

Table 1A

Cancer Incidence in Wayland, MA 1982-1992

Cancer Type	Total				Male				Female			
	Obs	Exp	SIR	95% CI	Obs	Exp	SIR	95% CI	Obs	Exp	SIR	95% CI
Bladder	22	24.6	90	56--136	19	18.2	104	63--163	3	6.4	NC	NC
Breast	97	94.2	103	83--126	1	0.6	NC	NC	96	93.6	103	83--125
Hodgkin's	5	4.8	104	33--243	2	2.6	NC	NC	3	2.2	NC	NC
Kidney	12	13.2	91	47--159	8	8.3	96	41--190	4	4.9	NC	NC
Leukemia	10	10.8	93	44--171	3	6.3	NC	NC	7	4.5	156	63--322
Liver	3	2.7	NC	NC	2	1.9	NC	NC	1	0.8	NC	NC
Lung	69	83.0	83	65--106	37	53.0	70 *	49--97	32	30.0	107	73--151
NHL	17	19.1	89	52--143	5	10.3	49	16--113	12	8.8	137	71--239
Pancreas	13	12.0	108	57--185	10	6.1	164	78--301	3	5.9	NC	NC
Stomach	7	12.2	57	23--118	5	7.8	57	23--118	2	4.5	NC	NC

Notes:
 Expected number of cases presented are rounded to the nearest tenth. SIRs are calculated based on the exact number of expected cases.
 SIRs and 95% Confidence Interval are not calculated when fewer than 5 cases are observed.
 Obs = Observed number of cases Exp = Expected number of cases SIR = Standardized Incidence Ratio NC = Not Calculated
 NHL = non-Hodgkin's Lymphoma Lung = Lung and Bronchus 95% CI = 95% Confidence Interval * Indicates statistical significance (P<.05)

Table 1B

Cancer Incidence in Wayland, MA 1982-1986 and 1987-1992

1982-1986

Cancer Type	Total				Male				Female			
	Obs	Exp	SIR	95% CI	Obs	Exp	SIR	95% CI	Obs	Exp	SIR	95% CI
Bladder	9	11.1	81	37--154	8	8.2	97	42--192	1	2.9	NC	NC
Breast	41	38.4	107	77--145	0	0.2	NC	NC	41	38.2	107	77--146
Hodgkins	2	2.2	NC	NC	1	1.2	NC	NC	1	1	NC	NC
Kidney	4	4.9	NC	NC	3	3.1	NC	NC	1	1.9	NC	NC
Leukemia	5	5.0	100	32--234	1	2.9	NC	NC	4	2.1	NC	NC
Liver	0	1.1	NC	NC	0	0.8	NC	NC	0	0.3	NC	NC
Lung	27	36.5	74	49--108	15	24.3	62	35--102	12	12.2	98	51--171
NHL	5	7.7	65	21--151	1	4.1	NC	NC	4	3.6	NC	NC
Pancreas	8	5.6	143	61--281	6	2.8	214	78--465	2	2.8	NC	NC
Stomach	3	6.0	NC	NC	2	3.8	NC	NC	1	2.2	NC	NC

1987-1992

Cancer Type	Total				Male				Female			
	Obs	Exp	SIR	95% CI	Obs	Exp	SIR	95% CI	Obs	Exp	SIR	95% CI
Bladder	13	13.4	97	52--166	11	10.0	110	55--198	2	3.5	NC	NC
Breast	56	55.8	100	76--130	1	0.4	NC	NC	55	55.4	99	75--129
Hodgkins	3	2.6	NC	NC	1	1.4	NC	NC	2	1.2	NC	NC
Kidney	8	8.2	98	42--192	5	5.2	96	31--225	3	3.0	NC	NC
Leukemia	5	5.7	87	28--202	2	3.4	NC	NC	3	2.4	NC	NC
Liver	3	1.6	NC	NC	2	1.2	NC	NC	1	0.4	NC	NC
Lung	42	46.2	91	66--123	22	28.4	77	49--117	20	17.7	113	69--174
NHL	12	11.3	106	55--186	4	6.1	NC	NC	8	5.2	155	67--305
Pancreas	5	6.4	78	25--182	4	3.3	NC	NC	1	3.1	NC	NC
Stomach	4	6.3	NC	NC	3	3.9	NC	NC	1	2.3	NC	NC

Notes:

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Obs = Observed number of cases Exp = Expected number of cases SIR = Standardized Incidence Ratio NC = Not Calculated

NHL = non-Hodgkin's Lymphoma Lung = Lung and Bronchus 95% CI = 95% Confidence Interval * Indicates statistical significance (P<.05)

Table 2A

Cancer Incidence in Census Tract 3661 Wayland, MA 1982-1992

Cancer Type	Total				Male				Female			
	Obs	Exp	SIR	95% CI	Obs	Exp	SIR	95% CI	Obs	Exp	SIR	95% CI
Bladder	10	10.1	99	47--482	8	7.1	113	49--223	2	3.0	NC	NC
Breast	39	39.6	98	70--135	1	0.2	NC	NC	38	39.4	97	68--133
Hodgkin's	3	1.9	NC	NC	1	1.0	NC	NC	2	0.9	NC	NC
Kidney	6	5.1	117	43--254	5	3.0	164	53--383	1	2.1	NC	NC
Leukemia	2	4.4	NC	NC	0	2.4	NC	NC	2	2.0	NC	NC
Liver	1	1.1	NC	NC	1	0.7	NC	NC	0	0.3	NC	NC
Lung	37	32.0	116	81--159	17	19.5	87	51--140	20	12.5	160	97--247
NHL	9	7.9	114	52--217	3	3.9	NC	NC	6	4.0	151	55--329
Pancreas	5	5.2	97	31-226	3	2.3	NC	NC	2	2.8	NC	NC
Stomach	3	5.3	NC	NC	2	3.0	NC	NC	1	2.2	NC	NC

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Table 2B
Cancer Incidence in Census Tract 3661, Wayland, MA 1982-1986 and 1987-1992

1982-1986

Cancer Type	Total				Male				Female			
	Obs	Exp	SIR	95% CI	Obs	Exp	SIR	95% CI	Obs	Exp	SIR	95% CI
Bladder	5	4.6	109	35--253	4	3.2	NC	NC	1	1.4	NC	NC
Breast	21	16.3	129	80--197	0	0.1	NC	NC	21	16.2	130	80--198
Hodgkins	2	0.8	NC	NC	1	0.5	NC	NC	1	0.4	NC	NC
Kidney	2	1.9	NC	NC	1	1.1	NC	NC	1	0.8	NC	NC
Leukemia	2	2.1	NC	NC	0	1.1	NC	NC	2	1.0	NC	NC
Liver	0	0.4	NC	NC	0	0.3	NC	NC	0	0.2	NC	NC
Lung	12	14.0	86	44--149	5	9.0	56	18--130	7	5.1	138	55--284
NHL	3	3.2	NC	NC	0	1.5	NC	NC	3	1.6	NC	NC
Pancreas	4	2.4	NC	NC	3	1.2	NC	NC	1	1.5	NC	NC
Stomach	2	2.6	NC	NC	1	1.5	NC	NC	1	1.1	NC	NC

1987-1992

Cancer Type	Total				Male				Female			
	Obs	Exp	SIR	95% CI	Obs	Exp	SIR	95% CI	Obs	Exp	SIR	95% CI
Bladder	5	5.5	91	29--213	4	3.9	NC	NC	1	1.6	NC	NC
Breast	18	23.3	77	46--122	1	0.1	NC	NC	17	23.0	74	43--118
Hodgkins	1	1	NC	NC	0	0.5	NC	NC	1	0.5	NC	NC
Kidney	4	3.2	NC	NC	4	1.9	NC	NC	0	1.3	NC	NC
Leukemia	0	2.3	NC	NC	0	1.3	NC	NC	0	1.1	NC	NC
Liver	1	0.6	NC	NC	1	0.4	NC	NC	0	0.2	NC	NC
Lung	25	18.0	139	90--206	12	10.5	114	59--200	13	7.4	175	93--299
NHL	6	4.7	129	47--281	3	2.3	NC	NC	3	2.3	NC	NC
Pancreas	1	2.7	NC	NC	0	1.2	NC	NC	1	1.5	NC	NC
Stomach	1	2.7	NC	NC	1	1.5	NC	NC	0	1.2	NC	NC

Notes:

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 NHL = non-Hodgkin's Lymphoma Lung = Lung and Bronchus 95% CI = 95% Confidence Interval * Indicates statistical significance (P<.05)

Table 3A

Cancer Incidence in Census Tract 3662 Wayland, MA 1982-1992

Cancer Type	Total				Male				Female			
	Obs	Exp	SIR	95% CI	Obs	Exp	SIR	95% CI	Obs	Exp	SIR	95% CI
Bladder	12	14.5	83	43--145	11	11.1	98	49--176	1	3.3	NC	NC
Breast	58	54.6	106	80--137	0	0.4	NC	NC	58	54.2	107	81--138
Hodgkin's	2	2.9	NC	NC	1	1.6	NC	NC	1	1.3	NC	NC
Kidney	6	8.0	75	27--163	3	5.3	NC	NC	3	1.3	NC	NC
Leukemia	8	6.4	126	54--248	3	3.9	NC	NC	5	2.5	203	65--474
Liver	2	1.6	NC	NC	1	1.2	NC	NC	1	0.4	NC	NC
Lung	32	50.8	63 *	43--89	20	33.3	60 *	37--93	12	17.4	69	36--120
NHL	8	11.2	71	31--140	2	6.4	NC	NC	6	4.8	125	46--273
Pancreas	8	6.9	116	50--229	7	3.8	184	74--379	1	3.1	NC	NC
Stomach	4	7.0	NC	NC	3	4.8	NC	NC	1	2.2	NC	NC

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NHL = non-Hodgkin's Lymphoma Lung = Lung and Bronchus 95% CI = 95% Confidence Interval * Indicates statistical significance (P<.05)

Table 3B

1982-1986 Cancer Incidence in Census Tract 3662, Wavland MA 1982-1986 and 1987-

Cancer Type	Total				Male				Female			
	Obs	Exp	SIR	95% CI	Obs	Exp	SIR	95% CI	Obs	Exp	SIR	95% CI
Bladder	4	6.5	NC	NC	4	5.0	NC	NC	0	1.5	NC	NC
Breast	20	22.1	90	55-139	0	0.2	NC	NC	20	22.0	91	56--141
Hodgkins	0	1.3	NC	NC	0	0.8	NC	NC	0	0.6	NC	NC
Kidney	2	3.0	NC	NC	2	2.0	NC	NC	0	1.0	NC	NC
Leukemia	3	2.9	NC	NC	1	1.8	NC	NC	2	1.2	NC	NC
Liver	0	0.7	NC	NC	0	0.5	NC	NC	0	0.2	NC	NC
Lung	15	22.5	67	37--110	10	15.3	65	31--120	5	7.1	70	22--163
NHL	2	4.6	NC	NC	1	2.6	NC	NC	1	2.0	NC	NC
Pancreas	4	3.2	NC	NC	3	1.7	NC	NC	1	1.5	NC	NC
Stomach	1	3.4	NC	NC	1	2.3	NC	NC	0	1.1	NC	NC

1987-1992

Cancer Type	Total				Male				Female			
	Obs	Exp	SIR	95% CI	Obs	Exp	SIR	95% CI	Obs	Exp	SIR	95% CI
Bladder	8	7.9	101	43--198	7	6.1	114	46--236	1	1.8	NC	NC
Breast	38	32.5	117	83--161	0	0.2	NC	NC	38	32.3	118	83--162
Hodgkins	2	1.6	NC	NC	1	0.9	NC	NC	1	0.7	NC	NC
Kidney	4	5.0	NC	NC	1	3.3	NC	NC	3	1.7	NC	NC
Leukemia	5	3.4	146	47--341	2	2.1	NC	NC	3	1.3	NC	NC
Liver	2	1.0	NC	NC	1	0.7	NC	NC	1	0.2	NC	NC
Lung	17	28.2	60 *	35--96	10	17.9	56	27--102	7	10.3	68	27--140
NHL	6	6.7	90	33--197	1	3.8	NC	NC	5	2.8	177	57--413
Pancreas	4	3.7	NC	NC	4	2.1	NC	NC	0	1.6	NC	NC
Stomach	3	3.6	NC	NC	2	2.4	NC	NC	1	1.1	NC	NC

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Table 4

Cancer Incidence in Wayland, MA 1987-1994

1987-1994	Total						Male						Female					
	Obs	Exp	SIR	95	%	CI	Obs	Exp	SIR	95	%	CI	Obs	Exp	SIR	95	%	CI
Bladder	14	17.1	82	45	--	137	10	12.8	78	38	--	144	4	4.3	NC			NC
Breast	82	75.2	109	87	--	135	1	0.6	NC			NC	81	74.7	108	86	--	135
Hodgkin's Disease	4	3.5	NC			NC	1	1.9	NC			NC	3	1.6	NC			NC
Kidney	11	11.6	95	47	--	170	8	7.4	109	47	--	214	3	4.2	NC			NC
Leukemia	6	8.1	74	27	--	161	3	4.8	NC			NC	3	3.3	NC			NC
Liver	3	2.3	NC			NC	2	1.8	NC			NC	1	0.6	NC			NC
Lung #	63	70.1	90	69	--	115	32	43.2	74	51	--	104	31	26.9	115	78	--	164
NHL	18	16.1	112	66	--	177	7	8.8	80	32	--	164	11	7.3	137	75	--	270
Pancreas	6	9.0	67	24	--	145	5	4.7	107	35	--	251	1	4.3	NC			NC
Stomach	5	10.0	50	16	--	116	4	6.9	NC			NC	1	3.1	NC			NC

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 Obs = Observed number of cases
 Exp = Expected number of cases
 SIR = Standardized Incidence Ratio
 NC = Not Calculated
 95% CI = 95% Confidence Interval
 * Indicates statistical significance (P<.05)
 # One case of lung cancer could not be mapped due to insufficient address information and was not assigned to a census tract. This case was included in the town totals.
 Data source : Massachusetts Cancer Registry, Bureau of Health Statistics, Research and Evaluation, Massachusetts Department of Public Health
 Data analysis: Community Assessment Unit, Bureau of Environmental Health Assessment, Massachusetts Department of Public Health

Table 5

Cancer Incidence in Census Tract 3661 Wayland, MA 1987-1994

1987-1994	Total						Male						Female							
	Obs	Exp	SIR	95	%	CI	Obs	Exp	SIR	95	%	CI	Obs	Exp	SIR	95	%	CI		
Bladder	6	6.8	88	32	--	192	4	4.8	NC			NC	2	2.0	NC			NC		
Breast	26	30.7	85	55	--	124	1	0.2	NC			NC	25	30.5	82	53	--	121		
Hodgkin's Disease	1	1.4	NC			NC	0	0.7	NC			NC	1	0.7	NC			NC		
Kidney	4	4.4	NC			NC	4	2.6	NC			NC	0	1.8	NC			NC		
Leukemia	1	3.2	NC			NC	1	1.8	NC			NC	0	1.5	NC			NC		
Liver	1	0.9	NC			NC	1	0.6	NC			NC	0	0.3	NC			NC		
Lung	33	26.5	125	86	--	175	14	15.4	91	50	--	152	19	11.0	172	*	104	--	269	
NHL	10	6.5	154	74	--	283	5	3.2	156	50	--	365	5	3.3	152			49	--	354
Pancreas	2	3.7	NC			NC	1	1.7	NC			NC	1	2.0	NC			NC		
Stomach	2	5.0	NC			NC	2	3.5	NC			NC	0	1.5	NC			NC		

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 SIR = Standardized Incidence Ratio
 NC = Not Calculated
 95% CI = 95% Confidence Interval
 * Indicates statistical significance (P<.05)
 Data source : Massachusetts Cancer Registry, Bureau of Health Statistics, Research and Evaluation, Massachusetts Department of Public Health
 Data Analysis: Community Assessment Unit, Bureau of Environmental Health Assessment, Massachusetts Department of Public Health

Table 6

Cancer Incidence in Census Tract 3662 Wayland, MA 1987-1994

1987-1994	Total						Male						Female							
	Obs	Exp	SIR	95 %	CI		Obs	Exp	SIR	95 %	CI		Obs	Exp	SIR	95 %	CI			
Bladder	8	10.3	78	33	--	153	6	8.0	75	27	--	163	2	2.3	NC		NC			
Breast	56	44.5	126	95	--	163	0	0.4	NC				56	44.1	127	96	--	165		
Hodgkin's Disease	3	2.1	NC			NC	1	1.2	NC				2	1.0	NC		NC			
Kidney	7	7.2	97	39	--	201	4	4.7	NC				3	2.4	NC		NC			
Leukemia	5	4.9	103	33	--	239	2	3.0	NC				3	1.8	NC		NC			
Liver	2	1.4	NC			NC	1	1.1	NC				1	0.3	NC		NC			
Lung	29	43.7	66	*	44	--	95	17	27.8	61	*	36	--	98	12	15.9	76	39	--	132
NHL	8	9.6	83	36	--	165	2	5.5	NC				6	4.0	148	54	--	323		
Pancreas	4	5.3	NC			NC	4	3.0	NC				0	2.3	NC		NC			
Stomach	3	5.0	NC			NC	2	3.5	NC				1	1.5	NC		NC			

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SIR = Standardized Incidence Ratio

NC = Not Calculated

95% CI = 95% Confidence Interval

* Indicates statistical significance (P<.05)

Data source : Massachusetts Cancer Registry, Bureau of Health Statistics, Research and Evaluation, Massachusetts Department of Public Health

Data Analysis: Community Assessment Unit, Bureau of Environmental Health Assessment, Massachusetts Department of Public Health