

ALL CANCER SITES
BOTH SEXES

TABLE 1A. -- Characteristics of persons reported to the Connecticut Tumor Registry with any first primary cancer, 1935-82+

Category	Male	Female	Total
No. with first primary cancer*	120,253	133,283	253,536
No. who developed a second primary cancer	7,507	9,220	16,727
Average age at diagnosis of first cancer, yr	63	60	61
Average yr of diagnosis of first cancer	1966	1965	1965
Person-yr of follow-up	409,878	725,846	1,135,724
Average follow-up, yr	3.4	5.4	4.5
Percent given radiotherapy for first cancer	29.5	32.0	30.8

+ ICD-O codes = 140-199.

* Number excludes all persons who survived less than 2 mo after the diagnosis of their first primary cancer or who developed a simultaneous cancer during this period. First primary cancers diagnosed only at autopsy or by death certificate are also excluded as are in situ cancers.

TABLE 1B. -- Microscopic confirmation among persons who developed second primary cancers after any first primary cancer in Connecticut, 1935-82

Microscopically confirmed	No.	Percent+
Both first and second cancers	14,735	88.1
Only the first cancer	1,428	8.5
Only the second cancer	439	2.6
Neither first nor second cancer	125	0.8
Total second primary cancers	16,727	100.0

+ Minor discrepancies between table entries, and row and column sums in this and subsequent tables are due to rounding.

ALL CANCER SITES
BOTH SEXES

TABLE 1C. -- Observed (O) and expected (E) numbers of second primary cancers by years after diagnosis of any first primary cancer among males and females in Connecticut, 1935-82+

Second primary cancer site	Yr after first primary cancer diagnosis														
	<1 yr			1-4 yr			5-9 yr			10+ yr			Total		
	No. starting interval	253,536		168,934		74,431		36,969		253,536		1,135,724			
Person-yr in interval	165,884		433,121		263,868		272,851								
	O	E	O/E	O	E	O/E	O	E	O/E	O	E	O/E	O	E	O/E
All second cancers	2,286	1,785	1.3*	6,035	4,693	1.3*	3,795	2,958	1.3*	4,611	3,369	1.4*	16,727	12,797	1.3*
Buccal cavity, pharynx	126	64	2.0*	292	159	1.8*	167	93	1.8*	153	91	1.7*	738	407	1.8*
Lip	16	10	1.5	32	25	1.3	22	14	1.6	23	12	1.9*	93	61	1.5*
Tongue	32	13	2.5*	72	31	2.3*	50	18	2.7*	29	18	1.6*	183	81	2.3*
Salivary gland	11	4	2.5*	21	11	1.9*	5	7	0.7	15	8	1.9*	52	31	1.7*
Gum, other mouth	34	19	1.8*	90	47	1.9*	46	28	1.7*	43	29	1.5*	213	122	1.7*
Pharynx	25	15	1.6*	66	38	1.7*	38	22	1.7*	38	21	1.8*	167	97	1.7*
Digestive system	599	560	1.1	1,718	1,458	1.2*	1,103	920	1.2*	1,448	1,064	1.4*	4,868	4,000	1.2*
Esophagus	43	27	1.6*	94	66	1.4*	64	39	1.7*	49	38	1.3	250	169	1.5*
Stomach	79	92	0.9	230	230	1.0	144	138	1.0	150	144	1.0	603	603	1.0
Small intestine	9	5	1.9	31	12	2.6*	15	8	2.0*	13	9	1.5	68	33	2.1*
Colon	253	230	1.1	740	613	1.2*	541	397	1.4*	748	484	1.5*	2,282	1,724	1.3*
Rectum	101	112	0.9	356	290	1.2*	192	182	1.1	281	206	1.4*	930	789	1.2*
Liver	16	12	1.3	38	30	1.3	20	18	1.1	19	19	1.0	93	79	1.2
Gallbladder, other biliary	15	20	0.7	50	55	0.9	29	36	0.8	50	45	1.1	144	157	0.9
Pancreas	74	56	1.3*	160	147	1.1	88	93	0.9	122	110	1.1	444	407	1.1
Respiratory system	219	250	0.9*	843	631	1.3*	574	374	1.5*	581	381	1.5*	2,217	1,635	1.4*
Nasal cavities, sinuses	6	4	1.7	17	9	1.9*	6	6	1.1	7	6	1.2	36	24	1.5*
Larynx	27	25	1.1	78	61	1.3*	57	35	1.6*	41	32	1.3	203	153	1.3*
Trachea, bronchus, lung	182	219	0.8*	745	555	1.3*	509	330	1.5*	529	340	1.6*	1,965	1,442	1.4*
Other respiratory	4	1	5.3*	3	2	1.6	1	1	0.9	4	1	3.6	12	5	2.5*
Breast	374	196	1.9*	1,170	570	2.1*	728	400	1.8*	862	528	1.6*	3,134	1,693	1.9*
Female genital tract	188	124	1.5*	379	356	1.1	287	246	1.2*	362	309	1.2*	1,216	1,034	1.2*
Cervix uteri	29	26	1.1	57	72	0.8	42	47	0.9	34	51	0.7*	162	195	0.8*
Corpus uteri	52	49	1.1	144	143	1.0	122	102	1.2	150	136	1.1	468	429	1.1
Uterus, NOS	8	9	0.9	18	25	0.7	9	16	0.6	25	16	1.6*	60	66	0.9
Ovary, fallopian tubes	88	33	2.6*	132	97	1.4*	87	67	1.3*	116	86	1.3*	423	284	1.5*
Prostate gland	295	198	1.5*	451	497	0.9*	245	288	0.8*	290	268	1.1	1,281	1,250	1.0
Testis	5	2	3.0	7	4	1.8	5	2	2.4	2	2	1.2	19	9	2.0*
Kidney, renal pelvis, ureter	99	37	2.7*	153	94	1.6*	78	58	1.3*	102	64	1.6*	432	253	1.7*
Bladder, other urinary	118	96	1.2*	346	246	1.4*	135	150	0.9	208	161	1.3*	807	653	1.2*
Melanoma of the skin	42	20	2.1*	71	52	1.4*	44	33	1.3	48	36	1.3	205	141	1.5*
Eye	5	3	1.8	12	7	1.7	3	4	0.7	8	5	1.6	28	19	1.5
Brain, central nervous system	16	18	0.9	42	46	0.9	29	28	1.0	35	31	1.1	122	123	1.0
Thyroid gland	25	8	3.1*	25	22	1.1	24	14	1.7*	29	17	1.8*	103	61	1.7*
Endocrine gland	4	1	4.5*	8	2	3.5*	0	1	0.0	1	1	0.7	13	6	2.2*
Bone	4	3	1.5	13	7	1.9*	5	4	1.3	8	4	2.0	30	17	1.7*
Connective tissue	16	8	1.9*	42	22	2.0*	30	13	2.3*	28	15	1.9*	116	58	2.0*
Lymphatic, hematopoietic system	94	115	0.8	317	304	1.0	235	194	1.2*	279	231	1.2*	925	843	1.1*
Non-Hodgkin's lymphoma	36	39	0.9	96	105	0.9	69	67	1.0	96	81	1.2	297	291	1.0
Hodgkin's disease	5	8	0.6	14	21	0.7	12	13	0.9	15	14	1.1	46	56	0.8
Multiple myeloma	15	18	0.8	48	49	1.0	34	32	1.1	43	41	1.1	140	140	1.0
Leukemias	38	49	0.8	159	128	1.2*	120	81	1.5*	125	96	1.3*	442	354	1.2*
Chronic lymphocytic	10	15	0.7	32	39	0.8	29	25	1.2	34	30	1.1	105	110	1.0
Acute nonlymphocytic	19	15	1.3	73	40	1.8*	52	26	2.0*	51	32	1.6*	195	113	1.7*

+ ICD-O codes = 140-199.

* P<.05.

ALL CANCER SITES
MALES

TABLE 1D. -- Observed (O) and expected (E) numbers of second primary cancers by years after diagnosis of any first primary cancer among males in Connecticut, 1935-82+

Second primary cancer site	Yr after first primary cancer diagnosis														
	<1 yr			1-4 yr			5-9 yr			10+ yr			Total		
	No. starting interval	Person-yr in interval	O/E	O	E	O/E	O	E	O/E	O	E	O/E	O	E	O/E
	120,253	74,176		72,491	171,396		27,260	90,796		11,826	73,510		120,253	409,878	
All second cancers	1,249	1,045	1.2*	2,963	2,546	1.2*	1,667	1,435	1.2*	1,628	1,273	1.3*	7,507	6,295	1.2*
Buccal cavity, pharynx	105	52	2.0*	214	121	1.8*	117	66	1.8*	93	55	1.7*	529	293	1.8*
Lip	14	10	1.5	30	22	1.3	20	12	1.6*	19	10	1.9*	83	54	1.5*
Tongue	28	10	2.8*	52	24	2.2*	34	13	2.7*	21	10	2.0*	135	57	2.4*
Salivary gland	9	3	3.4*	12	7	1.8	3	4	0.8	7	3	2.1	31	16	1.9*
Gum, other mouth	25	14	1.7*	60	34	1.8*	24	18	1.3	22	15	1.4	131	82	1.6*
Pharynx	21	13	1.7*	51	30	1.7*	30	16	1.8*	22	14	1.6*	124	72	1.7*
Digestive system	355	336	1.1	922	811	1.1*	522	454	1.1*	506	396	1.3*	2,305	1,995	1.2*
Esophagus	31	22	1.4	74	52	1.4*	45	28	1.6*	32	23	1.4	182	125	1.5*
Stomach	58	62	0.9	136	146	0.9	73	80	0.9	72	66	1.1	339	353	1.0
Small intestine	6	3	2.3	16	6	2.6*	4	3	1.2	8	3	2.7*	34	15	2.3*
Colon	137	126	1.1	363	310	1.2*	226	176	1.3*	246	160	1.5*	972	771	1.3*
Rectum	52	69	0.8*	197	166	1.2*	95	93	1.0	79	80	1.0	423	408	1.0
Liver	11	8	1.4	27	19	1.4	13	11	1.2	11	9	1.2	62	47	1.3*
Gallbladder, other biliary	5	9	0.6	19	22	0.9	12	13	0.9	8	11	0.7	44	56	0.8
Pancreas	50	34	1.5*	82	82	1.0	52	46	1.1	46	41	1.1	230	203	1.1
Respiratory system	172	206	0.8*	640	499	1.3*	418	278	1.5*	339	243	1.4*	1,569	1,225	1.3*
Nasal cavities, sinuses	5	2	2.2	11	5	2.0*	2	3	0.7	3	3	1.1	21	13	1.6
Larynx	20	23	0.9	68	54	1.3	47	29	1.6*	26	24	1.1	161	130	1.2*
Trachea, bronchus, lung	144	179	0.8*	559	435	1.3*	369	243	1.5*	306	215	1.4*	1,378	1,071	1.3*
Other respiratory	3	1	5.8*	2	1	1.7	0	1	0.0	4	1	8.0*	9	3	3.2*
Breast	2	2	0.9	9	5	1.7	7	3	2.4	3	3	1.1	21	13	1.6
Prostate gland	295	198	1.5*	451	497	0.9*	245	288	0.8*	290	268	1.1	1,281	1,250	1.0
Testis	5	2	3.0	7	4	1.8	5	2	2.4	2	2	1.2	19	9	2.0*
Kidney, renal pelvis, ureter	64	25	2.5*	107	61	1.7*	40	34	1.2	49	30	1.6*	260	150	1.7*
Bladder, other urinary	88	76	1.2	255	187	1.4*	98	107	0.9	100	97	1.0	541	467	1.2*
Melanoma of the skin	20	11	1.8*	34	27	1.3	21	15	1.4	23	13	1.7*	98	66	1.5*
Eye	2	1	1.4	4	3	1.2	1	2	0.5	2	2	1.3	9	8	1.1
Brain, central nervous system	9	10	0.9	20	24	0.8	16	13	1.2	9	11	0.8	54	58	0.9
Thyroid gland	14	3	5.3*	9	6	1.4	5	3	1.5	6	3	2.1	34	15	2.2*
Endocrine gland	2	1	3.9	2	1	1.7	0	1	0.0	0	0	0.0	4	3	1.4
Bone	3	2	2.0	7	4	2.0	3	2	1.6	1	1	0.7	14	8	1.7
Connective tissue	13	5	2.5*	23	12	1.9*	11	7	1.6	11	6	1.8	58	31	1.9*
Lymphatic, hematopoietic system	60	68	0.9	187	167	1.1	100	94	1.1	127	85	1.5*	474	414	1.1*
Non-Hodgkin's lymphoma	22	22	1.0	51	53	1.0	27	30	0.9	44	26	1.7*	144	130	1.1
Hodgkin's disease	3	5	0.6	9	11	0.8	4	6	0.7	7	5	1.4	23	27	0.9
Multiple myeloma	4	10	0.4*	30	26	1.2	11	15	0.8	18	14	1.3	63	64	1.0
Leukemias	31	31	1.0	97	77	1.3*	58	44	1.3	58	40	1.4*	244	193	1.3*
Chronic lymphocytic	9	10	0.9	24	25	1.0	16	15	1.1	17	14	1.3	66	63	1.0
Acute nonlymphocytic	15	9	1.6	42	23	1.8*	23	13	1.7*	27	13	2.1*	107	58	1.8*

+ ICD-O codes = 140-199.

* P<.05.

ALL CANCER SITES
FEMALES

TABLE 1E. -- Observed (O) and expected (E) numbers of second primary cancers by years after diagnosis of any first primary cancer among females in Connecticut, 1935-82+

Second primary cancer site	Yr after first primary cancer diagnosis																		
	<1 yr			1-4 yr			5-9 yr			10+ yr			Total						
	No. starting interval	133,283		96,443		47,171		25,143		133,283		91,708		261,725		173,072		199,341	
Person-yr in interval	O	E	O/E	O	E	O/E	O	E	O/E	O	E	O/E	O	E	O/E				
All second cancers	1,037	740	1.4*	3,072	2,147	1.4*	2,128	1,524	1.4*	2,983	2,095	1.4*	9,220	6,502	1.4*				
Buccal cavity, pharynx	21	13	1.6*	78	38	2.1*	50	27	1.9*	60	37	1.6*	209	114	1.8*				
Lip	2	1	2.5	2	2	0.9	2	2	1.3	4	2	1.8	10	7	1.5				
Tongue	4	3	1.5	20	8	2.6*	16	6	2.9*	8	8	1.1	48	23	2.1*				
Salivary gland	2	2	1.2	9	5	1.9	2	3	0.6	8	4	1.8	21	14	1.5				
Gum, other mouth	9	4	2.0	30	13	2.3*	22	9	2.3*	21	13	1.6	82	40	2.0*				
Pharynx	4	3	1.4	15	8	1.8	8	6	1.3	16	8	2.0*	43	25	1.7*				
Digestive system	244	224	1.1	796	647	1.2*	581	465	1.2*	942	668	1.4*	2,563	2,005	1.3*				
Esophagus	12	5	2.4*	20	15	1.4	19	10	1.8*	17	15	1.2	68	45	1.5*				
Stomach	21	30	0.7	94	84	1.1	71	59	1.2	78	78	1.0	264	250	1.1				
Small intestine	3	2	1.5	15	6	2.5*	11	4	2.6*	5	6	0.9	34	18	1.9*				
Colon	116	105	1.1	377	304	1.2*	315	221	1.4*	502	325	1.5*	1,310	953	1.4*				
Rectum	49	43	1.1	159	124	1.3*	97	89	1.1	202	126	1.6*	507	381	1.3*				
Liver	5	4	1.3	11	11	1.0	7	7	1.0	8	10	0.8	31	32	1.0				
Gallbladder, other biliary	10	11	0.9	31	33	1.0	17	24	0.7	42	34	1.2	100	101	1.0				
Pancreas	24	22	1.1	78	65	1.2	36	47	0.8	76	70	1.1	214	204	1.1				
Respiratory system	47	45	1.1	203	133	1.5*	156	96	1.6*	242	137	1.8*	648	411	1.6*				
Nasal cavities, sinuses	1	1	0.8	6	4	1.7	4	3	1.6	4	3	1.2	15	11	1.4				
Larynx	7	3	2.7*	10	8	1.3	10	6	1.8	15	8	2.0*	42	24	1.8*				
Trachea, bronchus, lung	38	40	0.9	186	120	1.6*	140	87	1.6*	223	125	1.8*	587	372	1.6*				
Other respiratory	1	0	4.2	1	1	1.5	1	0	2.3	0	1	0.0	3	2	1.5				
Breast	372	194	1.9*	1,161	565	2.1*	721	397	1.8*	859	525	1.6*	3,113	1,680	1.9*				
Female genital tract	188	124	1.5*	379	356	1.1	287	246	1.2*	362	309	1.2*	1,216	1,034	1.2*				
Cervix uteri	29	26	1.1	57	72	0.8	42	47	0.9	34	51	0.7*	162	195	0.8*				
Corpus uteri	52	49	1.1	144	143	1.0	122	102	1.2	150	136	1.1	468	429	1.1				
Uterus, NOS	8	9	0.9	18	25	0.7	9	16	0.6	25	16	1.6*	60	66	0.9				
Ovary, fallopian tubes	88	33	2.6*	132	97	1.4*	87	67	1.3*	116	86	1.3*	423	284	1.5*				
Kidney, renal pelvis, ureter	35	11	3.1*	46	33	1.4*	38	24	1.6*	53	34	1.6*	172	102	1.7*				
Bladder, other urinary	30	20	1.5*	91	59	1.5*	37	43	0.9	108	64	1.7*	266	186	1.4*				
Melanoma of the skin	22	9	2.5*	37	26	1.4*	23	18	1.3	25	23	1.1	107	75	1.4*				
Eye	3	1	2.4	8	4	2.2	2	3	0.8	6	3	1.8	19	11	1.8*				
Brain, central nervous system	7	7	0.9	22	22	1.0	13	15	0.8	26	20	1.3	68	65	1.0				
Thyroid gland	11	5	2.0*	16	16	1.0	19	11	1.7*	23	14	1.7*	69	46	1.5*				
Endocrine gland	2	0	5.2	6	1	5.4*	0	1	0.0	1	1	1.1	9	3	2.9*				
Bone	1	1	0.9	6	3	1.9	2	2	0.9	7	3	2.8*	16	9	1.8*				
Connective tissue	3	3	0.9	19	9	2.1*	19	6	3.0*	17	8	2.0*	58	27	2.1*				
Lymphatic, hematopoietic system	34	47	0.7	130	137	0.9	135	99	1.4*	152	146	1.0	451	428	1.1				
Non-Hodgkin's lymphoma	14	18	0.8	45	52	0.9	42	38	1.1	52	54	1.0	153	161	0.9				
Hodgkin's disease	2	3	0.6	5	10	0.5	8	7	1.2	8	9	0.9	23	29	0.8				
Multiple myeloma	11	8	1.4	18	24	0.8	23	17	1.3	25	27	0.9	77	76	1.0				
Leukemias	7	18	0.4*	62	51	1.2	62	37	1.7*	67	55	1.2	198	161	1.2*				
Chronic lymphocytic	1	5	0.2	8	14	0.6	13	11	1.2	17	17	1.0	39	46	0.8				
Acute nonlymphocytic	4	6	0.7	31	17	1.8*	29	13	2.3*	24	19	1.3	88	55	1.6*				

+ ICD-O codes = 140-199.

* P<.05.

ALL CANCER SITES
 BOTH SEXES
 LONG-TERM SURVIVORS

TABLE 1F. -- Observed (O) and expected (E) numbers of second primary cancers by years after diagnosis of any first primary cancer among males and females, long-term survivors in Connecticut, 1935-82+

Second primary cancer site	Yr after first primary cancer diagnosis																					
	1-9 yr			10-19 yr			20-29 yr			30+ yr			Total (<1-30+ yr)									
	No. starting interval	168,934		36,969		10,297		2,218		253,536		Person-yr in interval		696,989		208,178		54,374		10,298		1,135,724
	O	E	O/E	O	E	O/E	O	E	O/E	O	E	O/E	O	E	O/E							
All second cancers	9,830	7,649	1.3*	3,297	2,488	1.3*	1,086	725	1.5*	228	157	1.5*	16,727	12,797	1.3*							
Buccal cavity, pharynx	459	252	1.8*	119	70	1.7*	31	18	1.8*	3	3	0.9	738	407	1.8*							
Lip	54	38	1.4*	21	10	2.2*	2	2	1.0	0	0	0.0	93	61	1.5*							
Tongue	122	50	2.5*	22	14	1.6	6	3	1.7	1	1	1.6	183	81	2.3*							
Salivary gland	26	18	1.4	13	6	2.2*	2	2	1.2	0	0	0.0	52	31	1.7*							
Gum, other mouth	136	75	1.8*	29	22	1.3	14	6	2.4*	0	1	0.0	213	122	1.7*							
Pharynx	104	60	1.7*	31	17	1.9*	5	4	1.2	2	1	2.8	167	97	1.7*							
Digestive system	2,821	2,377	1.2*	1,008	780	1.3*	367	232	1.6*	73	53	1.4*	4,868	4,000	1.2*							
Esophagus	158	105	1.5*	37	29	1.3	7	7	1.0	5	1	3.4*	250	169	1.5*							
Stomach	374	368	1.0	105	109	1.0	41	29	1.4*	4	6	0.7	603	603	1.0							
Small intestine	46	20	2.3*	10	6	1.6	3	2	1.6	0	0	0.0	68	33	2.1*							
Colon	1,281	1,010	1.3*	520	349	1.5*	196	110	1.8*	32	26	1.2	2,282	1,724	1.3*							
Rectum	548	472	1.2*	193	152	1.3*	69	44	1.6*	19	10	1.9*	930	789	1.2*							
Liver	58	48	1.2	13	14	0.9	4	4	1.0	2	1	2.3	93	79	1.2							
Gallbladder, other biliary	79	91	0.9	35	33	1.1	15	10	1.5	0	2	0.0	144	157	0.9							
Pancreas	248	240	1.0	84	80	1.0	29	25	1.2	9	6	1.6	444	407	1.1							
Respiratory system	1,417	1,005	1.4*	441	289	1.5*	117	77	1.5*	23	15	1.5	2,217	1,635	1.4*							
Nasal cavities, sinuses	23	15	1.6*	7	4	1.6	0	1	0.0	0	0	0.0	36	24	1.5*							
Larynx	135	96	1.4*	32	25	1.3	9	6	1.6	0	1	0.0	203	153	1.3*							
Trachea, bronchus, lung	1,254	884	1.4*	399	257	1.6*	107	69	1.5*	23	14	1.7*	1,965	1,442	1.4*							
Other respiratory	4	3	1.4	3	1	3.6	1	0	4.3	0	0	0.0	12	5	2.5*							
Breast	1,898	970	2.0*	616	376	1.6*	203	124	1.6*	43	29	1.5*	3,134	1,693	1.9*							
Female genital tract	666	602	1.1*	256	226	1.1*	87	69	1.3*	19	14	1.3	1,216	1,034	1.2*							
Cervix uteri	99	118	0.8	27	39	0.7	7	10	0.7	0	2	0.0	162	195	0.8*							
Corpus uteri	266	245	1.1	101	98	1.0	41	32	1.3	8	7	1.2	468	429	1.1							
Uterus, NOS	27	41	0.7*	19	12	1.5	6	3	2.1	0	1	0.0	60	66	0.9							
Ovary, fallopian tubes	219	164	1.3*	78	62	1.2	28	19	1.4	10	4	2.4*	423	284	1.5*							
Prostate gland	696	785	0.9*	227	213	1.1	54	48	1.1	9	7	1.2	1,281	1,250	1.0							
Testis	12	6	2.0*	1	1	0.7	1	0	3.4	0	0	0.0	19	9	2.0*							
Kidney, renal pelvis, ureter	231	152	1.5*	62	47	1.3*	35	13	2.6*	5	3	1.8	432	253	1.7*							
Bladder, other urinary	481	396	1.2*	147	121	1.2*	41	33	1.2	20	7	2.8*	807	653	1.2*							
Melanoma of the skin	115	85	1.4*	30	27	1.1	15	8	1.9*	3	2	1.8	205	141	1.5*							
Eye	15	11	1.3	4	4	1.1	4	1	3.8*	0	0	0.0	28	19	1.5							
Brain, central nervous system	71	74	1.0	29	23	1.3	5	7	0.8	1	1	0.8	122	123	1.0							
Thyroid gland	49	37	1.3	23	12	1.9*	5	4	1.4	1	1	1.4	103	61	1.7*							
Endocrine gland	8	4	2.2	1	1	0.9	0	0	0.0	0	0	0.0	13	6	2.2*							
Bone	18	11	1.7*	6	3	2.0	1	1	1.3	1	0	6.3	30	17	1.7*							
Connective tissue	72	35	2.1*	19	11	1.7*	7	3	2.3	2	1	3.2	116	58	2.0*							
Lymphatic, hematopoietic system	552	497	1.1*	200	168	1.2*	63	52	1.2	16	12	1.3	925	843	1.1*							
Non-Hodgkin's lymphoma	165	172	1.0	73	58	1.3	21	18	1.2	2	4	0.5	297	291	1.0							
Hodgkin's disease	26	34	0.8	11	11	1.0	3	3	1.0	1	1	2.0	46	56	0.8							
Multiple myeloma	82	81	1.0	28	29	1.0	8	10	0.8	7	2	3.0*	140	140	1.0							
Leukemias	279	210	1.3*	88	70	1.3*	31	21	1.5	6	5	1.2	442	354	1.2*							
Chronic lymphocytic	61	65	0.9	22	22	1.0	10	7	1.5	2	2	1.3	105	110	1.0							
Acute nonlymphocytic	125	66	1.9*	32	23	1.4	18	7	2.5*	1	2	0.6	195	113	1.7*							

+ ICD-O codes = 140-199.

* P<.05.

ALL CANCER SITES
 MALES
 LONG-TERM SURVIVORS

TABLE 1G. -- Observed (O) and expected (E) numbers of second primary cancers by years after diagnosis of any first primary cancer among males, long-term survivors in Connecticut, 1935-82+

Second primary cancer site	Yr after first primary cancer diagnosis																					
	1-9 yr			10-19 yr			20-29 yr			30+ yr			Total (<1-30+ yr)									
	No. starting interval	72,491		11,826		2,500		407		120,253		Person-yr in interval		262,192		59,705		11,988		1,817		409,878
	O	E	O/E	O	E	O/E	O	E	O/E	O	E	O/E	O	E	O/E							
All second cancers	4,630	3,980	1.2*	1,259	1,018	1.2*	326	221	1.5*	43	34	1.3	7,507	6,295	1.2*							
Buccal cavity, pharynx	331	187	1.8*	73	44	1.6*	19	9	2.1*	1	1	0.8	529	293	1.8*							
Lip	50	35	1.4*	18	8	2.2*	1	2	0.7	0	0	0.0	83	54	1.5*							
Tongue	86	37	2.4*	15	9	1.8	6	2	3.6*	0	0	0.0	135	57	2.4*							
Salivary gland	15	10	1.5	6	3	2.3	1	1	1.8	0	0	0.0	31	16	1.9*							
Gum, other mouth	84	52	1.6*	14	12	1.1	8	3	3.2*	0	0	0.0	131	82	1.6*							
Pharynx	81	46	1.8*	18	11	1.6	3	2	1.3	1	0	3.0	124	72	1.7*							
Digestive system	1,444	1,265	1.1*	394	318	1.2*	100	68	1.5*	12	10	1.2	2,305	1,995	1.2*							
Esophagus	119	80	1.5*	27	19	1.4	4	4	1.1	1	1	1.9	182	125	1.5*							
Stomach	209	225	0.9	53	54	1.0	16	11	1.5	3	1	2.0	339	353	1.0							
Small intestine	20	10	2.1*	7	2	3.0*	1	1	2.0	0	0	0.0	34	15	2.3*							
Colon	589	486	1.2*	183	127	1.4*	56	28	2.0*	7	4	1.6	972	771	1.3*							
Rectum	292	259	1.1*	68	64	1.1	11	14	0.8	0	2	0.0	423	408	1.0							
Liver	40	30	1.3	8	7	1.1	3	2	1.9	0	0	0.0	62	47	1.3*							
Gallbladder, other biliary	31	35	0.9	7	9	0.8	1	2	0.5	0	0	0.0	44	56	0.8							
Pancreas	134	129	1.0	38	33	1.2	8	7	1.2	0	1	0.0	230	203	1.1							
Respiratory system	1,058	776	1.4*	266	194	1.4*	61	42	1.4*	12	7	1.8	1,569	1,225	1.3*							
Nasal cavities, sinuses	13	8	1.5	3	2	1.4	0	0	0.0	0	0	0.0	21	13	1.6							
Larynx	115	83	1.4*	20	20	1.0	6	4	1.5	0	1	0.0	161	130	1.2*							
Trachea, bronchus, lung	928	678	1.4*	240	171	1.4*	54	38	1.4*	12	6	2.0*	1,378	1,071	1.3*							
Other respiratory	2	2	1.1	3	0	7.3*	1	0	12.7	0	0	0.0	9	3	3.2*							
Breast	16	8	1.9*	2	2	1.0	1	0	2.1	0	0	0.0	21	13	1.6							
Prostate gland	696	785	0.9*	227	213	1.1	54	48	1.1	9	7	1.2	1,281	1,250	1.0							
Testis	12	6	2.0*	1	1	0.7	1	0	3.4	0	0	0.0	19	9	2.0*							
Kidney, renal pelvis, ureter	147	95	1.5*	33	24	1.4	15	5	2.9*	1	1	1.3	260	150	1.7*							
Bladder, other urinary	353	294	1.2*	74	77	1.0	22	17	1.3	4	3	1.5	541	467	1.2*							
Melanoma of the skin	55	41	1.3*	16	10	1.5	6	2	2.5	1	0	2.4	98	66	1.5*							
Eye	5	5	0.9	1	1	0.8	1	0	4.0	0	0	0.0	9	8	1.1							
Brain, central nervous system	36	37	1.0	9	9	1.0	0	2	0.0	0	0	0.0	54	58	0.9							
Thyroid gland	14	10	1.4	6	2	2.6	0	0	0.0	0	0	0.0	34	15	2.2*							
Endocrine gland	2	2	1.1	0	0	0.0	0	0	0.0	0	0	0.0	4	3	1.4							
Bone	10	5	1.9	1	1	0.8	0	0	0.0	0	0	0.0	14	8	1.7							
Connective tissue	34	19	1.8*	10	5	2.0	1	1	0.9	0	0	0.0	58	31	1.9*							
Lymphatic, hematopoietic system	287	261	1.1	102	68	1.5*	22	15	1.5	3	2	1.3	474	414	1.1*							
Non-Hodgkin's lymphoma	78	82	0.9	36	21	1.7*	7	5	1.5	1	1	1.3	144	130	1.1							
Hodgkin's disease	13	17	0.8	4	4	1.0	2	1	2.4	1	0	8.4	23	27	0.9							
Multiple myeloma	41	40	1.0	16	11	1.5	1	2	0.4	1	0	2.6	63	64	1.0							
Leukemias	155	121	1.3*	46	32	1.4*	12	7	1.7	0	1	0.0	244	193	1.3*							
Chronic lymphocytic	40	40	1.0	14	11	1.3	3	2	1.2	0	0	0.0	66	63	1.0							
Acute nonlymphocytic	65	36	1.8*	19	10	1.9*	8	2	3.4*	0	0	0.0	107	58	1.8*							

+ ICD-O codes = 140-199.

* P<.05.

ALL CANCER SITES
 FEMALES
 LONG-TERM SURVIVORS

TABLE 1H. -- Observed (O) and expected (E) numbers of second primary cancers by years after diagnosis of any first primary cancer among females, long-term survivors in Connecticut, 1935-82+

Second primary cancer site	Yr after first primary cancer diagnosis																					
	1-9 yr			10-19 yr			20-29 yr			30+ yr			Total (<1-30+ yr)									
	No. starting interval	96,443		25,143		7,797		1,811		133,283		Person-yr in interval		434,797		148,473		42,386		8,481		725,846
O	E	O/E	O	E	O/E	O	E	O/E	O	E	O/E	O	E	O/E	O	E	O/E					
All second cancers	5,200	3,670	1.4*	2,038	1,470	1.4*	760	504	1.5*	185	122	1.5*	9,220	6,502	1.4*							
Buccal cavity, pharynx	128	65	2.0*	46	26	1.8*	12	9	1.4	2	2	1.0	209	114	1.8*							
Lip	4	4	1.0	3	2	1.9	1	1	1.9	0	0	0.0	10	7	1.5							
Tongue	36	13	2.7*	7	5	1.3	0	2	0.0	1	0	2.5	48	23	2.1*							
Salivary gland	11	8	1.3	7	3	2.2	1	1	0.9	0	0	0.0	21	14	1.5							
Gum, other mouth	52	23	2.3*	15	9	1.6	6	3	1.9	0	1	0.0	82	40	2.0*							
Pharynx	23	14	1.6*	13	6	2.3*	2	2	1.1	1	0	2.7	43	25	1.7*							
Digestive system	1,377	1,112	1.2*	614	461	1.3*	267	165	1.6*	61	43	1.4*	2,563	2,005	1.3*							
Esophagus	39	25	1.5*	10	10	1.0	3	4	0.8	4	1	4.4*	68	45	1.5*							
Stomach	165	143	1.2	52	55	0.9	25	18	1.4	1	4	0.2	264	250	1.1							
Small intestine	26	10	2.6*	3	4	0.7	2	1	1.5	0	0	0.0	34	18	1.9*							
Colon	692	524	1.3*	337	222	1.5*	140	81	1.7*	25	22	1.2	1,310	953	1.4*							
Rectum	256	213	1.2*	125	87	1.4*	58	31	1.9*	19	8	2.5*	507	381	1.3*							
Liver	18	18	1.0	5	7	0.7	1	2	0.4	2	1	3.3	31	32	1.0							
Gallbladder, other biliary	48	56	0.9	28	23	1.2	14	8	1.7	0	2	0.0	100	101	1.0							
Pancreas	114	112	1.0	46	48	1.0	21	18	1.2	9	5	1.9	214	204	1.1							
Respiratory system	359	229	1.6*	175	94	1.9*	56	35	1.6*	11	8	1.3	648	411	1.6*							
Nasal cavities, sinuses	10	6	1.6	4	2	1.7	0	1	0.0	0	0	0.0	15	11	1.4							
Larynx	20	13	1.5	12	5	2.2*	3	2	1.7	0	0	0.0	42	24	1.8*							
Trachea, bronchus, lung	326	206	1.6*	159	86	1.9*	53	32	1.7*	11	8	1.4	587	372	1.6*							
Other respiratory	2	1	1.8	0	0	0.0	0	0	0.0	0	0	0.0	3	2	1.5							
Breast	1,882	961	2.0*	614	373	1.6*	202	123	1.6*	43	29	1.5*	3,113	1,680	1.9*							
Female genital tract	666	602	1.1*	256	226	1.1*	87	69	1.3*	19	14	1.3	1,216	1,034	1.2*							
Cervix uteri	99	118	0.8	27	39	0.7	7	10	0.7	0	2	0.0	162	195	0.8*							
Corpus uteri	266	245	1.1	101	98	1.0	41	32	1.3	8	7	1.2	468	429	1.1							
Uterus, NOS	27	41	0.7*	19	12	1.5	6	3	2.1	0	1	0.0	60	66	0.9							
Ovary, fallopian tubes	219	164	1.3*	78	62	1.2	28	19	1.4	10	4	2.4*	423	284	1.5*							
Kidney, renal pelvis, ureter	84	57	1.5*	29	24	1.2	20	8	2.4*	4	2	2.0	172	102	1.7*							
Bladder, other urinary	128	102	1.3*	73	44	1.7*	19	16	1.2	16	4	3.6*	266	186	1.4*							
Melanoma of the skin	60	43	1.4*	14	16	0.8	9	5	1.6	2	1	1.6	107	75	1.4*							
Eye	10	6	1.6	3	2	1.2	3	1	3.7	0	0	0.0	19	11	1.8*							
Brain, central nervous system	35	37	0.9	20	15	1.4	5	5	1.1	1	1	1.0	68	65	1.0							
Thyroid gland	35	27	1.3	17	10	1.7	5	3	1.6	1	1	1.6	69	46	1.5*							
Endocrine gland	6	2	3.2*	1	1	1.5	0	0	0.0	0	0	0.0	9	3	2.9*							
Bone	8	5	1.5	5	2	2.7	1	1	1.8	1	0	8.1	16	9	1.8*							
Connective tissue	38	16	2.4*	9	6	1.5	6	2	3.1*	2	0	4.3	58	27	2.1*							
Lymphatic, hematopoietic system	265	236	1.1	98	100	1.0	41	37	1.1	13	10	1.4	451	428	1.1							
Non-Hodgkin's lymphoma	87	89	1.0	37	37	1.0	14	14	1.0	1	4	0.3	153	161	0.9							
Hodgkin's disease	13	17	0.8	7	6	1.1	1	2	0.5	0	0	0.0	23	29	0.8							
Multiple myeloma	41	41	1.0	12	18	0.7	7	7	1.0	6	2	3.1*	77	76	1.0							
Leukemias	124	88	1.4*	42	38	1.1	19	14	1.4	6	4	1.6	198	161	1.2*							
Chronic lymphocytic	21	25	0.8	8	11	0.7	7	4	1.6	2	1	1.7	39	46	0.8							
Acute nonlymphocytic	60	30	2.0*	13	13	1.0	10	5	2.0	1	1	0.7	88	55	1.6*							

+ ICD-O codes = 140-199.
 * P<.05.