

TESTIS
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TABLE 2A. -- Characteristics of persons reported to the Connecticut Tumor Registry with an initial cancer of the testis, 1935-82+

Category	Male	Female	Total
No. with first primary cancer*	1,446	0	1,446
No. who developed a second primary cancer	104	0	104
Average age at diagnosis of first cancer, yr	35	0	35
Average yr of diagnosis of first cancer	1965	0	1965
Person-yr of follow-up	12,031	0	12,031
Average follow-up, yr	8.3	0.0	8.3
Percent given radiotherapy for first cancer	58.4	0.0	58.4

+ ICD-0 code = 186.

* 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 cancer of the testis in Connecticut, 1935-82

Microscopically confirmed	No.	Percent+
Both first and second cancers	94	90.4
Only the first cancer	8	7.7
Only the second cancer	2	1.9
Neither first nor second cancer	0	0.0
Total second primary cancers	104	100.0

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

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TABLE 2C. -- Observed (O) and expected (E) numbers of second primary cancers by years after diagnosis of an initial cancer of the testis 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	1,446			1,189			725			451			1,446		
Person-yr in interval	1,091			3,590			2,867			4,483			12,031		
All second cancers	6	2.04	2.9*	14	7.71	1.8	19	9.07	2.1*	65	31.24	2.1*	104	50.05	2.1*
All excluding site of initial cancer	6	1.98	3.0*	12	7.52	1.6	16	8.93	1.8*	64	31.09	2.1*	98	49.51	2.0*
Buccal cavity, pharynx	0	0.13	0.0	1	0.50	2.0	0	0.59	0.0	3	1.81	1.7	4	3.03	1.3
Lip	0	0.02	0.0	1	0.08	12.3	0	0.09	0.0	0	0.23	0.0	1	0.42	2.4
Tongue	0	0.03	0.0	0	0.10	0.0	0	0.12	0.0	0	0.37	0.0	0	0.62	0.0
Salivary gland	0	0.01	0.0	0	0.03	0.0	0	0.03	0.0	0	0.09	0.0	0	0.16	0.0
Gum, other mouth	0	0.03	0.0	0	0.14	0.0	0	0.17	0.0	2	0.55	3.7	2	0.88	2.3
Pharynx	0	0.03	0.0	0	0.13	0.0	0	0.16	0.0	0	0.51	0.0	0	0.84	0.0
Digestive system	3	0.57	5.2*	1	2.16	0.5	7	2.59	2.7*	18	8.97	2.0*	29	14.29	2.0*
Esophagus	0	0.04	0.0	0	0.17	0.0	1	0.20	4.9	0	0.67	0.0	1	1.08	0.9
Stomach	0	0.11	0.0	0	0.41	0.0	0	0.47	0.0	4	1.39	2.9	4	2.38	1.7
Colon	2	0.19	10.3*	0	0.73	0.0	3	0.89	3.4	4	3.34	1.2	9	5.15	1.7
Rectum	0	0.12	0.0	0	0.47	0.0	0	0.57	0.0	5	1.98	2.5	5	3.15	1.6
Liver, biliary	1	0.03	36.5	1	0.10	9.6	0	0.13	0.0	1	0.46	2.2	3	0.72	4.2
Pancreas	0	0.06	0.0	0	0.23	0.0	3	0.27	10.9*	3	0.97	3.1	6	1.53	3.9*
Respiratory system	0	0.42	0.0	4	1.67	2.4	4	2.09	1.9	9	7.64	1.2	17	11.82	1.4
Nasal cavities, sinuses	0	0.01	0.0	0	0.02	0.0	0	0.02	0.0	0	0.07	0.0	0	0.12	0.0
Larynx	0	0.06	0.0	0	0.23	0.0	0	0.28	0.0	0	0.93	0.0	0	1.50	0.0
Trachea, bronchus, lung	0	0.35	0.0	4	1.40	2.9	4	1.77	2.3	9	6.57	1.4	17	10.08	1.7
Prostate gland	0	0.19	0.0	1	0.67	1.5	0	0.87	0.0	11	4.13	2.7*	12	5.86	2.0*
Testis	0	0.06	0.0	2	0.19	10.4*	3	0.14	22.1*	1	0.15	6.6	6	0.54	11.2*
Kidney, renal pelvis, ureter	0	0.06	0.0	1	0.24	4.2	0	0.29	0.0	4	0.94	4.2*	5	1.53	3.3*
Bladder, other urinary	0	0.13	0.0	1	0.49	2.1	1	0.59	1.7	7	2.23	3.1*	9	3.44	2.6*
Melanoma of the skin	1	0.06	16.2	0	0.24	0.0	0	0.25	0.0	2	0.62	3.2	3	1.17	2.6
Eye	0	0.00	0.0	0	0.02	0.0	0	0.02	0.0	0	0.05	0.0	0	0.10	0.0
Brain, central nervous system	0	0.06	0.0	0	0.21	0.0	0	0.22	0.0	0	0.55	0.0	0	1.04	0.0
Thyroid gland	0	0.02	0.0	0	0.07	0.0	0	0.07	0.0	0	0.14	0.0	0	0.30	0.0
Bone	0	0.01	0.0	0	0.03	0.0	0	0.02	0.0	0	0.05	0.0	0	0.11	0.0
Connective tissue	0	0.02	0.0	0	0.08	0.0	1	0.07	13.4	2	0.18	11.2*	3	0.35	8.6*
Lymphatic, hematopoietic system	2	0.22	9.3*	3	0.78	3.9	2	0.80	2.5	7	2.32	3.0*	14	4.11	3.4*
Non-Hodgkin's lymphoma	2	0.07	28.3*	1	0.27	3.8	1	0.29	3.4	2	0.85	2.4	6	1.48	4.1*
Hodgkin's disease	0	0.05	0.0	0	0.17	0.0	0	0.13	0.0	0	0.23	0.0	0	0.59	0.0
Multiple myeloma	0	0.02	0.0	0	0.07	0.0	0	0.09	0.0	0	0.33	0.0	0	0.51	0.0
Leukemias	0	0.07	0.0	2	0.27	7.5	1	0.29	3.5	5	0.91	5.5*	8	1.53	5.2*
Chronic lymphocytic	0	0.02	0.0	0	0.06	0.0	0	0.07	0.0	1	0.29	3.5	1	0.44	2.3
Acute nonlymphocytic	0	0.02	0.0	2	0.09	23.4*	0	0.09	0.0	3	0.29	10.2*	5	0.49	10.1*

+ ICD-O code = 186.

* P<.05.

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TABLE 2D. -- Observed (O) and expected (E) numbers of second primary cancers by years after diagnosis of an initial cancer of the testis among males given radiotherapy 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	844			714			473			309			844		
Person-yr in interval	645			2,279			1,938			3,029			7,892		
All second cancers	2	1.21	1.7	8	5.01	1.6	14	6.30	2.2*	46	20.87	2.2*	70	33.38	2.1*
All excluding site of initial cancer	2	1.18	1.7	8	4.89	1.6	12	6.21	1.9	45	20.77	2.2*	67	33.03	2.0*
Buccal cavity, pharynx	0	0.08	0.0	1	0.34	2.9	0	0.42	0.0	3	1.22	2.5	4	2.06	1.9
Lip	0	0.01	0.0	1	0.05	19.1	0	0.06	0.0	0	0.15	0.0	1	0.27	3.7
Tongue	0	0.02	0.0	0	0.07	0.0	0	0.08	0.0	0	0.25	0.0	0	0.42	0.0
Salivary gland	0	0.01	0.0	0	0.02	0.0	0	0.02	0.0	0	0.06	0.0	0	0.11	0.0
Gum, other mouth	0	0.02	0.0	0	0.09	0.0	0	0.12	0.0	2	0.37	5.4	2	0.61	3.3
Pharynx	0	0.02	0.0	0	0.09	0.0	0	0.11	0.0	0	0.35	0.0	0	0.58	0.0
Digestive system	0	0.34	0.0	1	1.39	0.7	5	1.77	2.8	11	5.94	1.9	17	9.43	1.8*
Esophagus	0	0.03	0.0	0	0.11	0.0	1	0.14	7.0	0	0.44	0.0	1	0.72	1.4
Stomach	0	0.06	0.0	0	0.26	0.0	0	0.31	0.0	3	0.91	3.3	3	1.54	1.9
Colon	0	0.11	0.0	0	0.46	0.0	2	0.61	3.3	2	2.21	0.9	4	3.39	1.2
Rectum	0	0.07	0.0	0	0.31	0.0	0	0.39	0.0	3	1.32	2.3	3	2.10	1.4
Liver, biliary	0	0.02	0.0	1	0.07	15.0	0	0.09	0.0	1	0.30	3.3	2	0.47	4.2
Pancreas	0	0.04	0.0	0	0.15	0.0	2	0.19	10.5*	2	0.64	3.1	4	1.02	3.9*
Respiratory system	0	0.26	0.0	3	1.13	2.7	4	1.50	2.7	8	5.17	1.5	15	8.07	1.9*
Nasal cavities, sinuses	0	0.00	0.0	0	0.01	0.0	0	0.02	0.0	0	0.05	0.0	0	0.08	0.0
Larynx	0	0.04	0.0	0	0.16	0.0	0	0.20	0.0	0	0.64	0.0	0	1.03	0.0
Trachea, bronchus, lung	0	0.22	0.0	3	0.94	3.2	4	1.27	3.2	8	4.44	1.8	15	6.87	2.2*
Prostate gland	0	0.10	0.0	0	0.38	0.0	0	0.57	0.0	6	2.69	2.2	6	3.74	1.6
Testis	0	0.03	0.0	0	0.12	0.0	2	0.09	21.9*	1	0.10	9.9	3	0.35	8.6*
Kidney, renal pelvis, ureter	0	0.04	0.0	1	0.16	6.2	0	0.21	0.0	3	0.64	4.7	4	1.05	3.8*
Bladder, other urinary	0	0.07	0.0	1	0.31	3.2	1	0.42	2.4	6	1.49	4.0*	8	2.30	3.5*
Melanoma of the skin	1	0.04	25.7	0	0.16	0.0	0	0.18	0.0	2	0.43	4.7	3	0.81	3.7
Eye	0	0.00	0.0	0	0.01	0.0	0	0.01	0.0	0	0.04	0.0	0	0.07	0.0
Brain, central nervous system	0	0.04	0.0	0	0.14	0.0	0	0.16	0.0	0	0.38	0.0	0	0.71	0.0
Thyroid gland	0	0.01	0.0	0	0.05	0.0	0	0.05	0.0	0	0.10	0.0	0	0.20	0.0
Bone	0	0.01	0.0	0	0.02	0.0	0	0.02	0.0	0	0.03	0.0	0	0.07	0.0
Connective tissue	0	0.01	0.0	0	0.05	0.0	0	0.05	0.0	1	0.12	8.3	1	0.23	4.3
Lymphatic, hematopoietic system	1	0.13	7.9	1	0.50	2.0	1	0.55	1.8	4	1.56	2.6	7	2.73	2.6*
Non-Hodgkin's lymphoma	1	0.04	23.1	0	0.18	0.0	1	0.20	4.9	1	0.58	1.7	3	1.00	3.0
Hodgkin's disease	0	0.03	0.0	0	0.11	0.0	0	0.09	0.0	0	0.15	0.0	0	0.38	0.0
Multiple myeloma	0	0.01	0.0	0	0.05	0.0	0	0.06	0.0	0	0.22	0.0	0	0.34	0.0
Leukemias	0	0.04	0.0	1	0.17	6.0	0	0.19	0.0	3	0.60	5.0*	4	1.00	4.0*
Chronic lymphocytic	0	0.01	0.0	0	0.04	0.0	0	0.05	0.0	1	0.19	5.2	1	0.29	3.5
Acute nonlymphocytic	0	0.01	0.0	1	0.05	18.6	0	0.06	0.0	1	0.19	5.2	2	0.32	6.2

+ ICD-O code = 186.

* P<.05.

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TABLE 2E. -- Observed (O) and expected (E) numbers of second primary cancers by years after diagnosis of an initial cancer of the testis among males not given radiotherapy in Connecticut, 1935-82+

	Yr after first primary cancer diagnosis														
	<1 yr			1-4 yr			5-9 yr			10+ yr			Total		
No. starting interval	602			475			252			142			602		
Person-yr in interval	446			1,311			929			1,454			4,139		
Second primary cancer site	O	E	O/E	O	E	O/E	O	E	O/E	O	E	O/E	O	E	O/E
All second cancers	4	0.83	4.8*	6	2.70	2.2	5	2.77	1.8	19	10.37	1.8*	34	16.67	2.0*
All excluding site of initial cancer	4	0.81	4.9*	4	2.63	1.5	4	2.73	1.5	19	10.32	1.8*	31	16.48	1.9*
Buccal cavity, pharynx	0	0.05	0.0	0	0.16	0.0	0	0.18	0.0	0	0.59	0.0	0	0.97	0.0
Lip	0	0.01	0.0	0	0.03	0.0	0	0.03	0.0	0	0.08	0.0	0	0.15	0.0
Tongue	0	0.01	0.0	0	0.03	0.0	0	0.04	0.0	0	0.12	0.0	0	0.20	0.0
Salivary gland	0	0.00	0.0	0	0.01	0.0	0	0.01	0.0	0	0.03	0.0	0	0.05	0.0
Gum, other mouth	0	0.01	0.0	0	0.04	0.0	0	0.05	0.0	0	0.17	0.0	0	0.28	0.0
Pharynx	0	0.01	0.0	0	0.04	0.0	0	0.05	0.0	0	0.16	0.0	0	0.26	0.0
Digestive system	3	0.24	12.6*	0	0.77	0.0	2	0.82	2.4	7	3.03	2.3	12	4.86	2.5*
Esophagus	0	0.02	0.0	0	0.06	0.0	0	0.06	0.0	0	0.22	0.0	0	0.36	0.0
Stomach	0	0.05	0.0	0	0.15	0.0	0	0.16	0.0	1	0.48	2.1	1	0.84	1.2
Colon	2	0.08	24.6*	0	0.27	0.0	1	0.28	3.6	2	1.13	1.8	5	1.76	2.8
Rectum	0	0.05	0.0	0	0.16	0.0	0	0.18	0.0	2	0.66	3.0	2	1.05	1.9
Liver, biliary	1	0.01	86.9*	0	0.04	0.0	0	0.04	0.0	0	0.15	0.0	1	0.24	4.1
Pancreas	0	0.02	0.0	0	0.08	0.0	1	0.08	11.9	1	0.33	3.0	2	0.51	3.9
Respiratory system	0	0.16	0.0	1	0.54	1.9	0	0.59	0.0	1	2.47	0.4	2	3.75	0.5
Nasal cavities, sinuses	0	0.00	0.0	0	0.01	0.0	0	0.01	0.0	0	0.02	0.0	0	0.04	0.0
Larynx	0	0.02	0.0	0	0.07	0.0	0	0.08	0.0	0	0.30	0.0	0	0.46	0.0
Trachea, bronchus, lung	0	0.13	0.0	1	0.45	2.2	0	0.50	0.0	1	2.13	0.5	2	3.21	0.6
Prostate gland	0	0.09	0.0	1	0.29	3.5	0	0.30	0.0	5	1.44	3.5*	6	2.12	2.8*
Testis	0	0.02	0.0	2	0.07	28.0*	1	0.04	22.3	0	0.05	0.0	3	0.19	15.7*
Kidney, renal pelvis, ureter	0	0.02	0.0	0	0.08	0.0	0	0.08	0.0	1	0.30	3.3	1	0.49	2.1
Bladder, other urinary	0	0.05	0.0	0	0.17	0.0	0	0.18	0.0	1	0.74	1.4	1	1.14	0.9
Melanoma of the skin	0	0.02	0.0	0	0.08	0.0	0	0.07	0.0	0	0.19	0.0	0	0.36	0.0
Eye	0	0.00	0.0	0	0.01	0.0	0	0.01	0.0	0	0.02	0.0	0	0.03	0.0
Brain, central nervous system	0	0.02	0.0	0	0.07	0.0	0	0.06	0.0	0	0.17	0.0	0	0.33	0.0
Thyroid gland	0	0.01	0.0	0	0.02	0.0	0	0.02	0.0	0	0.05	0.0	0	0.09	0.0
Bone	0	0.00	0.0	0	0.01	0.0	0	0.01	0.0	0	0.02	0.0	0	0.04	0.0
Connective tissue	0	0.01	0.0	0	0.03	0.0	1	0.02	42.5	1	0.06	17.0	2	0.12	17.2*
Lymphatic, hematopoietic system	1	0.09	11.3	2	0.28	7.2	1	0.25	4.0	3	0.77	3.9	7	1.38	5.1*
Non-Hodgkin's lymphoma	1	0.03	36.7	1	0.09	11.3	0	0.09	0.0	1	0.27	3.7	3	0.47	6.4*
Hodgkin's disease	0	0.02	0.0	0	0.06	0.0	0	0.04	0.0	0	0.08	0.0	0	0.21	0.0
Multiple myeloma	0	0.01	0.0	0	0.02	0.0	0	0.03	0.0	0	0.11	0.0	0	0.17	0.0
Leukemias	0	0.03	0.0	1	0.10	10.1	1	0.09	10.8	2	0.31	6.5	4	0.53	7.5*
Chronic lymphocytic	0	0.01	0.0	0	0.02	0.0	0	0.02	0.0	0	0.09	0.0	0	0.15	0.0
Acute nonlymphocytic	0	0.01	0.0	1	0.03	31.5	0	0.03	0.0	2	0.10	20.1*	3	0.17	17.6*

+ ICD-O code = 186.

* P<.05.