx</u>				<u>Testis</u>			
Male	4.58	9	196	Male	2.83	2	NC*
Female	1.24	3	NC*				
Total	5.82	12	206 #+				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	6.59	4	NC*	Male	1.71	2	NC*
Female	5.51	6	109	Female	4.79	4	NC*
Total	12.10	10	83	Total	6.50	6	92
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	3.14	0	NC*	Female	17.13	14	82
Female	1.48	3	NC*				
Total	4.62	3	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	44.45	66	148 ~+	Male	282.58	322	114 #+
Female	38.11	48	126	Female	284.90	302	106

Total 82.56 114 138 ~+ Total 567.48 624 110 #+

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Warren

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	2.95	4	NC*	Male	2.02	2	NC*
Female	1.11	0	NC*	Female	1.53	0	NC*
Total	4.06	4	NC*	Total	3.55	2	NC*
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.93	0	NC*	Male	0.58	0	NC*
Female	0.74	0	NC*	Female	0.51	2	NC*
Total	1.67	0	NC*	Total	1.09	2	NC*
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.14	0	NC*	Male	2.44	1	NC*
Female	18.31	9	49 #-	Female	2.16	3	NC*
Total	18.46	9	49 #-	Total	4.60	4	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	1.05	1	NC*	Male	1.89	0	NC*
				Female	0.90	2	NC*
				Total	2.79	2	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	7.37	8	109	Female	2.14	0	NC*
Female	6.97	8	115				
Total	14.34	16	112				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	1.08	1	NC*	Male	1.25	1	NC*
Female	0.34	0	NC*	Female	1.29	0	NC*
Total	1.42	1	NC*	Total	2.54	1	NC*
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	0.47	0	NC*	Male	18.68	19	102
Female	0.36	0	NC*				
Total	0.83	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	1.79	1	NC*	Male	1.24	4	NC*
Female	1.10	0	NC*	Female	0.75	1	NC*
Total	2.89	1	NC*	Total	1.99	5	251
<u>Larynx</u>				<u>Testis</u>			
Male	1.02	2	NC*	Male	0.72	2	NC*
Female	0.26	1	NC*				
Total	1.27	3	NC*				

<u>Leukemia</u>				<u>Thyroid</u>			
Male	1.44	1	NC*	Male	0.41	0	NC*
Female	1.11	2	NC*	Female	1.07	1	NC*
Total	2.55	3	NC*	Total	1.48	1	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.69	0	NC*	Female	3.55	3	NC*
Female	0.28	0	NC*				
Total	0.98	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	9.51	9	95	Male	60.68	55	91
Female	7.57	6	79	Female	57.22	45	79
Total	17.08	15	88	Total	117.91	100	85

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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indicates statistical significance at the $p \leq 0.05$ level

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Warwick

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	0.54	1	NC*	Male	0.39	0	NC*
Female	0.17	1	NC*	Female	0.22	0	NC*
Total	0.71	2	NC*	Total	0.61	0	NC*
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.17	0	NC*	Male	0.11	0	NC*
Female	0.10	0	NC*	Female	0.07	0	NC*
Total	0.28	0	NC*	Total	0.18	0	NC*
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.03	0	NC*	Male	0.47	0	NC*
Female	2.71	7	258 #+	Female	0.31	0	NC*
Total	2.73	7	256 #+	Total	0.78	0	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	0.15	1	NC*	Male	0.36	0	NC*
				Female	0.13	0	NC*
				Total	0.50	0	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	1.34	1	NC*	Female	0.31	0	NC*
Female	1.03	0	NC*				
Total	2.37	1	NC*				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.20	0	NC*	Male	0.23	0	NC*
Female	0.05	0	NC*	Female	0.19	0	NC*
Total	0.25	0	NC*	Total	0.42	0	NC*
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			

Male	0.10	0	NC*	Male	3.25	3	NC*
Female	0.05	0	NC*				
Total	0.14	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	0.33	0	NC*	Male	0.24	0	NC*
Female	0.16	0	NC*	Female	0.11	0	NC*
Total	0.49	0	NC*	Total	0.35	0	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	0.19	0	NC*	Male	0.15	0	NC*
Female	0.04	0	NC*				
Total	0.22	0	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	0.26	0	NC*	Male	0.08	0	NC*
Female	0.16	0	NC*	Female	0.15	0	NC*
Total	0.42	0	NC*	Total	0.23	0	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.13	0	NC*	Female	0.52	1	NC*
Female	0.04	0	NC*				
Total	0.17	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	1.66	1	NC*	Male	10.99	10	91
Female	1.09	0	NC*	Female	8.39	11	131
Total	2.75	1	NC*	Total	19.39	21	108

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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Washington

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	0.52	0	NC*	Male	0.30	0	NC*
Female	0.17	0	NC*	Female	0.21	0	NC*
Total	0.69	0	NC*	Total	0.52	0	NC*
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.12	0	NC*	Male	0.09	0	NC*
Female	0.10	0	NC*	Female	0.07	0	NC*
Total	0.22	0	NC*	Total	0.17	0	NC*
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.02	0	NC*	Male	0.38	0	NC*
Female	2.52	1	NC*	Female	0.30	0	NC*
Total	2.55	1	NC*	Total	0.67	0	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	0.29	0	NC*

Female	0.14	0	NC*	Female	0.13	0	NC*
				Total	0.41	0	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	1.25	0	NC*	Female	0.29	1	NC*
Female	1.04	1	NC*				
Total	2.29	1	NC*				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.17	0	NC*	Male	0.21	0	NC*
Female	0.05	0	NC*	Female	0.19	0	NC*
Total	0.22	0	NC*	Total	0.40	0	NC*
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	0.05	0	NC*	Male	2.70	0	NC*
Female	0.05	0	NC*				
Total	0.10	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	0.27	1	NC*	Male	0.23	0	NC*
Female	0.15	0	NC*	Female	0.12	0	NC*
Total	0.41	1	NC*	Total	0.34	0	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	0.15	0	NC*	Male	0.07	0	NC*
Female	0.03	0	NC*				
Total	0.18	0	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	0.22	0	NC*	Male	0.05	0	NC*
Female	0.16	1	NC*	Female	0.14	0	NC*
Total	0.38	1	NC*	Total	0.19	0	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.10	0	NC*	Female	0.48	2	NC*
Female	0.04	0	NC*				
Total	0.14	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	1.42	1	NC*	Male	9.30	3	NC*
Female	0.97	0	NC*	Female	7.95	6	75
Total	2.39	1	NC*	Total	17.25	9	52 #-

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Watertown

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	18.20	13	71	Male	12.39	12	97
Female	9.04	11	122	Female	11.95	13	109

Total	27.24	24	88
<u>Brain and Other Central Nervous System</u>			
Male	5.54	5	90
Female	5.41	7	129
Total	10.95	12	110
<u>Breast</u>			
Male	0.85	0	NC*
Female	135.47	150	111
Total	136.31	150	110
<u>Cervix Uteri</u>			
Female	8.36	8	96
<u>Colon / Rectum</u>			
Male	45.26	53	117
Female	56.98	73	128 #+
Total	102.24	126	123 #+
<u>Esophagus</u>			
Male	6.36	7	110
Female	2.77	1	NC*
Total	9.13	8	88
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>			
Male	3.12	1	NC*
Female	2.99	2	NC*
Total	6.10	3	NC*
<u>Kidney and Renal Pelvis</u>			
Male	10.57	9	85
Female	8.25	10	121
Total	18.82	19	101
<u>Larynx</u>			
Male	5.94	5	84
Female	1.81	1	NC*
Total	7.75	6	77
<u>Leukemia</u>			
Male	8.59	15	175
Female	8.33	10	120
Total	16.93	25	148
<u>Liver and Intrahepatic Bile Ducts</u>			
Male	4.10	12	293 ~+
Female	2.23	2	NC*
Total	6.33	14	221 #+
<u>Lung and Bronchus</u>			
Male	57.11	54	95
Female	56.31	57	101
Total	113.42	111	98

Total	24.34	25	103
<u>Multiple Myeloma</u>			
Male	3.50	4	NC*
Female	3.90	5	128
Total	7.40	9	122
<u>Non-Hodgkin('s) Lymphoma</u>			
Male	15.04	18	120
Female	16.93	22	130
Total	31.97	40	125
<u>Oral Cavity and Pharynx</u>			
Male	11.08	14	126
Female	6.81	5	73
Total	17.89	19	106
<u>Ovary</u>			
Female	15.97	12	75
<u>Pancreas</u>			
Male	7.56	11	145
Female	10.38	10	96
Total	17.94	21	117
<u>Prostate</u>			
Male	110.64	129	117
<u>Stomach</u>			
Male	7.63	7	92
Female	6.29	12	191
Total	13.92	19	136
<u>Testis</u>			
Male	5.23	7	134
<u>Thyroid</u>			
Male	2.61	7	269 #+
Female	8.70	6	69
Total	11.31	13	115
<u>Uteri, Corpus and Uterus, NOS</u>			
Female	25.34	23	91
<u>All Sites / Types</u>			
Male	366.59	407	111 #+
Female	437.10	476	109
Total	803.69	883	110 ~+

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Wayland

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	9.49	11	116	Male	6.43	9	140
Female	3.30	2	NC*	Female	4.67	10	214 #+
Total	12.79	13	102	Total	11.10	19	171 #+
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	2.88	3	NC*	Male	1.93	2	NC*
Female	2.22	5	225	Female	1.59	1	NC*
Total	5.10	8	157	Total	3.52	3	NC*
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.47	1	NC*	Male	7.62	8	105
Female	59.67	74	124	Female	6.53	5	77
Total	60.14	75	125	Total	14.15	13	92
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	3.12	1	NC*	Male	6.38	4	NC*
				Female	2.87	3	NC*
				Total	9.24	7	76
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	23.85	21	88	Female	6.85	2	NC*
Female	20.44	19	93				
Total	44.29	40	90				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	3.66	6	164	Male	4.11	4	NC*
Female	1.00	2	NC*	Female	3.87	2	NC*
Total	4.66	8	172	Total	7.98	6	75
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	1.25	2	NC*	Male	63.95	64	100
Female	0.94	1	NC*				
Total	2.19	3	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	5.92	6	101	Male	4.01	4	NC*
Female	3.51	3	NC*	Female	2.16	2	NC*
Total	9.43	9	95	Total	6.17	6	97
<u>Larynx</u>				<u>Testis</u>			
Male	3.50	2	NC*	Male	1.67	2	NC*
Female	0.87	1	NC*				
Total	4.37	3	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	4.46	2	NC*	Male	1.23	0	NC*
Female	3.30	2	NC*	Female	3.07	4	NC*
Total	7.75	4	NC*	Total	4.30	4	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	2.31	0	NC*	Female	11.93	9	75
Female	0.86	0	NC*				
Total	3.17	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			

Male	31.76	16	50 ~-	Male	199.52	174	87
Female	24.46	12	49 ~-	Female	179.29	169	94
Total	56.22	28	50 ^-	Total	378.82	343	91

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Webster

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	11.90	13	109	Male	7.31	5	68
Female	5.19	6	116	Female	5.99	3	NC*
Total	17.08	19	111	Total	13.30	8	60
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	3.15	5	159	Male	2.24	1	NC*
Female	2.83	1	NC*	Female	2.21	2	NC*
Total	5.98	6	100	Total	4.45	3	NC*
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.54	3	NC*	Male	8.98	6	67
Female	71.46	69	97	Female	9.23	7	76
Total	71.99	72	100	Total	18.20	13	71
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	3.84	3	NC*	Male	6.67	3	NC*
				Female	3.71	6	162
				Total	10.37	9	87
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	29.16	23	79	Female	8.28	10	121
Female	32.80	24	73				
Total	61.96	47	76				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	3.97	3	NC*	Male	4.82	6	124
Female	1.59	0	NC*	Female	5.93	4	NC*
Total	5.56	3	NC*	Total	10.75	10	93
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	1.54	1	NC*	Male	69.00	58	84
Female	1.34	1	NC*				
Total	2.88	2	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	6.48	7	108	Male	4.93	6	122
Female	4.51	9	199	Female	3.59	4	NC*
Total	10.99	16	146	Total	8.53	10	117
<u>Larynx</u>				<u>Testis</u>			
Male	3.63	3	NC*	Male	2.27	6	264

Female	0.98	2	NC*
Total	4.61	5	109

Leukemia

Male	5.32	6	113
Female	4.66	6	129
Total	9.98	12	120

Liver and Intrahepatic Bile Ducts

Male	2.51	1	NC*
Female	1.27	4	NC*
Total	3.77	5	132

Lung and Bronchus

Male	35.92	36	100
Female	31.11	30	96
Total	67.03	66	98

Thyroid

Male	1.34	0	NC*
Female	3.85	1	NC*
Total	5.20	1	NC*

Uteri, Corpus and Uterus, NOS

Female	13.65	20	147
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All Sites / Types

Male	227.36	205	90
Female	236.57	235	99
Total	463.92	440	95

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Wellesley

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	19.54	11	56	Male	12.81	13	101
Female	7.73	6	78	Female	10.54	13	123
Total	27.27	17	62 #-	Total	23.36	26	111
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	5.61	8	143	Male	3.84	1	NC*
Female	4.90	6	123	Female	3.50	0	NC*
Total	10.50	14	133	Total	7.34	1	NC*
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.92	2	NC*	Male	15.38	8	52
Female	126.99	139	109	Female	14.75	15	102
Total	127.91	141	110	Total	30.14	23	76
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	7.16	2	NC*	Male	12.35	6	49
				Female	6.25	3	NC*
				Total	18.59	9	48 #-
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	48.53	40	82	Female	14.73	10	68
Female	48.41	30	62 ~-				
Total	96.94	70	72 ~-	<u>Pancreas</u>			
<u>Esophagus</u>				Male	8.27	7	85
Male	7.14	5	70	Female	8.92	8	90
Female	2.36	5	212				

Total	9.50	10	105
Hodgkin's Disease (Hodgkin Lymphoma)			
Male	2.58	2	NC*
Female	2.36	0	NC*
Total	4.94	2	NC*

Kidney and Renal Pelvis			
Male	11.53	3	NC*
Female	7.55	8	106
Total	19.09	11	58

Larynx			
Male	6.69	4	NC*
Female	1.75	2	NC*
Total	8.45	6	71

Leukemia			
Male	8.95	7	78
Female	7.54	6	80
Total	16.50	13	79

Liver and Intrahepatic Bile Ducts			
Male	4.49	1	NC*
Female	1.95	0	NC*
Total	6.45	1	NC*

Lung and Bronchus			
Male	62.12	38	61 ~-
Female	51.48	37	72 #-
Total	113.60	75	66 ^-

Total	17.19	15	87
Prostate			
Male	123.09	110	89

Stomach			
Male	8.28	6	72
Female	5.27	6	114
Total	13.55	12	89

Testis			
Male	3.60	3	NC*

Thyroid			
Male	2.44	2	NC*
Female	7.25	4	NC*
Total	9.69	6	62

Uteri, Corpus and Uterus, NOS			
Female	24.54	19	77

All Sites / Types			
Male	394.13	291	74 ^-
Female	394.40	333	84 ~-
Total	788.53	624	79 ^-

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(Obs / Exp) X 100]

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indicates statistical significance at the $p \leq 0.05$ level

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^ indicates statistical significance at the $p \leq 0.001$ level, as well as at the $p \leq 0.05$ and $p \leq 0.01$ levels

Wellfleet

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
Bladder, Urinary			
Male	3.13	4	NC*
Female	1.03	1	NC*
Total	4.16	5	120

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
Brain and Other Central Nervous System			
Male	0.66	2	NC*
Female	0.53	0	NC*
Total	1.19	2	NC*

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
Breast			
Male	0.13	1	NC*
Female	14.36	13	90
Total	14.50	14	97

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
Melanoma of Skin			
Male	1.68	0	NC*
Female	1.11	1	NC*
Total	2.79	1	NC*

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
Multiple Myeloma			
Male	0.57	1	NC*
Female	0.45	1	NC*
Total	1.02	2	NC*

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
Non-Hodgkin('s) Lymphoma			
Male	2.09	3	NC*
Female	1.82	2	NC*
Total	3.91	5	128

<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	0.67	2	NC*	Male	1.56	0	NC*
				Female	0.74	2	NC*
				Total	2.30	2	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	7.59	6	79	Female	1.63	2	NC*
Female	6.42	4	NC*				
Total	14.01	10	71				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.99	1	NC*	Male	1.24	5	403 #+
Female	0.32	0	NC*	Female	1.20	0	NC*
Total	1.30	1	NC*	Total	2.44	5	205
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	0.26	0	NC*	Male	17.54	32	182 ~+
Female	0.21	0	NC*				
Total	0.46	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	1.54	1	NC*	Male	1.28	0	NC*
Female	0.93	1	NC*	Female	0.68	2	NC*
Total	2.47	2	NC*	Total	1.97	2	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	0.88	1	NC*	Male	0.30	0	NC*
Female	0.22	0	NC*				
Total	1.09	1	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	1.25	2	NC*	Male	0.26	1	NC*
Female	0.87	1	NC*	Female	0.63	0	NC*
Total	2.12	3	NC*	Total	0.88	1	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.60	1	NC*	Female	2.87	2	NC*
Female	0.26	0	NC*				
Total	0.86	1	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	9.10	10	110	Male	56.48	76	135 #+
Female	6.68	8	120	Female	47.14	49	104
Total	15.78	18	114	Total	103.61	125	121 #+

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indicates statistical significance at the $p \leq 0.05$ level

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Wendell

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			

Male	0.53	0	NC*
Female	0.17	0	NC*
Total	0.70	0	NC*
<u>Brain and Other Central Nervous System</u>			
Male	0.21	0	NC*
Female	0.15	0	NC*
Total	0.36	0	NC*
<u>Breast</u>			
Male	0.03	1	NC*
Female	3.86	4	NC*
Total	3.89	5	129
<u>Cervix Uteri</u>			
Female	0.24	1	NC*
<u>Colon / Rectum</u>			
Male	1.34	0	NC*
Female	1.05	0	NC*
Total	2.39	0	NC*
<u>Esophagus</u>			
Male	0.23	1	NC*
Female	0.05	0	NC*
Total	0.28	1	NC*
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>			
Male	0.11	0	NC*
Female	0.08	1	NC*
Total	0.19	1	NC*
<u>Kidney and Renal Pelvis</u>			
Male	0.39	1	NC*
Female	0.20	0	NC*
Total	0.60	1	NC*
<u>Larynx</u>			
Male	0.23	0	NC*
Female	0.05	0	NC*
Total	0.28	0	NC*
<u>Leukemia</u>			
Male	0.29	0	NC*
Female	0.21	0	NC*
Total	0.49	0	NC*
<u>Liver and Intrahepatic Bile Ducts</u>			
Male	0.15	1	NC*
Female	0.05	0	NC*
Total	0.20	1	NC*
<u>Lung and Bronchus</u>			
Male	1.78	0	NC*
Female	1.30	0	NC*
Total	3.09	0	NC*

Male	0.45	0	NC*
Female	0.33	0	NC*
Total	0.78	0	NC*
<u>Multiple Myeloma</u>			
Male	0.12	0	NC*
Female	0.09	1	NC*
Total	0.20	1	NC*
<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.52	1	NC*
Female	0.38	0	NC*
Total	0.90	1	NC*
<u>Oral Cavity and Pharynx</u>			
Male	0.45	0	NC*
Female	0.17	0	NC*
Total	0.63	0	NC*
<u>Ovary</u>			
Female	0.45	0	NC*
<u>Pancreas</u>			
Male	0.25	0	NC*
Female	0.19	0	NC*
Total	0.44	0	NC*
<u>Prostate</u>			
Male	3.57	0	NC*
<u>Stomach</u>			
Male	0.24	0	NC*
Female	0.12	0	NC*
Total	0.36	0	NC*
<u>Testis</u>			
Male	0.17	0	NC*
<u>Thyroid</u>			
Male	0.10	1	NC*
Female	0.26	0	NC*
Total	0.36	1	NC*
<u>Uteri, Corpus and Uterus, NOS</u>			
Female	0.74	0	NC*
<u>All Sites / Types</u>			
Male	11.95	6	50
Female	10.83	7	65
Total	22.79	13	57 #-

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Wenham

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	3.36	3	NC*	Male	2.22	5	225
Female	1.14	1	NC*	Female	1.66	1	NC*
Total	4.50	4	NC*	Total	3.88	6	154
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.00	3	NC*	Male	0.65	0	NC*
Female	0.80	1	NC*	Female	0.52	1	NC*
Total	1.80	4	NC*	Total	1.18	1	NC*
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.16	2	NC*	Male	2.69	3	NC*
Female	19.52	22	113	Female	2.26	1	NC*
Total	19.68	24	122	Total	4.95	4	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	1.16	1	NC*	Male	2.10	2	NC*
				Female	0.95	2	NC*
				Total	3.05	4	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	8.39	7	83	Female	2.30	3	NC*
Female	7.09	6	85				
Total	15.48	13	84				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	1.22	1	NC*	Male	1.42	0	NC*
Female	0.35	2	NC*	Female	1.33	0	NC*
Total	1.57	3	NC*	Total	2.75	0	NC*
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	0.49	0	NC*	Male	21.50	17	79
Female	0.41	0	NC*				
Total	0.91	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	1.97	4	NC*	Male	1.41	0	NC*
Female	1.16	0	NC*	Female	0.77	2	NC*
Total	3.13	4	NC*	Total	2.19	2	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	1.14	1	NC*	Male	0.74	1	NC*
Female	0.27	0	NC*				
Total	1.42	1	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	1.56	2	NC*	Male	0.44	0	NC*
Female	1.19	0	NC*	Female	1.21	0	NC*
Total	2.75	2	NC*	Total	1.65	0	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.77	0	NC*	Female	3.76	4	NC*
Female	0.29	0	NC*				

Total	1.07	0	NC*
<u>Lung and Bronchus</u>			
Male	10.81	10	93
Female	7.88	3	NC*
Total	18.69	13	70

<u>All Sites / Types</u>			
Male	68.60	66	96
Female	60.29	52	86
Total	128.90	118	92

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West Boylston

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	5.78	9	156	Male	3.91	3	NC*
Female	1.85	2	NC*	Female	2.28	6	263
Total	7.63	11	144	Total	6.19	9	145
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.72	3	NC*	Male	1.13	0	NC*
Female	1.10	2	NC*	Female	0.84	1	NC*
Total	2.82	5	177	Total	1.97	1	NC*
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.27	0	NC*	Male	4.71	2	NC*
Female	28.79	34	118	Female	3.45	3	NC*
Total	29.06	34	117	Total	8.16	5	61
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	1.47	0	NC*	Male	3.59	3	NC*
				Female	1.44	1	NC*
				Total	5.03	4	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	14.38	10	70	Female	3.31	5	151
Female	11.56	9	78				
Total	25.94	19	73				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	2.06	0	NC*	Male	2.42	1	NC*
Female	0.57	2	NC*	Female	2.15	3	NC*
Total	2.62	2	NC*	Total	4.57	4	NC*
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	0.91	2	NC*	Male	35.67	28	78
Female	0.47	2	NC*				
Total	1.37	4	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	3.41	0	NC*	Male	2.42	5	206
Female	1.78	2	NC*	Female	1.23	1	NC*

Total	5.19	2	NC*	Total	3.65	6	164
<u>Larynx</u>				<u>Testis</u>			
Male	1.94	3	NC*	Male	1.45	1	NC*
Female	0.42	0	NC*				
Total	2.36	3	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	2.70	2	NC*	Male	0.79	2	NC*
Female	1.70	2	NC*	Female	1.44	0	NC*
Total	4.40	4	NC*	Total	2.24	2	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	1.32	0	NC*	Female	5.70	5	88
Female	0.47	0	NC*				
Total	1.79	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	18.33	12	65	Male	116.81	93	80 #-
Female	12.56	10	80	Female	91.14	92	101
Total	30.89	22	71	Total	207.95	185	89

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West Bridgewater

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	4.85	14	289 ~+	Male	3.18	8	252 #+
Female	1.90	3	NC*	Female	2.46	4	NC*
Total	6.75	17	252 ~+	Total	5.64	12	213 #+
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.40	2	NC*	Male	0.95	1	NC*
Female	1.16	0	NC*	Female	0.87	0	NC*
Total	2.56	2	NC*	Total	1.82	1	NC*
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.23	0	NC*	Male	3.83	4	NC*
Female	30.38	37	122	Female	3.60	2	NC*
Total	30.61	37	121	Total	7.42	6	81
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	1.63	1	NC*	Male	3.02	0	NC*
				Female	1.51	1	NC*
				Total	4.52	1	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	12.02	12	100	Female	3.51	2	NC*
Female	11.93	18	151				
Total	23.95	30	125				

Esophagus

Male	1.74	2	NC*
Female	0.58	0	NC*
Total	2.32	2	NC*

Hodgkin's Disease (Hodgkin Lymphoma)

Male	0.66	0	NC*
Female	0.53	1	NC*
Total	1.19	1	NC*

Kidney and Renal Pelvis

Male	2.85	5	175
Female	1.84	3	NC*
Total	4.69	8	171

Larynx

Male	1.64	0	NC*
Female	0.43	0	NC*
Total	2.07	0	NC*

Leukemia

Male	2.24	2	NC*
Female	1.78	2	NC*
Total	4.02	4	NC*

Liver and Intrahepatic Bile Ducts

Male	1.10	2	NC*
Female	0.48	0	NC*
Total	1.58	2	NC*

Lung and Bronchus

Male	15.34	18	117
Female	12.84	15	117
Total	28.17	33	117

Pancreas

Male	2.03	0	NC*
Female	2.20	1	NC*
Total	4.23	1	NC*

Prostate

Male	30.08	32	106
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Stomach

Male	2.04	1	NC*
Female	1.28	1	NC*
Total	3.32	2	NC*

Testis

Male	0.95	1	NC*
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Thyroid

Male	0.61	1	NC*
Female	1.63	1	NC*
Total	2.23	2	NC*

Uteri, Corpus and Uterus, NOS

Female	5.95	10	168
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All Sites / Types

Male	97.23	112	115
Female	95.35	115	121
Total	192.59	227	118 #+

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West Brookfield

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	2.73	5	183	Male	1.73	2	NC*
Female	1.08	3	NC*	Female	1.29	4	NC*
Total	3.81	8	210	Total	3.02	6	199
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.74	2	NC*	Male	0.53	0	NC*
Female	0.60	0	NC*	Female	0.47	1	NC*
Total	1.33	2	NC*	Total	0.99	1	NC*
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			

Male	0.13	0	NC*	Male	2.09	6	287 #+
Female	15.84	16	101	Female	1.92	1	NC*
Total	15.96	16	100	Total	4.01	7	174
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	0.82	1	NC*	Male	1.65	0	NC*
<u>Colon / Rectum</u>				Female	0.81	0	NC*
Male	6.70	7	105	Total	2.46	0	NC*
Female	6.80	11	162	<u>Ovary</u>			
Total	13.49	18	133	Female	1.81	7	386 ~+
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.96	0	NC*	Male	1.14	0	NC*
Female	0.33	0	NC*	Female	1.23	3	NC*
Total	1.29	0	NC*	Total	2.37	3	NC*
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	0.33	1	NC*	Male	16.25	21	129
Female	0.26	0	NC*	<u>Stomach</u>			
Total	0.60	1	NC*	Male	1.16	2	NC*
<u>Kidney and Renal Pelvis</u>				Female	0.75	1	NC*
Male	1.55	0	NC*	Total	1.91	3	NC*
Female	0.97	0	NC*	<u>Testis</u>			
Total	2.52	0	NC*	Male	0.45	1	NC*
<u>Larynx</u>				<u>Thyroid</u>			
Male	0.89	2	NC*	Male	0.32	1	NC*
Female	0.22	0	NC*	Female	0.80	1	NC*
Total	1.10	2	NC*	Total	1.12	2	NC*
<u>Leukemia</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	1.22	0	NC*	Female	3.05	3	NC*
Female	1.00	1	NC*	<u>All Sites / Types</u>			
Total	2.23	1	NC*	Male	53.06	58	109
<u>Liver and Intrahepatic Bile Ducts</u>				Female	50.81	60	118
Male	0.60	0	NC*	Total	103.88	118	114
Female	0.27	0	NC*				
Total	0.87	0	NC*				
<u>Lung and Bronchus</u>							
Male	8.32	5	60				
Female	6.57	4	NC*				
Total	14.90	9	60				

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [$(\text{Obs} / \text{Exp}) \times 100$]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

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indicates statistical significance at the $p \leq 0.05$ level

~ indicates statistical significance at the $p \leq 0.01$ level, as well as at the $p \leq 0.05$ level

^ indicates statistical significance at the $p \leq 0.001$ level, as well as at the $p \leq 0.05$ and $p \leq 0.01$ levels

West Newbury

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	2.16	2	NC*	Male	1.66	1	NC*
Female	0.75	2	NC*	Female	1.23	0	NC*
Total	2.92	4	NC*	Total	2.89	1	NC*
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.77	2	NC*	Male	0.46	1	NC*
Female	0.58	1	NC*	Female	0.38	0	NC*
Total	1.35	3	NC*	Total	0.84	1	NC*
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.11	0	NC*	Male	1.94	1	NC*
Female	15.37	17	111	Female	1.58	1	NC*
Total	15.48	17	110	Total	3.52	2	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	0.86	1	NC*	Male	1.69	1	NC*
				Female	0.71	0	NC*
				Total	2.40	1	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	5.49	5	91	Female	1.78	4	NC*
Female	4.68	3	NC*				
Total	10.17	8	79				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.91	1	NC*	Male	0.99	3	NC*
Female	0.23	1	NC*	Female	0.88	0	NC*
Total	1.14	2	NC*	Total	1.86	3	NC*
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	0.36	0	NC*	Male	15.08	16	106
Female	0.26	0	NC*				
Total	0.62	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	1.50	0	NC*	Male	0.96	0	NC*
Female	0.86	1	NC*	Female	0.50	0	NC*
Total	2.36	1	NC*	Total	1.46	0	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	0.89	0	NC*	Male	0.50	1	NC*
Female	0.22	0	NC*				
Total	1.10	0	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	1.11	4	NC*	Male	0.35	0	NC*
Female	0.83	2	NC*	Female	0.87	1	NC*
Total	1.94	6	309 #+	Total	1.22	1	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.58	0	NC*	Female	3.04	2	NC*
Female	0.20	1	NC*				
Total	0.78	1	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	7.39	7	95	Male	47.99	51	106
Female	5.82	6	103	Female	44.53	43	97
Total	13.22	13	98	Total	92.52	94	102

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West Springfield

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	20.54	14	68	Male	13.27	5	38 #-
Female	8.12	14	172	Female	10.19	3	NC*
Total	28.65	28	98	Total	23.47	8	34 ^-
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	5.86	8	137	Male	3.96	0	NC*
Female	4.82	4	NC*	Female	3.59	0	NC*
Total	10.68	12	112	Total	7.55	0	NC*
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.96	1	NC*	Male	16.10	5	31 ~-
Female	122.94	94	76 ~-	Female	15.08	17	113
Total	123.89	95	77 ~-	Total	31.19	22	71
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	6.76	6	89	Male	12.35	18	146
				Female	6.20	6	97
				Total	18.55	24	129
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	51.00	40	78	Female	14.28	5	35 ~-
Female	50.93	54	106				
Total	101.93	94	92				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	7.25	4	NC*	Male	8.55	10	117
Female	2.49	1	NC*	Female	9.39	13	138
Total	9.73	5	51	Total	17.94	23	128
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	2.89	4	NC*	Male	127.50	88	69 ^-
Female	2.29	3	NC*				
Total	5.19	7	135				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	11.77	7	59	Male	8.57	9	105
Female	7.59	7	92	Female	5.52	4	NC*
Total	19.37	14	72	Total	14.10	13	92
<u>Larynx</u>				<u>Testis</u>			
Male	6.76	5	74	Male	4.36	4	NC*
Female	1.73	1	NC*				
Total	8.49	6	71				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	9.40	6	64	Male	2.57	5	194
Female	7.54	4	NC*	Female	6.80	7	103
Total	16.93	10	59	Total	9.38	12	128

Liver and Intrahepatic Bile Ducts

Male	4.59	4	NC*
Female	2.03	2	NC*
Total	6.63	6	91

Uteri, Corpus and Uterus, NOS

Female	23.79	27	113
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Lung and Bronchus

Male	64.92	64	99
Female	52.68	52	99
Total	117.60	116	99

All Sites / Types

Male	410.63	330	80 ^-
Female	393.94	344	87 #-
Total	804.57	674	84 ^-

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West Stockbridge

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	1.43	1	NC*	Male	0.84	1	NC*
Female	0.45	0	NC*	Female	0.56	1	NC*
Total	1.88	1	NC*	Total	1.40	2	NC*
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.35	0	NC*	Male	0.27	1	NC*
Female	0.26	0	NC*	Female	0.21	0	NC*
Total	0.61	0	NC*	Total	0.48	1	NC*
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.06	0	NC*	Male	1.03	2	NC*
Female	7.10	8	113	Female	0.84	0	NC*
Total	7.17	8	112	Total	1.86	2	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	0.36	0	NC*	Male	0.79	2	NC*
				Female	0.35	0	NC*
				Total	1.14	2	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	3.50	2	NC*	Female	0.81	0	NC*
Female	2.81	0	NC*				
Total	6.31	2	NC*				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.48	0	NC*	Male	0.58	0	NC*
Female	0.14	0	NC*	Female	0.52	0	NC*
Total	0.61	0	NC*	Total	1.10	0	NC*
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	0.15	0	NC*	Male	8.36	6	72
Female	0.11	0	NC*				
Total	0.26	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			

Male	0.77	0	NC*	Male	0.59	0	NC*
Female	0.43	1	NC*	Female	0.30	0	NC*
Total	1.20	1	NC*	Total	0.89	0	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	0.44	0	NC*	Male	0.19	0	NC*
Female	0.10	0	NC*				
Total	0.54	0	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	0.61	0	NC*	Male	0.14	0	NC*
Female	0.41	0	NC*	Female	0.35	0	NC*
Total	1.02	0	NC*	Total	0.49	0	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.30	0	NC*				
Female	0.11	0	NC*	Female	1.41	1	NC*
Total	0.41	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	4.34	2	NC*	Male	27.01	19	70
Female	3.06	1	NC*	Female	22.29	12	54 #--
Total	7.40	3	NC*	Total	49.31	31	63 ~-

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West Tisbury

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	1.55	3	NC*	Male	1.07	0	NC*
Female	0.50	0	NC*	Female	0.74	4	NC*
Total	2.05	3	NC*	Total	1.81	4	NC*
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.47	0	NC*	Male	0.32	0	NC*
Female	0.35	0	NC*	Female	0.24	0	NC*
Total	0.82	0	NC*	Total	0.55	0	NC*
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.07	0	NC*	Male	1.27	0	NC*
Female	9.08	11	121	Female	1.00	3	NC*
Total	9.16	11	120	Total	2.27	3	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	0.51	1	NC*	Male	1.04	1	NC*
				Female	0.43	0	NC*
				Total	1.47	1	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	3.82	2	NC*				

Female	3.12	2	NC*	Female	1.05	3	NC*
Total	6.94	4	NC*				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.57	1	NC*	Male	0.66	0	NC*
Female	0.15	0	NC*	Female	0.58	1	NC*
Total	0.72	1	NC*	Total	1.23	1	NC*
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	0.22	0	NC*	Male	9.33	12	129
Female	0.16	0	NC*				
Total	0.38	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	0.96	0	NC*	Male	0.67	1	NC*
Female	0.52	0	NC*	Female	0.33	0	NC*
Total	1.49	0	NC*	Total	1.00	1	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	0.54	1	NC*	Male	0.30	0	NC*
Female	0.13	0	NC*				
Total	0.67	1	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	0.74	2	NC*	Male	0.21	0	NC*
Female	0.51	2	NC*	Female	0.51	0	NC*
Total	1.26	4	NC*	Total	0.72	0	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.37	1	NC*	Female	1.78	0	NC*
Female	0.13	0	NC*				
Total	0.49	1	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	4.84	3	NC*	Male	31.12	29	93
Female	3.58	4	NC*	Female	27.28	35	128
Total	8.42	7	83	Total	58.40	64	110

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Westborough

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	9.51	2	NC*	Male	6.77	6	89
Female	3.52	0	NC*	Female	5.15	1	NC*
Total	13.03	2	NC*	Total	11.91	7	59
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	3.08	3	NC*	Male	1.90	1	NC*
Female	2.39	1	NC*	Female	1.61	2	NC*

Total	5.47	4	NC*	Total	3.51	3	NC*
Breast				Non-Hodgkin('s) Lymphoma			
Male	0.46	0	NC*	Male	8.10	9	111
Female	60.37	84	139 ~+	Female	6.90	8	116
Total	60.82	84	138 ~+	Total	15.00	17	113
Cervix Uteri				Oral Cavity and Pharynx			
Female	3.60	1	NC*	Male	6.41	0	NC*
				Female	2.93	2	NC*
				Total	9.34	2	NC*
Colon / Rectum				Ovary			
Male	23.73	19	80	Female	7.07	11	156
Female	22.04	19	86				
Total	45.77	38	83	Pancreas			
Esophagus				Male	4.09	4	NC*
Male	3.57	1	NC*	Female	4.05	4	NC*
Female	1.07	3	NC*	Total	8.14	8	98
Total	4.64	4	NC*	Prostate			
Hodgkin's Disease (Hodgkin Lymphoma)				Male	59.91	48	80
Male	1.60	5	313 #+				
Female	1.23	2	NC*	Stomach			
Total	2.83	7	248	Male	4.10	2	NC*
Kidney and Renal Pelvis				Female	2.42	4	NC*
Male	5.90	3	NC*	Total	6.52	6	92
Female	3.53	2	NC*	Testis			
Total	9.43	5	53	Male	2.47	2	NC*
Larynx				Thyroid			
Male	3.38	6	178	Male	1.42	3	NC*
Female	0.81	0	NC*	Female	3.72	4	NC*
Total	4.19	6	143	Total	5.14	7	136
Leukemia				Uteri, Corpus and Uterus, NOS			
Male	4.67	1	NC*	Female	11.54	7	61
Female	3.60	6	166				
Total	8.28	7	85	All Sites / Types			
Liver and Intrahepatic Bile Ducts				Male	197.06	146	74 ^-
Male	2.29	1	NC*	Female	185.33	206	111
Female	0.90	0	NC*	Total	382.39	352	92
Total	3.18	1	NC*				
Lung and Bronchus							
Male	30.39	20	66				
Female	23.64	27	114				
Total	54.04	47	87				

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Westfield

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	28.55	35	123	Male	18.11	17	94
Female	11.62	9	77	Female	14.29	9	63
Total	40.17	44	110	Total	32.40	26	80
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	7.95	8	101	Male	5.47	5	91
Female	6.80	8	118	Female	5.06	4	NC*
Total	14.74	16	109	Total	10.53	9	85
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	1.31	2	NC*	Male	22.10	22	100
Female	170.81	164	96	Female	21.30	15	70
Total	172.12	166	96	Total	43.40	37	85
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	9.38	2	NC*	Male	16.63	15	90
				Female	8.69	11	127
				Total	25.32	26	103
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	70.31	65	92	Female	19.85	14	71
Female	73.18	58	79				
Total	143.49	123	86				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	9.76	10	102	Male	11.68	15	128
Female	3.56	2	NC*	Female	13.36	11	82
Total	13.32	12	90	Total	25.04	26	104
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	3.92	1	NC*	Male	169.44	114	67 ^-
Female	3.25	5	154				
Total	7.17	6	84				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	16.06	17	106	Male	11.86	4	NC*
Female	10.60	11	104	Female	7.98	7	88
Total	26.66	28	105	Total	19.84	11	55 #-
<u>Larynx</u>				<u>Testis</u>			
Male	9.04	9	100	Male	5.87	8	136
Female	2.36	3	NC*				
Total	11.40	12	105				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	13.07	13	99	Male	3.43	4	NC*
Female	10.82	6	55	Female	9.48	5	53
Total	23.89	19	80	Total	12.90	9	70
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	6.20	9	145	Female	32.83	26	79
Female	2.89	3	NC*				
Total	9.09	12	132				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	87.84	96	109	Male	556.72	497	89 #-
Female	73.00	58	79	Female	553.03	461	83 ^-
Total	160.84	154	96	Total	1109.75	958	86 ^-

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Westford

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	9.40	13	138	Male	7.54	8	106
Female	3.13	4	NC*	Female	5.53	4	NC*
Total	12.52	17	136	Total	13.08	12	92
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	3.61	2	NC*	Male	2.02	3	NC*
Female	2.63	3	NC*	Female	1.58	4	NC*
Total	6.24	5	80	Total	3.60	7	194
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.49	1	NC*	Male	8.82	13	147
Female	65.97	75	114	Female	6.82	7	103
Total	66.47	76	114	Total	15.64	20	128
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	4.03	6	149	Male	7.49	3	NC*
				Female	3.04	2	NC*
				Total	10.53	5	47
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	23.96	20	83	Female	7.75	7	90
Female	19.43	21	108				
Total	43.39	41	94				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	3.99	2	NC*	Male	4.29	3	NC*
Female	0.94	0	NC*	Female	3.63	3	NC*
Total	4.92	2	NC*	Total	7.93	6	76
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	1.84	2	NC*	Male	65.94	58	88
Female	1.33	2	NC*				
Total	3.17	4	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	6.67	9	135	Male	4.17	5	120
Female	3.65	2	NC*	Female	2.08	0	NC*
Total	10.32	11	107	Total	6.25	5	80
<u>Larynx</u>				<u>Testis</u>			
Male	3.91	0	NC*	Male	2.78	5	180
Female	0.90	0	NC*				
Total	4.81	0	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			

Male	5.07	2	NC*
Female	3.64	6	165
Total	8.72	8	92

Male	1.68	3	NC*
Female	4.20	6	143
Total	5.88	9	153

Liver and Intrahepatic Bile Ducts

Male	2.58	1	NC*
Female	0.84	1	NC*
Total	3.42	2	NC*

Uteri, Corpus and Uterus, NOS

Female	12.83	14	109
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Lung and Bronchus

Male	32.51	18	55 ~-
Female	24.33	15	62
Total	56.85	33	58 ^-

All Sites / Types

Male	212.56	186	88
Female	190.66	193	101
Total	403.22	379	94

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(Obs / Exp) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the $p \leq 0.05$ level

~ indicates statistical significance at the $p \leq 0.01$ level, as well as at the $p \leq 0.05$ level

^ indicates statistical significance at the $p \leq 0.001$ level, as well as at the $p \leq 0.05$ and $p \leq 0.01$ levels

Westhampton

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	0.84	0	NC*	Male	0.65	0	NC*
Female	0.26	1	NC*	Female	0.45	0	NC*
Total	1.11	1	NC*	Total	1.10	0	NC*
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.30	0	NC*	Male	0.18	0	NC*
Female	0.21	1	NC*	Female	0.13	0	NC*
Total	0.52	1	NC*	Total	0.31	0	NC*
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.04	0	NC*	Male	0.76	1	NC*
Female	5.48	9	164	Female	0.57	0	NC*
Total	5.52	9	163	Total	1.33	1	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	0.32	0	NC*	Male	0.64	0	NC*
				Female	0.25	0	NC*
				Total	0.90	0	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	2.14	3	NC*	Female	0.64	1	NC*
Female	1.64	0	NC*				
Total	3.78	3	NC*				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.35	0	NC*	Male	0.38	0	NC*
Female	0.08	0	NC*	Female	0.31	0	NC*
Total	0.43	0	NC*	Total	0.69	0	NC*
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	0.15	0	NC*	Male	5.78	5	87

Female	0.10	0	NC*				
Total	0.25	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	0.58	1	NC*	Male	0.37	0	NC*
Female	0.31	0	NC*	Female	0.17	0	NC*
Total	0.89	1	NC*	Total	0.54	0	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	0.34	1	NC*	Male	0.22	0	NC*
Female	0.08	0	NC*				
Total	0.41	1	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	0.44	0	NC*	Male	0.14	0	NC*
Female	0.30	0	NC*	Female	0.33	1	NC*
Total	0.73	0	NC*	Total	0.47	1	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.22	0	NC*				
Female	0.07	0	NC*	Female	1.08	2	NC*
Total	0.29	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	2.87	2	NC*	Male	18.60	17	91
Female	2.08	1	NC*	Female	15.89	16	101
Total	4.95	3	NC*	Total	34.50	33	96

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

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indicates statistical significance at the $p \leq 0.05$ level

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^ indicates statistical significance at the $p \leq 0.001$ level, as well as at the $p \leq 0.05$ and $p \leq 0.01$ levels

Westminster

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	4.19	4	NC*	Male	3.06	1	NC*
Female	1.48	1	NC*	Female	2.22	4	NC*
Total	5.67	5	88	Total	5.28	5	95
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.39	0	NC*	Male	0.87	1	NC*
Female	1.05	0	NC*	Female	0.71	1	NC*
Total	2.44	0	NC*	Total	1.58	2	NC*
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.21	0	NC*	Male	3.61	1	NC*
Female	27.04	19	70	Female	2.99	1	NC*
Total	27.25	19	70	Total	6.60	2	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	1.54	3	NC*	Male	2.98	3	NC*
				Female	1.29	1	NC*

				Total	4.27	4	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	10.51	11	105	Female	3.15	2	NC*
Female	9.25	6	65				
Total	19.76	17	86	<u>Pancreas</u>			
<u>Esophagus</u>				Male	1.83	0	NC*
Male	1.64	1	NC*	Female	1.72	0	NC*
Female	0.45	0	NC*	Total	3.55	0	NC*
Total	2.09	1	NC*	<u>Prostate</u>			
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				Male	27.38	30	110
Male	0.68	0	NC*				
Female	0.50	0	NC*	<u>Stomach</u>			
Total	1.18	0	NC*	Male	1.81	0	NC*
<u>Kidney and Renal Pelvis</u>				Female	0.99	1	NC*
Male	2.72	3	NC*	Total	2.80	1	NC*
Female	1.57	1	NC*	<u>Testis</u>			
Total	4.29	4	NC*	Male	1.00	1	NC*
<u>Larynx</u>				<u>Thyroid</u>			
Male	1.58	1	NC*	Male	0.63	0	NC*
Female	0.38	0	NC*	Female	1.57	1	NC*
Total	1.95	1	NC*	Total	2.20	1	NC*
<u>Leukemia</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	2.08	3	NC*	Female	5.29	3	NC*
Female	1.53	1	NC*				
Total	3.60	4	NC*	<u>All Sites / Types</u>			
<u>Liver and Intrahepatic Bile Ducts</u>				Male	88.83	74	83
Male	1.05	3	NC*	Female	81.40	55	68 ~-
Female	0.38	0	NC*	Total	170.23	129	76 ~-
Total	1.43	3	NC*				
<u>Lung and Bronchus</u>							
Male	13.79	8	58				
Female	10.74	7	65				
Total	24.53	15	61				

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Weston

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	9.29	4	NC*	Male	5.94	6	101
Female	3.22	0	NC*	Female	4.23	6	142
Total	12.51	4	NC*	Total	10.17	12	118

<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	2.56	5	196	Male	1.84	1	NC*
Female	1.99	6	301 #+	Female	1.49	3	NC*
Total	4.55	11	242 #+	Total	3.33	4	NC*
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.44	0	NC*	Male	7.09	8	113
Female	53.80	57	106	Female	6.09	5	82
Total	54.24	57	105	Total	13.18	13	99
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	2.75	2	NC*	Male	5.87	0	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	23.17	25	108	Female	6.15	3	NC*
Female	20.04	21	105	<u>Pancreas</u>			
Total	43.22	46	106	Male	3.96	4	NC*
<u>Esophagus</u>				Female	3.74	10	267 #+
Male	3.45	0	NC*	Total	7.70	14	182
Female	0.98	0	NC*	<u>Prostate</u>			
Total	4.43	0	NC*	Male	60.87	63	104
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Stomach</u>			
Male	1.06	0	NC*	Male	3.90	3	NC*
Female	0.83	2	NC*	Female	2.15	3	NC*
Total	1.89	2	NC*	Total	6.05	6	99
<u>Kidney and Renal Pelvis</u>				<u>Testis</u>			
Male	5.49	2	NC*	Male	1.34	1	NC*
Female	3.21	2	NC*	<u>Thyroid</u>			
Total	8.71	4	NC*	Male	1.08	3	NC*
<u>Larynx</u>				Female	2.68	2	NC*
Male	3.26	2	NC*	Total	3.76	5	133
Female	0.77	1	NC*	<u>Uteri, Corpus and Uterus, NOS</u>			
Total	4.03	3	NC*	Female	10.67	17	159
<u>Leukemia</u>				<u>All Sites / Types</u>			
Male	4.12	6	146	Male	189.16	162	86 #-
Female	3.10	7	225	Female	165.29	175	106
Total	7.22	13	180	Total	354.45	337	95
<u>Liver and Intrahepatic Bile Ducts</u>							
Male	2.15	0	NC*				
Female	0.82	0	NC*				
Total	2.97	0	NC*				
<u>Lung and Bronchus</u>							
Male	30.28	13	43 ^-				
Female	22.24	16	72				
Total	52.53	29	55 ^-				

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Westport

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	11.09	7	63	Male	7.51	6	80
Female	4.11	2	NC*	Female	5.46	3	NC*
Total	15.20	9	59	Total	12.97	9	69
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	3.30	4	NC*	Male	2.21	2	NC*
Female	2.55	5	196	Female	1.90	1	NC*
Total	5.85	9	154	Total	4.10	3	NC*
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.53	2	NC*	Male	8.95	9	101
Female	67.73	59	87	Female	7.85	3	NC*
Total	68.27	61	89	Total	16.80	12	71
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	3.63	2	NC*	Male	7.17	2	NC*
				Female	3.33	2	NC*
				Total	10.50	4	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	27.66	23	83	Female	7.80	9	115
Female	25.74	23	89				
Total	53.40	46	86				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	4.10	5	122	Male	4.71	4	NC*
Female	1.25	3	NC*	Female	4.77	6	126
Total	5.36	8	149	Total	9.49	10	105
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	1.58	1	NC*	Male	70.82	69	97
Female	1.15	1	NC*				
Total	2.73	2	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	6.71	7	104	Male	4.68	10	213 #+
Female	4.06	2	NC*	Female	2.76	3	NC*
Total	10.78	9	84	Total	7.44	13	175
<u>Larynx</u>				<u>Testis</u>			
Male	3.89	2	NC*	Male	2.34	2	NC*
Female	0.96	1	NC*				
Total	4.85	3	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	5.15	9	175	Male	1.48	0	NC*
Female	3.90	5	128	Female	3.61	0	NC*
Total	9.05	14	155	Total	5.08	0	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	2.60	3	NC*	Female	13.31	16	120
Female	1.04	2	NC*				
Total	3.65	5	137				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	35.83	39	109	Male	227.27	217	95

Female	28.24	22	78	Female	210.06	179	85 #-
Total	64.07	61	95	Total	437.33	396	91 #-

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Westwood

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	9.88	11	111	Male	6.58	7	106
Female	3.77	4	NC*	Female	4.92	6	122
Total	13.65	15	110	Total	11.50	13	113
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	2.93	5	171	Male	1.97	1	NC*
Female	2.37	3	NC*	Female	1.75	1	NC*
Total	5.29	8	151	Total	3.72	2	NC*
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.47	0	NC*	Male	7.87	10	127
Female	61.75	83	134 #+	Female	7.23	9	124
Total	62.23	83	133 #+	Total	15.11	19	126
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	3.24	2	NC*	Male	6.28	6	95
				Female	3.04	3	NC*
				Total	9.33	9	96
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	24.69	29	117	Female	7.12	7	98
Female	23.61	39	165 ~+				
Total	48.30	68	141 ~+				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	3.63	1	NC*	Male	4.18	4	NC*
Female	1.15	2	NC*	Female	4.40	10	227 #+
Total	4.79	3	NC*	Total	8.58	14	163
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	1.37	2	NC*	Male	63.86	74	116
Female	1.03	0	NC*				
Total	2.40	2	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	5.95	4	NC*	Male	4.12	3	NC*
Female	3.75	11	293 ~+	Female	2.50	3	NC*
Total	9.70	15	155	Total	6.62	6	91
<u>Larynx</u>				<u>Testis</u>			
Male	3.45	4	NC*	Male	1.99	2	NC*
Female	0.89	0	NC*				

Total	4.35	4	NC*
Leukemia			
Male	4.60	5	109
Female	3.56	2	NC*
Total	8.16	7	86

Thyroid			
Male	1.27	1	NC*
Female	3.20	3	NC*
Total	4.47	4	NC*

Liver and Intrahepatic Bile Ducts			
Male	2.31	1	NC*
Female	0.96	0	NC*
Total	3.28	1	NC*

Uteri, Corpus and Uterus, NOS			
Female	12.24	16	131

Lung and Bronchus			
Male	32.27	30	93
Female	26.43	25	95
Total	58.69	55	94

All Sites / Types			
Male	202.91	214	105
Female	192.49	248	129 ^+
Total	395.40	462	117 ~+

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

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indicates statistical significance at the $p \leq 0.05$ level

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^ indicates statistical significance at the $p \leq 0.001$ level, as well as at the $p \leq 0.05$ and $p \leq 0.01$ levels

Weymouth

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
Bladder, Urinary			
Male	33.14	45	136
Female	14.41	18	125
Total	47.55	63	132 #+

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
Melanoma of Skin			
Male	22.44	17	76
Female	18.88	20	106
Total	41.32	37	90

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
Brain and Other Central Nervous System			
Male	10.13	13	128
Female	8.92	11	123
Total	19.05	24	126

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
Multiple Myeloma			
Male	6.47	9	139
Female	6.44	5	78
Total	12.91	14	108

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
Breast			
Male	1.57	3	NC*
Female	225.28	253	112
Total	226.85	256	113

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
Non-Hodgkin('s) Lymphoma			
Male	27.13	35	129
Female	27.32	18	66
Total	54.46	53	97

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
Cervix Uteri			
Female	12.80	12	94

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
Oral Cavity and Pharynx			
Male	20.74	32	154 #+
Female	11.24	10	89
Total	31.99	42	131

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
Colon / Rectum			
Male	82.61	100	121
Female	90.42	118	131 ~+
Total	173.03	218	126 ~+

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
Ovary			
Female	26.29	28	106

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
Esophagus			
Male	11.91	25	210 ~+
Female	4.41	6	136
Total	16.32	31	190 ~+

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
Pancreas			
Male	13.93	14	100
Female	16.71	15	90
Total	30.64	29	95

Hodgkin's Disease (Hodgkin Lymphoma)

Male	5.30	10	189
Female	4.39	6	137
Total	9.68	16	165

Kidney and Renal Pelvis

Male	19.62	24	122
Female	13.77	18	131
Total	33.39	42	126

Larynx

Male	11.20	7	62
Female	3.15	1	NC*
Total	14.35	8	56

Leukemia

Male	15.73	20	127
Female	13.63	12	88
Total	29.36	32	109

Liver and Intrahepatic Bile Ducts

Male	7.63	7	92
Female	3.63	5	138
Total	11.26	12	107

Lung and Bronchus

Male	105.74	151	143 ^+
Female	95.37	134	140 ^+
Total	201.11	285	142 ^+

Prostate

Male	207.45	216	104
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Stomach

Male	13.94	11	79
Female	9.79	8	82
Total	23.73	19	80

Testis

Male	8.35	6	72
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Thyroid

Male	4.59	2	NC*
Female	13.02	12	92
Total	17.61	14	80

Uteri, Corpus and Uterus, NOS

Female	43.48	40	92
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All Sites / Types

Male	675.14	800	118 ^+
Female	715.56	813	114 ^+
Total	1390.70	1613	116 ^+

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

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indicates statistical significance at the $p \leq 0.05$ level

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Whately**Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999**

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
Bladder, Urinary				Melanoma of Skin			
Male	1.13	0	NC*	Male	0.69	2	NC*
Female	0.36	0	NC*	Female	0.48	1	NC*
Total	1.49	0	NC*	Total	1.17	3	NC*
Brain and Other Central Nervous System				Multiple Myeloma			
Male	0.29	0	NC*	Male	0.22	0	NC*
Female	0.23	0	NC*	Female	0.17	0	NC*
Total	0.52	0	NC*	Total	0.39	0	NC*
Breast				Non-Hodgkin('s) Lymphoma			
Male	0.05	0	NC*	Male	0.84	1	NC*
Female	5.96	5	84	Female	0.70	0	NC*
Total	6.01	5	83	Total	1.54	1	NC*

Cervix Uteri

Female	0.32	0	NC*
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Colon / Rectum

Male	2.78	3	NC*
Female	2.29	1	NC*
Total	5.07	4	NC*

Esophagus

Male	0.40	0	NC*
Female	0.11	0	NC*
Total	0.51	0	NC*

Hodgkin's Disease (Hodgkin Lymphoma)

Male	0.13	0	NC*
Female	0.10	1	NC*
Total	0.23	1	NC*

Kidney and Renal Pelvis

Male	0.63	0	NC*
Female	0.36	0	NC*
Total	0.99	0	NC*

Larynx

Male	0.37	0	NC*
Female	0.09	0	NC*
Total	0.45	0	NC*

Leukemia

Male	0.50	0	NC*
Female	0.34	0	NC*
Total	0.84	0	NC*

Liver and Intrahepatic Bile Ducts

Male	0.25	1	NC*
Female	0.09	0	NC*
Total	0.34	1	NC*

Lung and Bronchus

Male	3.51	3	NC*
Female	2.53	0	NC*
Total	6.04	3	NC*

Oral Cavity and Pharynx

Male	0.67	0	NC*
Female	0.29	0	NC*
Total	0.96	0	NC*

Ovary

Female	0.69	2	NC*
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Pancreas

Male	0.47	1	NC*
Female	0.42	1	NC*
Total	0.89	2	NC*

Prostate

Male	6.88	4	NC*
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Stomach

Male	0.47	0	NC*
Female	0.24	0	NC*
Total	0.71	0	NC*

Testis

Male	0.16	1	NC*
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Thyroid

Male	0.12	0	NC*
Female	0.31	0	NC*
Total	0.44	0	NC*

Uteri, Corpus and Uterus, NOS

Female	1.18	0	NC*
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All Sites / Types

Male	22.01	17	77
Female	18.59	11	59
Total	40.60	28	69 #-

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Whitman

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			

Male	6.79	10	147	Male	4.92	5	102
Female	2.92	4	NC*	Female	4.11	4	NC*
Total	9.71	14	144	Total	9.03	9	100
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	2.32	3	NC*	Male	1.37	4	NC*
Female	1.95	2	NC*	Female	1.31	1	NC*
Total	4.27	5	117	Total	2.68	5	187
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.33	1	NC*	Male	5.92	2	NC*
Female	47.91	54	113	Female	5.65	7	124
Total	48.24	55	114	Total	11.57	9	78
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	2.85	1	NC*	Male	4.63	1	NC*
<u>Colon / Rectum</u>				Female	2.36	2	NC*
Male	17.01	20	118	Total	6.98	3	NC*
Female	18.34	12	65	<u>Ovary</u>			
Total	35.35	32	91	Female	5.63	3	NC*
<u>Esophagus</u>				<u>Pancreas</u>			
Male	2.56	3	NC*	Male	2.92	2	NC*
Female	0.89	2	NC*	Female	3.35	4	NC*
Total	3.45	5	145	Total	6.28	6	96
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	1.24	2	NC*	Male	43.24	37	86
Female	1.00	0	NC*	<u>Stomach</u>			
Total	2.24	2	NC*	Male	2.92	1	NC*
<u>Kidney and Renal Pelvis</u>				Female	2.01	0	NC*
Male	4.29	4	NC*	Total	4.93	1	NC*
Female	2.85	1	NC*	<u>Testis</u>			
Total	7.13	5	70	Male	1.93	1	NC*
<u>Larynx</u>				<u>Thyroid</u>			
Male	2.44	1	NC*	Male	1.05	1	NC*
Female	0.65	1	NC*	Female	2.95	6	203
Total	3.08	2	NC*	Total	4.01	7	175
<u>Leukemia</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	3.47	3	NC*	Female	9.13	5	55
Female	2.97	4	NC*	<u>All Sites / Types</u>			
Total	6.44	7	109	Male	142.68	131	92
<u>Liver and Intrahepatic Bile Ducts</u>				Female	149.65	143	96
Male	1.66	1	NC*	Total	292.33	274	94
Female	0.74	0	NC*				
Total	2.40	1	NC*				
<u>Lung and Bronchus</u>							
Male	21.97	18	82				
Female	19.16	19	99				
Total	41.13	37	90				

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Wilbraham

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	10.71	7	65	Male	7.01	6	86
Female	3.64	3	NC*	Female	4.90	4	NC*
Total	14.35	10	70	Total	11.91	10	84
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	3.06	11	359 ^+	Male	2.14	1	NC*
Female	2.33	3	NC*	Female	1.72	2	NC*
Total	5.39	14	260 ~+	Total	3.86	3	NC*
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.51	1	NC*	Male	8.35	6	72
Female	62.26	58	93	Female	7.05	5	71
Total	62.78	59	94	Total	15.40	11	71
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	3.24	0	NC*	Male	6.85	4	NC*
				Female	3.03	1	NC*
				Total	9.89	5	51
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	26.72	20	75	Female	7.15	6	84
Female	22.71	14	62				
Total	49.43	34	69 #-				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	3.98	2	NC*	Male	4.55	5	110
Female	1.11	0	NC*	Female	4.25	1	NC*
Total	5.09	2	NC*	Total	8.80	6	68
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	1.32	1	NC*	Male	69.69	66	95
Female	0.99	1	NC*				
Total	2.31	2	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	6.45	3	NC*	Male	4.49	6	134
Female	3.72	2	NC*	Female	2.40	1	NC*
Total	10.16	5	49	Total	6.89	7	102
<u>Larynx</u>				<u>Testis</u>			
Male	3.78	2	NC*	Male	1.76	2	NC*
Female	0.90	0	NC*				
Total	4.68	2	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	4.88	4	NC*	Male	1.30	1	NC*
Female	3.50	3	NC*	Female	3.18	3	NC*
Total	8.38	7	84	Total	4.49	4	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	2.51	2	NC*	Female	12.40	13	105
Female	0.94	0	NC*				

Total	3.44	2	NC*	All Sites / Types			
Lung and Bronchus				Male	219.11	183	84 #-
Male	34.98	23	66 #-	Female	190.67	158	83 #-
Female	26.05	24	92	Total	409.78	341	83 ^-
Total	61.03	47	77				

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Williamsburg

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	1.50	1	NC*	Male	1.11	2	NC*
Female	0.68	0	NC*	Female	0.93	2	NC*
Total	2.18	1	NC*	Total	2.03	4	NC*
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.50	0	NC*	Male	0.31	1	NC*
Female	0.43	2	NC*	Female	0.30	0	NC*
Total	0.93	2	NC*	Total	0.61	1	NC*
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.07	0	NC*	Male	1.31	4	NC*
Female	11.07	7	63	Female	1.28	0	NC*
Total	11.15	7	63	Total	2.59	4	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	0.63	0	NC*	Male	1.05	1	NC*
				Female	0.55	0	NC*
				Total	1.59	1	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	3.78	3	NC*	Female	1.28	0	NC*
Female	4.23	1	NC*				
Total	8.00	4	NC*				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.58	3	NC*	Male	0.65	0	NC*
Female	0.21	0	NC*	Female	0.77	2	NC*
Total	0.78	3	NC*	Total	1.42	2	NC*
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	0.26	0	NC*	Male	9.76	8	82
Female	0.21	1	NC*				
Total	0.47	1	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	0.98	0	NC*	Male	0.64	0	NC*
Female	0.65	0	NC*	Female	0.46	0	NC*
Total	1.63	0	NC*	Total	1.11	0	NC*

<u>Larynx</u>				<u>Testis</u>			
Male	0.56	2	NC*	Male	0.41	0	NC*
Female	0.15	0	NC*				
Total	0.71	2	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	0.75	1	NC*	Male	0.23	0	NC*
Female	0.67	0	NC*	Female	0.64	1	NC*
Total	1.42	1	NC*	Total	0.87	1	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.37	0	NC*	Female	2.13	3	NC*
Female	0.17	0	NC*				
Total	0.54	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	4.97	5	101	Male	31.91	32	100
Female	4.41	8	181	Female	34.34	31	90
Total	9.38	13	139	Total	66.25	63	95

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Williamstown

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	6.43	7	109	Male	4.03	0	NC*
Female	2.75	2	NC*	Female	3.25	4	NC*
Total	9.18	9	98	Total	7.28	4	NC*
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.76	1	NC*	Male	1.22	1	NC*
Female	1.51	3	NC*	Female	1.18	0	NC*
Total	3.27	4	NC*	Total	2.40	1	NC*
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.29	0	NC*	Male	4.94	2	NC*
Female	39.33	43	109	Female	4.89	4	NC*
Total	39.62	43	109	Total	9.82	6	61
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	2.08	1	NC*	Male	3.72	2	NC*
				Female	2.02	1	NC*
				Total	5.74	3	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	15.80	12	76	Female	4.53	2	NC*
Female	17.26	19	110				
Total	33.07	31	94				
<u>Esophagus</u>				<u>Pancreas</u>			

Male	2.19	0	NC*	Male	2.63	2	NC*
Female	0.84	0	NC*	Female	3.14	1	NC*
Total	3.03	0	NC*	Total	5.78	3	NC*
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	0.86	1	NC*	Male	37.89	44	116
Female	0.69	1	NC*				
Total	1.55	2	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	3.58	6	168	Male	2.69	1	NC*
Female	2.44	2	NC*	Female	1.91	0	NC*
Total	6.02	8	133	Total	4.59	1	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	2.02	0	NC*	Male	1.25	1	NC*
Female	0.54	0	NC*				
Total	2.56	0	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	2.93	7	239	Male	0.75	0	NC*
Female	2.52	2	NC*	Female	2.06	0	NC*
Total	5.44	9	165	Total	2.82	0	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	1.39	0	NC*	Female	7.55	7	93
Female	0.67	3	NC*				
Total	2.06	3	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	19.60	15	77	Male	124.51	106	85
Female	16.65	13	78	Female	127.66	114	89
Total	36.24	28	77	Total	252.17	220	87 #-

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Wilmington

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	10.10	10	99	Male	7.83	13	166
Female	3.45	3	NC*	Female	5.79	9	156
Total	13.55	13	96	Total	13.61	22	162 #+
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	3.75	2	NC*	Male	2.11	2	NC*
Female	2.81	2	NC*	Female	1.71	2	NC*
Total	6.56	4	NC*	Total	3.82	4	NC*
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.52	0	NC*	Male	9.26	9	97

Female	68.68	70	102	Female	7.43	9	121
Total	69.20	70	101	Total	16.69	18	108
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	4.21	2	NC*	Male	7.52	4	NC*
				Female	3.21	3	NC*
				Total	10.74	7	65
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	25.67	33	129	Female	8.11	11	136
Female	21.45	31	145				
Total	47.13	64	136 #+				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	4.08	3	NC*	Male	4.50	5	111
Female	1.04	0	NC*	Female	4.05	5	123
Total	5.12	3	NC*	Total	8.55	10	117
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	2.00	2	NC*	Male	69.16	83	120
Female	1.43	0	NC*				
Total	3.43	2	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	6.85	9	131	Male	4.39	2	NC*
Female	3.92	3	NC*	Female	2.27	5	220
Total	10.77	12	111	Total	6.66	7	105
<u>Larynx</u>				<u>Testis</u>			
Male	3.97	2	NC*	Male	3.14	5	159
Female	0.96	0	NC*				
Total	4.93	2	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	5.35	9	168	Male	1.74	3	NC*
Female	3.86	4	NC*	Female	4.39	9	205
Total	9.21	13	141	Total	6.13	12	196 #+
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	2.66	5	188	Female	13.38	15	112
Female	0.92	1	NC*				
Total	3.58	6	168				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	34.47	31	90	Male	223.82	256	114 #+
Female	26.70	40	150 #+	Female	203.07	237	117 #+
Total	61.17	71	116	Total	426.89	493	115 ~+

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(Obs / Exp) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

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indicates statistical significance at the $p \leq 0.05$ level

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Winchendon

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	4.92	8	163	Male	3.48	1	NC*
Female	1.94	0	NC*	Female	2.75	1	NC*
Total	6.86	8	117	Total	6.23	2	NC*
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.64	0	NC*	Male	0.98	1	NC*
Female	1.33	1	NC*	Female	0.87	1	NC*
Total	2.97	1	NC*	Total	1.85	2	NC*
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.24	0	NC*	Male	4.21	1	NC*
Female	31.59	18	57 #-	Female	3.80	4	NC*
Total	31.82	18	57 #-	Total	8.01	5	62
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	1.93	2	NC*	Male	3.24	3	NC*
				Female	1.56	6	385 #+
				Total	4.79	9	188
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	12.27	8	65	Female	3.74	2	NC*
Female	12.23	16	131				
Total	24.49	24	98				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	1.81	1	NC*	Male	2.09	0	NC*
Female	0.59	2	NC*	Female	2.24	2	NC*
Total	2.40	3	NC*	Total	4.33	2	NC*
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	0.87	0	NC*	Male	30.63	22	72
Female	0.70	0	NC*				
Total	1.58	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	3.03	0	NC*	Male	2.10	0	NC*
Female	1.90	4	NC*	Female	1.34	2	NC*
Total	4.92	4	NC*	Total	3.44	2	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	1.71	1	NC*	Male	1.36	1	NC*
Female	0.43	1	NC*				
Total	2.13	2	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	2.49	3	NC*	Male	0.73	0	NC*
Female	2.00	3	NC*	Female	2.02	2	NC*
Total	4.49	6	134	Total	2.76	2	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	1.17	2	NC*	Female	5.99	4	NC*
Female	0.49	0	NC*				
Total	1.66	2	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	15.67	17	108	Male	101.62	74	73 ~-
Female	12.79	13	102	Female	99.50	93	93
Total	28.46	30	105	Total	201.12	167	83 #-

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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Winchester

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	15.15	5	33 ~-	Male	9.92	14	141
Female	6.13	4	NC*	Female	7.83	10	128
Total	21.28	9	42 ~-	Total	17.74	24	135
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	4.35	2	NC*	Male	2.97	4	NC*
Female	3.65	3	NC*	Female	2.76	1	NC*
Total	8.00	5	63	Total	5.73	5	87
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.72	0	NC*	Male	11.91	12	101
Female	96.52	92	95	Female	11.43	15	131
Total	97.24	92	95	Total	23.34	27	116
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	5.14	3	NC*	Male	9.51	7	74
				Female	4.81	5	104
				Total	14.32	12	84
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	37.72	38	101	Female	11.11	12	108
Female	38.46	61	159 ^+				
Total	76.18	99	130 #+				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	5.53	2	NC*	Male	6.41	10	156
Female	1.87	3	NC*	Female	7.07	11	155
Total	7.41	5	68	Total	13.48	21	156
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	2.02	3	NC*	Male	96.53	102	106
Female	1.64	1	NC*				
Total	3.66	4	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	8.93	10	112	Male	6.38	8	125
Female	5.84	8	137	Female	4.15	4	NC*
Total	14.78	18	122	Total	10.53	12	114
<u>Larynx</u>				<u>Testis</u>			
Male	5.20	6	115	Male	2.86	3	NC*
Female	1.35	1	NC*				
Total	6.55	7	107				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	6.93	7	101	Male	1.90	3	NC*
Female	5.72	6	105	Female	5.10	4	NC*
Total	12.64	13	103	Total	7.00	7	100

Liver and Intrahepatic Bile Ducts

Male	3.49	6	172
Female	1.54	2	NC*
Total	5.03	8	159

Lung and Bronchus

Male	48.62	39	80
Female	40.44	30	74
Total	89.05	69	77 #-

Uteri, Corpus and Uterus, NOS

Female	18.84	10	53 #-
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All Sites / Types

Male	307.15	297	97
Female	303.56	311	102
Total	610.72	608	100

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Windsor**Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999**

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	0.66	0	NC*	Male	0.43	1	NC*
Female	0.17	0	NC*	Female	0.25	0	NC*
Total	0.84	0	NC*	Total	0.68	1	NC*
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.19	0	NC*	Male	0.13	0	NC*
Female	0.12	0	NC*	Female	0.08	0	NC*
Total	0.31	0	NC*	Total	0.21	0	NC*
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.03	0	NC*	Male	0.52	1	NC*
Female	3.14	1	NC*	Female	0.34	0	NC*
Total	3.17	1	NC*	Total	0.86	1	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	0.17	0	NC*	Male	0.42	1	NC*
				Female	0.15	0	NC*
				Total	0.57	1	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	1.64	0	NC*	Female	0.36	2	NC*
Female	1.08	0	NC*				
Total	2.72	0	NC*	<u>Pancreas</u>			
<u>Esophagus</u>				Male	0.28	0	NC*
Male	0.24	0	NC*	Female	0.20	0	NC*
Female	0.05	0	NC*	Total	0.48	0	NC*
Total	0.29	0	NC*	<u>Prostate</u>			
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				Male	4.08	1	NC*
Male	0.08	0	NC*				
Female	0.06	0	NC*	<u>Stomach</u>			
Total	0.14	0	NC*				
<u>Kidney and Renal Pelvis</u>							

Male	0.38	1	NC*
Female	0.18	0	NC*
Total	0.56	1	NC*

Larynx

Male	0.22	0	NC*
Female	0.04	0	NC*
Total	0.27	0	NC*

Leukemia

Male	0.30	1	NC*
Female	0.18	0	NC*
Total	0.48	1	NC*

Liver and Intrahepatic Bile Ducts

Male	0.15	0	NC*
Female	0.04	0	NC*
Total	0.19	0	NC*

Lung and Bronchus

Male	2.05	0	NC*
Female	1.23	1	NC*
Total	3.28	1	NC*

Male	0.29	0	NC*
Female	0.12	0	NC*
Total	0.40	0	NC*

Testis

Male	0.11	0	NC*
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Thyroid

Male	0.08	0	NC*
Female	0.18	1	NC*
Total	0.26	1	NC*

Uteri, Corpus and Uterus, NOS

Female	0.62	0	NC*
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All Sites / Types

Male	13.17	7	53
Female	9.42	6	64
Total	22.59	13	58 #-

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Winthrop

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>			
Male	12.10	10	83
Female	5.52	4	NC*
Total	17.62	14	79

Brain and Other Central Nervous System

Male	3.36	3	NC*
Female	3.05	3	NC*
Total	6.41	6	94

Breast

Male	0.55	1	NC*
Female	79.02	79	100
Total	79.57	80	101

Cervix Uteri

Female	4.42	9	204
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Colon / Rectum

Male	29.80	30	101
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	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Melanoma of Skin</u>			
Male	7.77	9	116
Female	6.70	9	134
Total	14.47	18	124

Multiple Myeloma

Male	2.30	1	NC*
Female	2.36	1	NC*
Total	4.66	2	NC*

Non-Hodgkin('s) Lymphoma

Male	9.47	13	137
Female	9.93	13	131
Total	19.40	26	134

Oral Cavity and Pharynx

Male	7.08	11	155
Female	4.04	2	NC*
Total	11.12	13	117

Ovary

Female	34.79	36	103	Female	9.17	9	98
Total	64.59	66	102				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	4.13	2	NC*	Male	4.97	7	141
Female	1.69	2	NC*	Female	6.31	8	127
Total	5.83	4	NC*	Total	11.29	15	133
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	1.74	4	NC*	Male	71.22	70	98
Female	1.51	1	NC*				
Total	3.25	5	154				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	6.76	6	89	Male	5.08	3	NC*
Female	4.89	5	102	Female	3.84	4	NC*
Total	11.65	11	94	Total	8.92	7	79
<u>Larynx</u>				<u>Testis</u>			
Male	3.81	6	158	Male	2.71	4	NC*
Female	1.07	1	NC*				
Total	4.88	7	144				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	5.48	4	NC*	Male	1.52	2	NC*
Female	4.98	8	161	Female	4.46	3	NC*
Total	10.46	12	115	Total	5.98	5	84
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	2.62	4	NC*	Female	15.00	20	133
Female	1.35	2	NC*				
Total	3.97	6	151				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	36.89	48	130	Male	235.60	257	109
Female	33.42	40	120	Female	257.35	284	110
Total	70.30	88	125 #+	Total	492.95	541	110 #+

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Woburn

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	22.16	19	86	Male	15.30	13	85
Female	9.02	11	122	Female	12.40	16	129
Total	31.18	30	96	Total	27.70	29	105
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	7.01	5	71	Male	4.33	4	NC*
Female	5.87	6	102	Female	4.07	7	172

Total	12.88	11	85
Breast			
Male	1.05	1	NC*
Female	145.30	138	95
Total	146.36	139	95

Cervix Uteri

Female	8.65	5	58
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Colon / Rectum

Male	55.54	68	122
Female	56.51	67	119
Total	112.05	135	120 #+

Esophagus

Male	8.02	9	112
Female	2.76	1	NC*
Total	10.78	10	93

Hodgkin's Disease (Hodgkin Lymphoma)

Male	3.81	4	NC*
Female	3.03	2	NC*
Total	6.84	6	88

Kidney and Renal Pelvis

Male	13.25	12	91
Female	8.82	5	57
Total	22.07	17	77

Larynx

Male	7.58	8	106
Female	2.02	0	NC*
Total	9.61	8	83

Leukemia

Male	10.67	14	131
Female	8.72	12	138
Total	19.39	26	134

Liver and Intrahepatic Bile Ducts

Male	5.17	6	116
Female	2.29	3	NC*
Total	7.46	9	121

Lung and Bronchus

Male	71.77	84	117
Female	60.92	80	131 #+
Total	132.69	164	124 ~+

Total	8.40	11	131
<u>Non-Hodgkin('s) Lymphoma</u>			
Male	18.50	16	86
Female	17.51	17	97
Total	36.01	33	92

Oral Cavity and Pharynx

Male	13.99	10	71
Female	7.18	7	97
Total	21.18	17	80

Ovary

Female	17.09	17	99
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Pancreas

Male	9.35	10	107
Female	10.49	19	181 #+
Total	19.85	29	146

Prostate

Male	141.32	155	110
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Stomach

Male	9.29	7	75
Female	6.12	8	131
Total	15.41	15	97

Testis

Male	6.21	6	97
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Thyroid

Male	3.23	4	NC*
Female	8.92	4	NC*
Total	12.15	8	66

Uteri, Corpus and Uterus, NOS

Female	27.89	23	82
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All Sites / Types

Male	458.41	486	106
Female	458.51	496	108
Total	916.92	982	107 #+

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Worcester

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	107.02	86	80 #-	Male	67.90	55	81
Female	47.65	42	88	Female	57.23	40	70 #-
Total	154.66	128	83 #-	Total	125.13	95	76 ~-
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	30.44	26	85	Male	20.08	21	105
Female	27.50	24	87	Female	20.38	26	128
Total	57.94	50	86	Total	40.47	47	116
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	4.82	3	NC*	Male	83.91	100	119
Female	671.65	575	86 ^-	Female	86.55	87	101
Total	676.47	578	85 ^-	Total	170.46	187	110
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	37.62	42	112	Male	60.49	64	106
				Female	34.63	37	107
				Total	95.12	101	106
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	263.00	221	84 ~-	Female	78.53	72	92
Female	300.87	275	91				
Total	563.87	496	88 ~-				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	35.58	30	84	Male	43.40	47	108
Female	14.64	9	61	Female	54.69	50	91
Total	50.21	39	78	Total	98.09	97	99
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	16.22	14	86	Male	618.72	504	81 ^-
Female	13.60	11	81				
Total	29.83	25	84				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	58.81	49	83	Male	44.47	50	112
Female	42.37	42	99	Female	32.94	26	79
Total	101.18	91	90	Total	77.41	76	98
<u>Larynx</u>				<u>Testis</u>			
Male	32.60	33	101	Male	25.61	24	94
Female	9.20	8	87				
Total	41.80	41	98				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	49.89	43	86	Male	13.31	7	53
Female	44.07	49	111	Female	38.36	48	125
Total	93.95	92	98	Total	51.67	55	106
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	22.76	31	136	Female	127.88	148	116
Female	11.77	6	51				
Total	34.53	37	107				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	323.36	333	103	Male	2067.78	1879	91 ^-
Female	291.51	300	103	Female	2215.12	2071	93 ~-
Total	614.87	633	103	Total	4282.90	3950	92 ^-

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

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indicates statistical significance at the $p \leq 0.05$ level

~ indicates statistical significance at the $p \leq 0.01$ level, as well as at the $p \leq 0.05$ level

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Worthington

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	0.93	1	NC*	Male	0.63	1	NC*
Female	0.27	0	NC*	Female	0.42	0	NC*
Total	1.20	1	NC*	Total	1.06	1	NC*
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.28	0	NC*	Male	0.19	0	NC*
Female	0.20	0	NC*	Female	0.13	0	NC*
Total	0.48	0	NC*	Total	0.32	0	NC*
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.04	0	NC*	Male	0.75	2	NC*
Female	5.12	4	NC*	Female	0.55	0	NC*
Total	5.16	4	NC*	Total	1.30	2	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	0.30	0	NC*	Male	0.62	0	NC*
				Female	0.24	0	NC*
				Total	0.86	0	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	2.31	0	NC*	Female	0.60	0	NC*
Female	1.67	1	NC*				
Total	3.98	1	NC*				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.35	1	NC*	Male	0.40	0	NC*
Female	0.08	0	NC*	Female	0.31	0	NC*
Total	0.43	1	NC*	Total	0.71	0	NC*
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	0.13	1	NC*	Male	5.97	7	117
Female	0.10	0	NC*				
Total	0.22	1	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	0.57	1	NC*	Male	0.39	0	NC*
Female	0.29	0	NC*	Female	0.18	0	NC*
Total	0.86	1	NC*	Total	0.58	0	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	0.33	0	NC*	Male	0.17	1	NC*
Female	0.07	0	NC*				
Total	0.40	0	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			

Male	0.44	0	NC*
Female	0.29	1	NC*
Total	0.72	1	NC*

Male	0.12	1	NC*
Female	0.31	0	NC*
Total	0.43	1	NC*

Liver and Intrahepatic Bile Ducts

Male	0.22	0	NC*
Female	0.07	0	NC*
Total	0.29	0	NC*

Uteri, Corpus and Uterus, NOS

Female	0.99	0	NC*
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Lung and Bronchus

Male	3.01	1	NC*
Female	1.95	0	NC*
Total	4.95	1	NC*

All Sites / Types

Male	19.10	17	89
Female	15.15	6	40 #-
Total	34.25	23	67

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Wrentham

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	5.27	5	95	Male	4.10	6	146
Female	2.04	3	NC*	Female	3.15	5	159
Total	7.31	8	109	Total	7.26	11	152
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.93	0	NC*	Male	1.11	1	NC*
Female	1.48	0	NC*	Female	0.96	2	NC*
Total	3.41	0	NC*	Total	2.07	3	NC*
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.27	0	NC*	Male	4.84	5	103
Female	37.43	36	96	Female	4.12	2	NC*
Total	37.70	36	95	Total	8.96	7	78
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	2.23	1	NC*	Male	4.02	6	149
				Female	1.79	4	NC*
				Total	5.81	10	172
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	13.33	12	90	Female	4.38	7	160
Female	12.71	17	134				
Total	26.03	29	111				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	2.16	0	NC*	Male	2.37	0	NC*
Female	0.62	1	NC*	Female	2.36	1	NC*
Total	2.77	1	NC*	Total	4.73	1	NC*
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	1.00	1	NC*	Male	35.36	26	74

Female	0.75	1	NC*
Total	1.74	2	NC*

Kidney and Renal Pelvis

Male	3.59	2	NC*
Female	2.15	2	NC*
Total	5.74	4	NC*

Larynx

Male	2.08	1	NC*
Female	0.51	0	NC*
Total	2.59	1	NC*

Leukemia

Male	2.77	5	180
Female	2.18	3	NC*
Total	4.96	8	161

Liver and Intrahepatic Bile Ducts

Male	1.39	0	NC*
Female	0.53	1	NC*
Total	1.92	1	NC*

Lung and Bronchus

Male	17.60	21	119
Female	14.38	15	104
Total	31.99	36	113

Stomach

Male	2.34	1	NC*
Female	1.38	0	NC*
Total	3.73	1	NC*

Testis

Male	1.52	2	NC*
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Thyroid

Male	0.90	0	NC*
Female	2.30	2	NC*
Total	3.20	2	NC*

Uteri, Corpus and Uterus, NOS

Female	7.22	14	194 #+
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All Sites / Types

Male	115.61	101	87
Female	112.45	125	111
Total	228.05	226	99

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Yarmouth

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	31.00	31	100	Male	15.60	27	173 #+
Female	12.34	19	154	Female	11.47	19	166
Total	43.34	50	115	Total	27.07	46	170 ~+
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	5.85	9	154	Male	5.46	8	147
Female	5.40	9	167	Female	5.07	4	NC*
Total	11.25	18	160	Total	10.53	12	114
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	1.28	2	NC*	Male	19.73	29	147
Female	146.67	162	110	Female	20.34	16	79
Total	147.95	164	111	Total	40.06	45	112
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	6.39	5	78	Male	13.84	8	58
				Female	8.02	6	75

				Total	21.86	14	64
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	74.23	69	93				
Female	78.06	69	88	Female	16.55	21	127
Total	152.29	138	91				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	9.06	10	110	Male	11.82	15	127
Female	3.82	1	NC*	Female	14.15	19	134
Total	12.89	11	85	Total	25.98	34	131
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	2.26	4	NC*	Male	161.95	235	145 ^+
Female	2.05	1	NC*				
Total	4.31	5	116	<u>Stomach</u>			
<u>Kidney and Renal Pelvis</u>				Male	12.45	9	72
Male	14.27	14	98	Female	8.49	3	NC*
Female	9.90	12	121	Total	20.94	12	57
Total	24.17	26	108	<u>Testis</u>			
<u>Larynx</u>				Male	2.64	4	NC*
Male	7.87	10	127				
Female	2.12	1	NC*	<u>Thyroid</u>			
Total	9.99	11	110	Male	2.15	0	NC*
<u>Leukemia</u>				Female	5.86	6	102
Male	11.95	13	109	Total	8.00	6	75
Female	9.79	16	163	<u>Uteri, Corpus and Uterus, NOS</u>			
Total	21.74	29	133	Female	28.72	29	101
<u>Liver and Intrahepatic Bile Ducts</u>							
Male	5.52	6	109	<u>All Sites / Types</u>			
Female	2.95	0	NC*	Male	532.88	637	120 ^+
Total	8.48	6	71	Female	510.82	564	110 #+
<u>Lung and Bronchus</u>				Total	1043.70	1201	115 ^+
Male	86.60	84	97				
Female	70.74	102	144 ^+				
Total	157.34	186	118 #+				

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