

HODGKIN'S
BOTH SEXES

TABLE 2A. -- Characteristics of persons reported to the Connecticut Tumor Registry with an initial Hodgkin's disease, 1935-82+

Category	Male	Female	Total
No. with first primary cancer*	1,821	1,390	3,211
No. who developed a second primary cancer	56	41	97
Average age at diagnosis of first cancer, yr	40	40	40
Average yr of diagnosis of first cancer	1965	1965	1965
Person-yr of follow-up	8,446	7,753	16,199
Average follow-up, yr	4.6	5.6	5.0
Percent given radiotherapy for first cancer	64.1	67.6	65.6

+ ICD-0 morphology codes = 9650-9662.

* 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 2B. -- Microscopic confirmation among persons who developed second primary cancers after an initial Hodgkin's disease in Connecticut, 1935-82

Microscopically confirmed	No.	Percent+
Both first and second cancers	91	93.8
Only the first cancer	3	3.1
Only the second cancer	3	3.1
Neither first nor second cancer	0	0.0
Total second primary cancers	97	100.0

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

HODGKIN'S
BOTH SEXES

TABLE 2C. -- Observed (O) and expected (E) numbers of second primary cancers by years after diagnosis of an initial Hodgkin's disease 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	3,211		2,482			1,193			516			3,211		
Person-yr in interval	2,293		6,776			4,015			3,115			16,199			
	O	E	O/E	O	E	O/E	O	E	O/E	O	E	O/E	O	E	O/E
All second cancers	10	7.99	1.3	27	20.09	1.3	28	12.70	2.2*	32	16.34	2.0*	97	57.08	1.7*
All excluding site of initial cancer	10	7.88	1.3	27	19.78	1.4	28	12.52	2.2*	32	16.21	2.0*	97	56.35	1.7*
Buccal cavity, pharynx	1	0.33	3.0	2	0.83	2.4	4	0.50	7.9*	0	0.58	0.0	7	2.24	3.1*
Lip	0	0.05	0.0	0	0.12	0.0	1	0.06	16.0	0	0.06	0.0	1	0.29	3.4
Tongue	0	0.06	0.0	0	0.16	0.0	1	0.10	9.7	0	0.12	0.0	1	0.45	2.2
Salivary gland	0	0.02	0.0	0	0.06	0.0	0	0.04	0.0	0	0.04	0.0	0	0.17	0.0
Gum, other mouth	0	0.09	0.0	0	0.24	0.0	1	0.15	6.8	0	0.18	0.0	1	0.66	1.5
Pharynx	1	0.08	12.1	1	0.21	4.7	1	0.13	7.6	0	0.16	0.0	3	0.58	5.1*
Digestive system	3	2.31	1.3	2	5.41	0.4	2	3.25	0.6	6	4.17	1.4	13	15.13	0.9
Esophagus	0	0.12	0.0	0	0.30	0.0	0	0.18	0.0	0	0.21	0.0	0	0.81	0.0
Stomach	0	0.39	0.0	0	0.86	0.0	1	0.48	2.1	0	0.54	0.0	1	2.27	0.4
Colon	1	0.91	1.1	1	2.14	0.5	1	1.32	0.8	3	1.79	1.7	6	6.16	1.0
Rectum	0	0.48	0.0	0	1.15	0.0	0	0.68	0.0	2	0.88	2.3	2	3.18	0.6
Liver, biliary	2	0.13	15.3*	1	0.30	3.3	0	0.18	0.0	0	0.22	0.0	3	0.83	3.6
Pancreas	0	0.23	0.0	0	0.55	0.0	0	0.33	0.0	1	0.44	2.3	1	1.55	0.6
Respiratory system	2	1.16	1.7	7	2.98	2.3	3	1.87	1.6	13	2.48	5.2*	25	8.48	2.9*
Nasal cavities, sinuses	0	0.02	0.0	0	0.04	0.0	0	0.03	0.0	0	0.03	0.0	0	0.12	0.0
Larynx	1	0.13	7.5	0	0.34	0.0	0	0.21	0.0	1	0.25	3.9	2	0.94	2.1
Trachea, bronchus, lung	1	0.99	1.0	7	2.56	2.7*	3	1.61	1.9	12	2.17	5.5*	23	7.33	3.1*
Female breast	1	0.92	1.1	3	2.49	1.2	3	1.83	1.6	8	2.65	3.0*	15	7.88	1.9*
Female genital tract	0	0.61	0.0	1	1.61	0.6	2	1.11	1.8	2	1.49	1.3	5	4.81	1.0
Cervix uteri	0	0.15	0.0	0	0.43	0.0	0	0.30	0.0	0	0.32	0.0	0	1.20	0.0
Corpus uteri	0	0.22	0.0	0	0.58	0.0	2	0.40	5.0	0	0.63	0.0	2	1.83	1.1
Uterus, NOS	0	0.04	0.0	0	0.08	0.0	0	0.05	0.0	0	0.05	0.0	0	0.22	0.0
Ovary, fallopian tubes	0	0.17	0.0	1	0.44	2.3	0	0.31	0.0	1	0.42	2.4	2	1.34	1.5
Prostate gland	2	0.65	3.1	1	1.45	0.7	2	0.80	2.5	0	1.14	0.0	5	4.04	1.2
Testis	0	0.05	0.0	0	0.17	0.0	0	0.11	0.0	0	0.06	0.0	0	0.40	0.0
Kidney, renal pelvis, ureter	0	0.18	0.0	1	0.44	2.3	1	0.28	3.6	0	0.35	0.0	2	1.24	1.6
Bladder, other urinary	0	0.39	0.0	3	0.95	3.1	1	0.58	1.7	1	0.77	1.3	5	2.69	1.9
Melanoma of the skin	0	0.14	0.0	1	0.43	2.3	0	0.31	0.0	0	0.33	0.0	1	1.21	0.8
Eye	0	0.02	0.0	0	0.04	0.0	0	0.02	0.0	0	0.03	0.0	0	0.10	0.0
Brain, central nervous system	0	0.13	0.0	0	0.36	0.0	2	0.23	8.7	0	0.24	0.0	2	0.96	2.1
Thyroid gland	0	0.07	0.0	1	0.22	4.5	1	0.16	6.3	2	0.15	13.2*	4	0.60	6.7*
Bone	0	0.02	0.0	0	0.06	0.0	1	0.03	30.8	0	0.02	0.0	1	0.14	7.1
Connective tissue	0	0.05	0.0	0	0.14	0.0	2	0.08	23.8*	0	0.09	0.0	2	0.36	5.5
Lymphatic, hematopoietic system	1	0.62	1.6	3	1.61	1.9	2	0.99	2.0	0	1.12	0.0	6	4.34	1.4
Non-Hodgkin's lymphoma	1	0.20	4.9	1	0.54	1.9	1	0.34	2.9	0	0.42	0.0	3	1.50	2.0
Hodgkin's disease	0	0.11	0.0	0	0.31	0.0	0	0.18	0.0	0	0.13	0.0	0	0.73	0.0
Multiple myeloma	0	0.07	0.0	1	0.19	5.3	0	0.12	0.0	0	0.17	0.0	1	0.55	1.8
Leukemias	0	0.23	0.0	1	0.57	1.7	1	0.35	2.9	0	0.41	0.0	2	1.56	1.3
Chronic lymphocytic	0	0.06	0.0	0	0.14	0.0	0	0.09	0.0	0	0.11	0.0	0	0.40	0.0
Acute nonlymphocytic	0	0.07	0.0	1	0.20	5.0	1	0.13	7.9	0	0.15	0.0	2	0.55	3.7

+ ICD-O morphology codes = 9650-9662.

* P<.05.

HODGKIN'S
MALES

TABLE 2D. -- Observed (O) and expected (E) numbers of second primary cancers by years after diagnosis of an initial Hodgkin's disease among males 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	O	E	O/E	O	E	O/E	O	E	O/E	O	E	O/E
No. starting interval	1,821			1,388			638			245			1,821		
Person-yr in interval	1,290			3,694			2,078			1,384			8,446		
All second cancers	9	4.65	1.9	17	11.41	1.5	19	6.63	2.9*	11	7.88	1.4	56	30.55	1.8*
All excluding site of initial cancer	9	4.58	2.0	17	11.21	1.5	19	6.52	2.9*	11	7.80	1.4	56	30.10	1.9*
Buccal cavity, pharynx	1	0.27	3.7	2	0.67	3.0	4	0.39	10.1*	0	0.42	0.0	7	1.76	4.0*
Lip	0	0.05	0.0	0	0.11	0.0	1	0.06	17.3	0	0.05	0.0	1	0.27	3.7
Tongue	0	0.05	0.0	0	0.13	0.0	1	0.08	12.4	0	0.08	0.0	1	0.35	2.9
Salivary gland	0	0.01	0.0	0	0.04	0.0	0	0.02	0.0	0	0.02	0.0	0	0.10	0.0
Gum, other mouth	0	0.08	0.0	0	0.19	0.0	1	0.11	9.0	0	0.12	0.0	1	0.50	2.0
Pharynx	1	0.07	14.4	1	0.18	5.6	1	0.11	9.4	0	0.12	0.0	3	0.47	6.4*
Digestive system	3	1.43	2.1	0	3.35	0.0	2	1.88	1.1	2	2.25	0.9	7	8.91	0.8
Esophagus	0	0.10	0.0	0	0.25	0.0	0	0.14	0.0	0	0.16	0.0	0	0.65	0.0
Stomach	0	0.28	0.0	0	0.62	0.0	1	0.32	3.1	0	0.34	0.0	1	1.55	0.6
Colon	1	0.50	2.0	0	1.17	0.0	1	0.67	1.5	2	0.87	2.3	4	3.21	1.2
Rectum	0	0.31	0.0	0	0.73	0.0	0	0.41	0.0	0	0.49	0.0	0	1.93	0.0
Liver, biliary	2	0.07	27.7*	0	0.17	0.0	0	0.10	0.0	0	0.11	0.0	2	0.45	4.4
Pancreas	0	0.14	0.0	0	0.34	0.0	0	0.20	0.0	0	0.24	0.0	0	0.93	0.0
Respiratory system	2	0.96	2.1	5	2.44	2.1	3	1.48	2.0	8	1.84	4.4*	18	6.71	2.7*
Nasal cavities, sinuses	0	0.01	0.0	0	0.03	0.0	0	0.02	0.0	0	0.02	0.0	0	0.07	0.0
Larynx	1	0.12	8.3	0	0.31	0.0	0	0.19	0.0	1	0.21	4.7	2	0.83	2.4
Trachea, bronchus, lung	1	0.82	1.2	5	2.08	2.4	3	1.26	2.4	7	1.59	4.4*	16	5.74	2.8*
Prostate gland	2	0.65	3.1	1	1.45	0.7	2	0.80	2.5	0	1.14	0.0	5	4.04	1.2
Testis	0	0.05	0.0	0	0.17	0.0	0	0.11	0.0	0	0.06	0.0	0	0.40	0.0
Kidney, renal pelvis, ureter	0	0.13	0.0	1	0.32	3.1	1	0.19	5.2	0	0.22	0.0	2	0.86	2.3
Bladder, other urinary	0	0.31	0.0	3	0.76	4.0	1	0.44	2.3	1	0.57	1.8	5	2.08	2.4
Melanoma of the skin	0	0.08	0.0	0	0.25	0.0	0	0.16	0.0	0	0.16	0.0	0	0.65	0.0
Eye	0	0.01	0.0	0	0.02	0.0	0	0.01	0.0	0	0.01	0.0	0	0.06	0.0
Brain, central nervous system	0	0.08	0.0	0	0.23	0.0	2	0.14	14.1*	0	0.13	0.0	2	0.59	3.4
Thyroid gland	0	0.02	0.0	0	0.07	0.0	0	0.05	0.0	0	0.04	0.0	0	0.18	0.0
Bone	0	0.01	0.0	0	0.04	0.0	0	0.02	0.0	0	0.01	0.0	0	0.09	0.0
Connective tissue	0	0.03	0.0	0	0.09	0.0	1	0.05	19.8	0	0.05	0.0	1	0.22	4.5
Lymphatic, hematopoietic system	1	0.38	2.6	3	0.99	3.0	1	0.58	1.7	0	0.60	0.0	5	2.56	2.0
Non-Hodgkin's lymphoma	1	0.12	8.2	1	0.32	3.1	1	0.20	5.1	0	0.21	0.0	3	0.85	3.5
Hodgkin's disease	0	0.07	0.0	0	0.20	0.0	0	0.11	0.0	0	0.08	0.0	0	0.45	0.0
Multiple myeloma	0	0.04	0.0	1	0.11	9.4	0	0.06	0.0	0	0.08	0.0	1	0.30	3.4
Leukemias	0	0.15	0.0	1	0.37	2.7	0	0.21	0.0	0	0.23	0.0	1	0.96	1.0
Chronic lymphocytic	0	0.04	0.0	0	0.10	0.0	0	0.06	0.0	0	0.07	0.0	0	0.26	0.0
Acute nonlymphocytic	0	0.05	0.0	1	0.12	8.5	0	0.07	0.0	0	0.08	0.0	1	0.31	3.2

+ ICD-O morphology codes = 9650-9662.

* P<.05.

HODGKIN'S
FEMALES

TABLE 2E. -- Observed (O) and expected (E) numbers of second primary cancers by years after diagnosis of an initial Hodgkin's disease 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	1,390		1,094			555			271			1,390		
Person-yr in interval	1,003		3,082			1,937			1,731			7,753			
	O	E	O/E	O	E	O/E	O	E	O/E	O	E	O/E	O	E	O/E
All second cancers	1	3.34	0.3	10	8.68	1.2	9	6.06	1.5	21	8.46	2.5*	41	26.52	1.5*
All excluding site of initial cancer	1	3.30	0.3	10	8.56	1.2	9	5.99	1.5	21	8.40	2.5*	41	26.23	1.6*
Buccal cavity, pharynx	0	0.06	0.0	0	0.15	0.0	0	0.11	0.0	0	0.16	0.0	0	0.49	0.0
Lip	0	0.00	0.0	0	0.01	0.0	0	0.00	0.0	0	0.01	0.0	0	0.02	0.0
Tongue	0	0.01	0.0	0	0.03	0.0	0	0.02	0.0	0	0.03	0.0	0	0.10	0.0
Salivary gland	0	0.01	0.0	0	0.03	0.0	0	0.02	0.0	0	0.02	0.0	0	0.07	0.0
Gum, other mouth	0	0.02	0.0	0	0.05	0.0	0	0.04	0.0	0	0.06	0.0	0	0.16	0.0
Pharynx	0	0.01	0.0	0	0.04	0.0	0	0.03	0.0	0	0.04	0.0	0	0.11	0.0
Digestive system	0	0.88	0.0	2	2.06	1.0	0	1.37	0.0	4	1.91	2.1	6	6.22	1.0
Esophagus	0	0.02	0.0	0	0.05	0.0	0	0.03	0.0	0	0.05	0.0	0	0.16	0.0
Stomach	0	0.11	0.0	0	0.24	0.0	0	0.16	0.0	0	0.20	0.0	0	0.71	0.0
Colon	0	0.41	0.0	1	0.97	1.0	0	0.65	0.0	1	0.92	1.1	2	2.95	0.7
Rectum	0	0.17	0.0	0	0.41	0.0	0	0.27	0.0	2	0.39	5.1	2	1.25	1.6
Liver, biliary	0	0.06	0.0	1	0.13	7.7	0	0.08	0.0	0	0.11	0.0	1	0.38	2.6
Pancreas	0	0.09	0.0	0	0.20	0.0	0	0.13	0.0	1	0.20	5.0	1	0.62	1.6
Respiratory system	0	0.20	0.0	2	0.54	3.7	0	0.39	0.0	5	0.64	7.8*	7	1.78	3.9*
Nasal cavities, sinuses	0	0.01	0.0	0	0.01	0.0	0	0.01	0.0	0	0.01	0.0	0	0.04	0.0
Larynx	0	0.01	0.0	0	0.03	0.0	0	0.03	0.0	0	0.04	0.0	0	0.11	0.0
Trachea, bronchus, lung	0	0.18	0.0	2	0.49	4.1	0	0.35	0.0	5	0.58	8.6*	7	1.60	4.4*
Female breast	1	0.92	1.1	3	2.49	1.2	3	1.83	1.6	8	2.65	3.0*	15	7.88	1.9*
Female genital tract	0	0.61	0.0	1	1.61	0.6	2	1.11	1.8	2	1.49	1.3	5	4.81	1.0
Cervix uteri	0	0.15	0.0	0	0.43	0.0	0	0.30	0.0	0	0.32	0.0	0	1.20	0.0
Corpus uteri	0	0.22	0.0	0	0.58	0.0	2	0.40	5.0	0	0.63	0.0	2	1.83	1.1
Uterus, NOS	0	0.04	0.0	0	0.08	0.0	0	0.05	0.0	0	0.05	0.0	0	0.22	0.0
Ovary, fallopian tubes	0	0.17	0.0	1	0.44	2.3	0	0.31	0.0	1	0.42	2.4	2	1.34	1.5
Kidney, renal pelvis, ureter	0	0.05	0.0	0	0.12	0.0	0	0.08	0.0	0	0.12	0.0	0	0.38	0.0
Bladder, other urinary	0	0.08	0.0	0	0.20	0.0	0	0.13	0.0	0	0.20	0.0	0	0.61	0.0
Melanoma of the skin	0	0.06	0.0	1	0.19	5.4	0	0.15	0.0	0	0.18	0.0	1	0.56	1.8
Eye	0	0.01	0.0	0	0.02	0.0	0	0.01	0.0	0	0.01	0.0	0	0.04	0.0
Brain, central nervous system	0	0.05	0.0	0	0.13	0.0	0	0.09	0.0	0	0.11	0.0	0	0.37	0.0
Thyroid gland	0	0.04	0.0	1	0.15	6.7	1	0.11	8.9	2	0.11	17.9*	4	0.42	9.6*
Bone	0	0.01	0.0	0	0.02	0.0	1	0.01	84.1*	0	0.01	0.0	1	0.05	19.0
Connective tissue	0	0.02	0.0	0	0.05	0.0	1	0.03	29.7	0	0.04	0.0	1	0.14	7.0
Lymphatic, hematopoietic system	0	0.23	0.0	0	0.62	0.0	1	0.41	2.5	0	0.52	0.0	1	1.78	0.6
Non-Hodgkin's lymphoma	0	0.08	0.0	0	0.21	0.0	0	0.15	0.0	0	0.21	0.0	0	0.65	0.0
Hodgkin's disease	0	0.04	0.0	0	0.12	0.0	0	0.07	0.0	0	0.06	0.0	0	0.29	0.0
Multiple myeloma	0	0.03	0.0	0	0.08	0.0	0	0.05	0.0	0	0.08	0.0	0	0.25	0.0
Leukemias	0	0.08	0.0	0	0.21	0.0	1	0.14	7.4	0	0.17	0.0	1	0.60	1.7
Chronic lymphocytic	0	0.02	0.0	0	0.05	0.0	0	0.03	0.0	0	0.04	0.0	0	0.14	0.0
Acute nonlymphocytic	0	0.03	0.0	0	0.08	0.0	1	0.06	18.0	0	0.07	0.0	1	0.24	4.3

+ ICD-O morphology codes = 9650-9662.

* P<.05.