

NH LYMPHOMA  
BOTH SEXES

TABLE 1A. -- Characteristics of persons reported to the Connecticut Tumor Registry with an initial non-Hodgkin's lymphoma, 1935-82+

Category	Male	Female	Total
No. with first primary cancer*	3,539	3,195	6,734
No. who developed a second primary cancer	196	123	319
Average age at diagnosis of first cancer, yr	56	60	58
Average yr of diagnosis of first cancer	1966	1967	1967
Person-yr of follow-up	14,378	12,854	27,231
Average follow-up, yr	4.1	4.0	4.0
Percent given radiotherapy for first cancer	52.0	50.5	51.3

+ ICD-0 morphology codes = 9590-9642,9690-9701,9750.

\* 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 an initial non-Hodgkin's lymphoma in Connecticut, 1935-82

Microscopically confirmed	No.	Percent+
Both first and second cancers	285	89.4
Only the first cancer	26	8.2
Only the second cancer	7	2.2
Neither first nor second cancer	1	0.3
Total second primary cancers	319	100.0

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

NH LYMPHOMA  
BOTH SEXES

TABLE 1C. -- Observed (O) and expected (E) numbers of second primary cancers by years after diagnosis of an initial non-Hodgkin's lymphoma among males and females in Connecticut, 1935-82+

Second primary cancer site	Yr after first primary cancer diagnosis												Total		
	<1 yr			1-4 yr			5-9 yr			10+ yr			O	E	O/E
No. starting interval	6,734			4,363			1,814			796			6,734		
Person-yr in interval	4,333			11,097			6,006			5,795			27,231		
	O	E	O/E	O	E	O/E	O	E	O/E	O	E	O/E	O	E	O/E
All second cancers	62	40.47	1.5*	108	102.18	1.1	73	54.97	1.3*	76	58.86	1.3*	319	256.31	1.2*
All excluding site of initial cancer	61	39.49	1.5*	107	99.70	1.1	73	53.65	1.4*	73	57.45	1.3	314	250.12	1.3*
Buccal cavity, pharynx	2	1.50	1.3	5	3.77	1.3	2	2.04	1.0	1	2.16	0.5	10	9.46	1.1
Lip	1	0.22	4.6	1	0.53	1.9	1	0.28	3.5	1	0.30	3.3	4	1.33	3.0
Tongue	0	0.30	0.0	2	0.75	2.7	1	0.41	2.4	0	0.43	0.0	3	1.89	1.6
Salivary gland	0	0.10	0.0	0	0.24	0.0	0	0.13	0.0	0	0.15	0.0	0	0.62	0.0
Gum, other mouth	0	0.45	0.0	1	1.13	0.9	0	0.61	0.0	0	0.65	0.0	1	2.84	0.4
Pharynx	1	0.38	2.6	1	0.96	1.0	0	0.52	0.0	0	0.55	0.0	2	2.41	0.8
Digestive system	18	12.45	1.4	31	31.05	1.0	18	16.68	1.1	26	17.68	1.5	93	77.81	1.2
Esophagus	0	0.61	0.0	3	1.53	2.0	0	0.81	0.0	0	0.86	0.0	3	3.81	0.8
Stomach	3	1.91	1.6	6	4.64	1.3	4	2.50	1.6	7	2.53	2.8*	20	11.56	1.7*
Colon	7	5.20	1.3	13	13.04	1.0	8	6.99	1.1	9	7.56	1.2	37	32.77	1.1
Rectum	4	2.52	1.6	4	6.34	0.6	2	3.41	0.6	3	3.58	0.8	13	15.83	0.8
Liver, biliary	1	0.71	1.4	2	1.76	1.1	1	0.95	1.1	2	1.00	2.0	6	4.41	1.4
Pancreas	3	1.27	2.4	3	3.19	0.9	3	1.72	1.7	3	1.85	1.6	12	8.03	1.5
Respiratory system	14	6.04	2.3*	25	15.47	1.6*	20	8.27	2.4*	14	9.25	1.5	73	38.99	1.9*
Nasal cavities, sinuses	0	0.08	0.0	0	0.20	0.0	0	0.11	0.0	0	0.11	0.0	0	0.49	0.0
Larynx	2	0.62	3.2	4	1.58	2.5	1	0.86	1.2	0	0.91	0.0	7	3.97	1.8
Trachea, bronchus, lung	12	5.28	2.3*	21	13.54	1.6	18	7.22	2.5*	13	8.14	1.6	64	34.16	1.9*
Female breast	1	4.59	0.2	6	11.78	0.5	6	6.36	0.9	7	6.02	1.2	20	28.73	0.7
Female genital tract	2	2.81	0.7	5	7.13	0.7	3	3.85	0.8	3	3.49	0.9	13	17.26	0.8
Cervix uteri	1	0.52	1.9	1	1.30	0.8	1	0.69	1.4	1	0.59	1.7	4	3.10	1.3
Corpus uteri	1	1.19	0.8	4	3.08	1.3	1	1.68	0.6	1	1.56	0.6	7	7.50	0.9
Uterus, NOS	0	0.17	0.0	0	0.39	0.0	0	0.20	0.0	0	0.15	0.0	0	0.91	0.0
Ovary, fallopian tubes	0	0.77	0.0	0	1.96	0.0	1	1.06	0.9	1	0.97	1.0	2	4.77	0.4
Prostate gland	12	3.87	3.1*	7	9.65	0.7	6	5.22	1.1	5	6.55	0.8	30	25.28	1.2
Testis	1	0.06	16.3	1	0.16	6.1	0	0.09	0.0	0	0.10	0.0	2	0.41	4.9
Kidney, renal pelvis, ureter	2	0.87	2.3	0	2.22	0.0	1	1.19	0.8	2	1.29	1.5	5	5.58	0.9
Bladder, other urinary	0	2.14	0.0	7	5.41	1.3	5	2.91	1.7	8	3.35	2.4*	20	13.80	1.4
Melanoma of the skin	2	0.50	4.0	3	1.32	2.3	1	0.72	1.4	1	0.79	1.3	7	3.33	2.1
Eye	0	0.06	0.0	0	0.16	0.0	0	0.09	0.0	0	0.09	0.0	0	0.39	0.0
Brain, central nervous system	2	0.46	4.3	1	1.20	0.8	3	0.64	4.7	3	0.65	4.6	9	2.95	3.1*
Thyroid gland	1	0.20	5.1	1	0.51	2.0	1	0.28	3.6	1	0.28	3.6	4	1.26	3.2
Bone	0	0.06	0.0	0	0.15	0.0	1	0.08	12.8	0	0.08	0.0	1	0.36	2.8
Connective tissue	0	0.19	0.0	5	0.48	10.3*	0	0.26	0.0	1	0.28	3.6	6	1.21	5.0*
Lymphatic, hematopoietic system	4	2.74	1.5	2	6.90	0.3	2	3.71	0.5	4	4.04	1.0	12	17.37	0.7
Non-Hodgkin's lymphoma	1	0.98	1.0	1	2.48	0.4	0	1.32	0.0	3	1.41	2.1	5	6.19	0.8
Hodgkin's disease	0	0.21	0.0	0	0.54	0.0	1	0.29	3.4	0	0.29	0.0	1	1.33	0.8
Multiple myeloma	1	0.44	2.3	0	1.11	0.0	0	0.60	0.0	0	0.67	0.0	1	2.81	0.4
Leukemias	2	1.11	1.8	1	2.77	0.4	1	1.50	0.7	1	1.66	0.6	5	7.04	0.7
Chronic lymphocytic	0	0.34	0.0	0	0.86	0.0	0	0.47	0.0	0	0.53	0.0	0	2.19	0.0
Acute nonlymphocytic	2	0.35	5.7	1	0.89	1.1	1	0.48	2.1	0	0.55	0.0	4	2.28	1.8

+ ICD-O morphology codes = 9590-9642,9690-9701,9750.

\* P<.05.

NH LYMPHOMA  
MALES

TABLE 1D. -- Observed (O) and expected (E) numbers of second primary cancers by years after diagnosis of an initial non-Hodgkin's lymphoma 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		
	O	E	O/E	O	E	O/E	O	E	O/E	O	E	O/E	O	E	O/E
No. starting interval	3,539			2,269			945			424			3,539		
Person-yr in interval	2,255			5,781			3,115			3,226			14,378		
All second cancers	45	22.79	2.0*	62	57.30	1.1	45	30.81	1.5*	44	36.05	1.2	196	146.85	1.3*
All excluding site of initial cancer	44	22.27	2.0*	62	55.98	1.1	45	30.11	1.5*	43	35.23	1.2	194	143.48	1.4*
Buccal cavity, pharynx	2	1.18	1.7	4	2.95	1.4	2	1.60	1.3	1	1.75	0.6	9	7.47	1.2
Lip	1	0.20	5.0	1	0.48	2.1	1	0.26	3.9	1	0.28	3.6	4	1.22	3.3
Tongue	0	0.23	0.0	2	0.59	3.4	1	0.32	3.1	0	0.34	0.0	3	1.49	2.0
Salivary gland	0	0.06	0.0	0	0.15	0.0	0	0.08	0.0	0	0.10	0.0	0	0.39	0.0
Gum, other mouth	0	0.34	0.0	1	0.84	1.2	0	0.46	0.0	0	0.50	0.0	1	2.13	0.5
Pharynx	1	0.31	3.3	0	0.77	0.0	0	0.42	0.0	0	0.46	0.0	1	1.95	0.5
Digestive system	13	7.11	1.8	14	17.74	0.8	9	9.54	0.9	13	10.91	1.2	49	45.28	1.1
Esophagus	0	0.49	0.0	2	1.21	1.6	0	0.65	0.0	0	0.70	0.0	2	3.04	0.7
Stomach	2	1.26	1.6	2	3.07	0.7	3	1.66	1.8	4	1.78	2.2	11	7.77	1.4
Colon	5	2.65	1.9	4	6.66	0.6	3	3.58	0.8	5	4.26	1.2	17	17.14	1.0
Rectum	3	1.50	2.0	3	3.76	0.8	1	2.02	0.5	2	2.28	0.9	9	9.56	0.9
Liver, biliary	1	0.36	2.7	0	0.91	0.0	1	0.49	2.1	1	0.57	1.8	3	2.32	1.3
Pancreas	2	0.73	2.7	3	1.82	1.6	1	0.99	1.0	0	1.14	0.0	6	4.67	1.3
Respiratory system	9	4.84	1.9	19	12.34	1.5	15	6.59	2.3*	13	7.63	1.7	56	31.37	1.8*
Nasal cavities, sinuses	0	0.05	0.0	0	0.12	0.0	0	0.07	0.0	0	0.08	0.0	0	0.32	0.0
Larynx	1	0.55	1.8	4	1.40	2.9	1	0.76	1.3	0	0.82	0.0	6	3.53	1.7
Trachea, bronchus, lung	8	4.19	1.9	15	10.70	1.4	14	5.70	2.5*	12	6.66	1.8	49	27.24	1.8*
Prostate gland	12	3.87	3.1*	7	9.65	0.7	6	5.22	1.1	5	6.55	0.8	30	25.28	1.2
Testis	1	0.06	16.3	1	0.16	6.1	0	0.09	0.0	0	0.10	0.0	2	0.41	4.9
Kidney, renal pelvis, ureter	1	0.59	1.7	0	1.51	0.0	1	0.81	1.2	1	0.93	1.1	3	3.84	0.8
Bladder, other urinary	0	1.64	0.0	7	4.13	1.7	4	2.22	1.8	4	2.68	1.5	15	10.67	1.4
Melanoma of the skin	2	0.29	6.9	2	0.76	2.6	1	0.41	2.5	1	0.49	2.0	6	1.95	3.1*
Eye	0	0.03	0.0	0	0.09	0.0	0	0.05	0.0	0	0.05	0.0	0	0.22	0.0
Brain, central nervous system	2	0.28	7.2	0	0.72	0.0	2	0.38	5.2	3	0.42	7.1*	7	1.80	3.9*
Thyroid gland	1	0.07	14.3	0	0.18	0.0	1	0.10	10.0	0	0.11	0.0	2	0.46	4.3
Bone	0	0.04	0.0	0	0.09	0.0	0	0.05	0.0	0	0.05	0.0	0	0.22	0.0
Connective tissue	0	0.12	0.0	3	0.30	10.0*	0	0.16	0.0	1	0.19	5.4	4	0.76	5.3*
Lymphatic, hematopoietic system	2	1.56	1.3	1	3.92	0.3	1	2.11	0.5	2	2.49	0.8	6	10.07	0.6
Non-Hodgkin's lymphoma	1	0.52	1.9	0	1.32	0.0	0	0.70	0.0	1	0.82	1.2	2	3.37	0.6
Hodgkin's disease	0	0.13	0.0	0	0.33	0.0	0	0.18	0.0	0	0.19	0.0	0	0.82	0.0
Multiple myeloma	0	0.23	0.0	0	0.58	0.0	0	0.31	0.0	0	0.38	0.0	0	1.51	0.0
Leukemias	1	0.68	1.5	1	1.69	0.6	1	0.92	1.1	1	1.09	0.9	4	4.37	0.9
Chronic lymphocytic	0	0.22	0.0	0	0.54	0.0	0	0.30	0.0	0	0.36	0.0	0	1.41	0.0
Acute nonlymphocytic	1	0.20	4.9	1	0.51	1.9	1	0.27	3.6	0	0.34	0.0	3	1.33	2.3

+ ICD-O morphology codes = 9590-9642,9690-9701,9750.

\* P<.05.

NH LYMPHOMA  
FEMALES

TABLE 1E. -- Observed (O) and expected (E) numbers of second primary cancers by years after diagnosis of an initial non-Hodgkin's lymphoma among females in Connecticut, 1935-82+

Second primary cancer site	Yr after first primary cancer diagnosis												Total		
	<1 yr			1-4 yr			5-9 yr			10+ yr			O	E	
No. starting interval	3,195			2,094			869			372			3,195		
Person-yr in interval	2,077			5,317			2,891			2,569			12,854		
	O	E	O/E	O	E	O/E	O	E	O/E	O	E	O/E	O	E	O/E
All second cancers	17	17.68	1.0	46	44.88	1.0	28	24.16	1.2	32	22.81	1.4	123	109.46	1.1
All excluding site of initial cancer	17	17.23	1.0	45	43.73	1.0	28	23.54	1.2	30	22.22	1.4	120	106.65	1.1
Buccal cavity, pharynx	0	0.32	0.0	1	0.82	1.2	0	0.44	0.0	0	0.42	0.0	1	1.99	0.5
Lip	0	0.02	0.0	0	0.05	0.0	0	0.02	0.0	0	0.02	0.0	0	0.11	0.0
Tongue	0	0.06	0.0	0	0.17	0.0	0	0.09	0.0	0	0.09	0.0	0	0.40	0.0
Salivary gland	0	0.04	0.0	0	0.10	0.0	0	0.05	0.0	0	0.05	0.0	0	0.24	0.0
Gum, other mouth	0	0.11	0.0	0	0.29	0.0	0	0.15	0.0	0	0.15	0.0	0	0.70	0.0
Pharynx	0	0.07	0.0	1	0.19	5.3	0	0.10	0.0	0	0.09	0.0	1	0.45	2.2
Digestive system	5	5.34	0.9	17	13.32	1.3	9	7.14	1.3	13	6.77	1.9*	44	32.53	1.4
Esophagus	0	0.12	0.0	1	0.31	3.2	0	0.17	0.0	0	0.16	0.0	1	0.76	1.3
Stomach	1	0.65	1.6	4	1.57	2.6	1	0.84	1.2	3	0.75	4.0	9	3.80	2.4*
Colon	2	2.55	0.8	9	6.38	1.4	5	3.42	1.5	4	3.30	1.2	20	15.63	1.3
Rectum	1	1.02	1.0	1	2.57	0.4	1	1.38	0.7	1	1.30	0.8	4	6.27	0.6
Liver, biliary	0	0.35	0.0	2	0.86	2.3	0	0.46	0.0	1	0.43	2.3	3	2.09	1.4
Pancreas	1	0.54	1.8	0	1.37	0.0	2	0.73	2.7	3	0.71	4.2	6	3.36	1.8
Respiratory system	5	1.20	4.2*	6	3.13	1.9	5	1.68	3.0	1	1.62	0.6	17	7.62	2.2*
Nasal cavities, sinuses	0	0.03	0.0	0	0.07	0.0	0	0.04	0.0	0	0.04	0.0	0	0.18	0.0
Larynx	1	0.07	14.5	0	0.18	0.0	0	0.10	0.0	0	0.09	0.0	1	0.44	2.3
Trachea, bronchus, lung	4	1.09	3.7	6	2.84	2.1	4	1.52	2.6	1	1.47	0.7	15	6.92	2.2*
Female breast	1	4.59	0.2	6	11.78	0.5	6	6.36	0.9	7	6.02	1.2	20	28.73	0.7
Female genital tract	2	2.81	0.7	5	7.13	0.7	3	3.85	0.8	3	3.49	0.9	13	17.26	0.8
Cervix uteri	1	0.52	1.9	1	1.30	0.8	1	0.69	1.4	1	0.59	1.7	4	3.10	1.3
Corpus uteri	1	1.19	0.8	4	3.08	1.3	1	1.68	0.6	1	1.56	0.6	7	7.50	0.9
Uterus, NOS	0	0.17	0.0	0	0.39	0.0	0	0.20	0.0	0	0.15	0.0	0	0.91	0.0
Ovary, fallopian tubes	0	0.77	0.0	0	1.96	0.0	1	1.06	0.9	1	0.97	1.0	2	4.77	0.4
Kidney, renal pelvis, ureter	1	0.28	3.6	0	0.71	0.0	0	0.38	0.0	1	0.36	2.8	2	1.73	1.2
Bladder, other urinary	0	0.50	0.0	0	1.28	0.0	1	0.69	1.5	4	0.67	6.0*	5	3.13	1.6
Melanoma of the skin	0	0.21	0.0	1	0.56	1.8	0	0.31	0.0	0	0.30	0.0	1	1.38	0.7
Eye	0	0.03	0.0	0	0.07	0.0	0	0.04	0.0	0	0.04	0.0	0	0.18	0.0
Brain, central nervous system	0	0.18	0.0	1	0.47	2.1	1	0.25	3.9	0	0.23	0.0	2	1.15	1.7
Thyroid gland	0	0.13	0.0	1	0.33	3.1	0	0.18	0.0	1	0.17	5.9	2	0.80	2.5
Bone	0	0.03	0.0	0	0.06	0.0	1	0.03	31.3	0	0.03	0.0	1	0.15	6.9
Connective tissue	0	0.07	0.0	2	0.19	10.7*	0	0.10	0.0	0	0.09	0.0	2	0.45	4.4
Lymphatic, hematopoietic system	2	1.18	1.7	1	2.98	0.3	1	1.60	0.6	2	1.55	1.3	6	7.31	0.8
Non-Hodgkin's lymphoma	0	0.45	0.0	1	1.15	0.9	0	0.62	0.0	2	0.59	3.4	3	2.81	1.1
Hodgkin's disease	0	0.08	0.0	0	0.21	0.0	1	0.11	9.1	0	0.10	0.0	1	0.50	2.0
Multiple myeloma	1	0.21	4.8	0	0.53	0.0	0	0.28	0.0	0	0.28	0.0	1	1.31	0.8
Leukemias	1	0.43	2.3	0	1.08	0.0	0	0.59	0.0	0	0.57	0.0	1	2.67	0.4
Chronic lymphocytic	0	0.12	0.0	0	0.31	0.0	0	0.17	0.0	0	0.17	0.0	0	0.78	0.0
Acute nonlymphocytic	1	0.15	6.7	0	0.38	0.0	0	0.21	0.0	0	0.21	0.0	1	0.94	1.1

+ ICD-O morphology codes = 9590-9642,9690-9701,9750.

\* P<.05.