

CONNECTIVE  
BOTH SEXES

TABLE 6A. -- Characteristics of persons reported to the Danish Cancer Registry with an initial cancer of the connective tissue, 1943-80+

Category	Male	Female	Total
No. with first primary cancer*	1,224	1,094	2,318
No. who developed a second primary cancer	60	63	123
Average age at diagnosis of first cancer, yr	53	52	52
Average yr of diagnosis of first cancer	1962	1961	1961
Person-yr of follow-up	8,040	9,325	17,365
Average follow-up, yr	6.6	8.5	7.6
Percent given radiotherapy for first cancer	42	39	41

+ ICD-7 code = 197.

\* 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 6B. -- Microscopic confirmation among persons who developed second primary cancers after an initial cancer of the connective tissue in Denmark, 1943-80

Microscopically confirmed	No.	Percent+
Both first and second cancers	86	69.9
Only the first cancer	25	20.3
Only the second cancer	10	8.1
Neither first nor second cancer	2	1.6
Total second primary cancers	123	100.0

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

CONNECTIVE  
BOTH SEXES

TABLE 6C. -- Observed (O) and expected (E) numbers of second primary cancers by years after diagnosis of an initial cancer of the connective tissue among males and females in Denmark, 1943-80+

Second primary cancer site	Yr after first primary cancer diagnosis														
	<1 yr			1-4 yr			5-9 yr			10+ yr			Total		
	No. starting interval	2,318		1,664			934			619			2,318		
Person-yr in interval	1,974		4,756			3,770			6,866			17,365			
	O	E	O/E	O	E	O/E	O	E	O/E	O	E	O/E	O	E	O/E
All second cancers	9	13.21	0.7	23	30.35	0.8	24	24.04	1.0	67	54.88	1.2	123	122.47	1.0
All excluding site of initial cancer	9	13.15	0.7	23	30.23	0.8	24	23.95	1.0	67	54.71	1.2	123	122.02	1.0
Buccal cavity, pharynx	0	0.34	0.0	0	0.75	0.0	1	0.56	1.8	1	1.17	0.9	2	2.83	0.7
Lip	0	0.16	0.0	0	0.35	0.0	1	0.25	4.0	1	0.48	2.1	2	1.23	1.6
Tongue	0	0.03	0.0	0	0.07	0.0	0	0.05	0.0	0	0.12	0.0	0	0.28	0.0
Salivary gland	0	0.04	0.0	0	0.10	0.0	0	0.08	0.0	0	0.15	0.0	0	0.36	0.0
Gum, other mouth	0	0.05	0.0	0	0.11	0.0	0	0.09	0.0	0	0.24	0.0	0	0.50	0.0
Pharynx	0	0.05	0.0	0	0.12	0.0	0	0.09	0.0	0	0.20	0.0	0	0.46	0.0
Digestive system	3	4.94	0.6	4	10.77	0.4*	3	8.16	0.4	22	17.62	1.2	32	41.50	0.8
Esophagus	0	0.20	0.0	0	0.42	0.0	0	0.30	0.0	0	0.59	0.0	0	1.51	0.0
Stomach	3	1.59	1.9	2	3.30	0.6	1	2.36	0.4	3	4.11	0.7	9	11.36	0.8
Colon	0	1.21	0.0	1	2.73	0.4	1	2.16	0.5	9	5.24	1.7	11	11.34	1.0
Rectum	0	1.01	0.0	0	2.22	0.0	0	1.68	0.0	5	3.58	1.4	5	8.49	0.6
Liver, biliary	0	0.29	0.0	0	0.67	0.0	0	0.54	0.0	2	1.44	1.4	2	2.93	0.7
Pancreas	0	0.44	0.0	0	1.02	0.0	1	0.82	1.2	2	2.09	1.0	3	4.38	0.7
Respiratory system	2	1.63	1.2	7	3.80	1.8	3	3.01	1.0	10	7.56	1.3	22	16.00	1.4
Nasal cavities, sinuses	0	0.03	0.0	0	0.07	0.0	0	0.06	0.0	0	0.11	0.0	0	0.27	0.0
Larynx	0	0.11	0.0	0	0.26	0.0	0	0.19	0.0	1	0.48	2.1	1	1.05	1.0
Trachea, bronchus, lung	2	1.40	1.4	6	3.28	1.8	3	2.60	1.2	8	6.63	1.2	19	13.91	1.4
Female breast	0	1.19	0.0	2	3.01	0.7	7	2.60	2.7*	11	6.52	1.7	20	13.33	1.5
Female genital tract	1	1.16	0.9	0	3.04	0.0	2	2.69	0.7	6	6.09	1.0	9	12.97	0.7
Cervix uteri	0	0.44	0.0	0	1.19	0.0	0	1.06	0.0	1	2.05	0.5	1	4.74	0.2
Corpus uteri	1	0.30	3.3	0	0.78	0.0	1	0.71	1.4	2	1.77	1.1	4	3.55	1.1
Uterus, NOS	0	0.03	0.0	0	0.06	0.0	0	0.05	0.0	0	0.09	0.0	0	0.23	0.0
Ovary, fallopian tubes	0	0.32	0.0	0	0.84	0.0	1	0.74	1.4	1	1.83	0.5	2	3.73	0.5
Prostate gland	0	0.98	0.0	3	2.13	1.4	1	1.55	0.6	3	3.18	0.9	7	7.82	0.9
Testis	0	0.05	0.0	0	0.13	0.0	0	0.11	0.0	1	0.20	5.1	1	0.49	2.0
Kidney, renal pelvis, ureter	3	0.37	8.1*	0	0.86	0.0	1	0.69	1.4	1	1.69	0.6	5	3.62	1.4
Bladder, other urinary	0	0.70	0.0	3	1.61	1.9	0	1.27	0.0	1	3.10	0.3	4	6.67	0.6
Melanoma of the skin	0	0.14	0.0	1	0.36	2.8	0	0.30	0.0	2	0.78	2.6	3	1.59	1.9
Eye	0	0.04	0.0	0	0.10	0.0	1	0.08	12.5	0	0.16	0.0	1	0.38	2.6
Brain, central nervous system	0	0.25	0.0	0	0.62	0.0	1	0.52	1.9	2	1.17	1.7	3	2.57	1.2
Thyroid gland	0	0.06	0.0	0	0.14	0.0	0	0.12	0.0	0	0.29	0.0	0	0.60	0.0
Bone	0	0.03	0.0	0	0.07	0.0	0	0.05	0.0	0	0.10	0.0	0	0.24	0.0
Connective tissue	0	0.06	0.0	0	0.12	0.0	0	0.09	0.0	0	0.17	0.0	0	0.45	0.0
Lymphatic, hematopoietic system	0	0.78	0.0	2	1.80	1.1	3	1.44	2.1	6	3.36	1.8	11	7.37	1.5
Non-Hodgkin's lymphoma	0	0.21	0.0	1	0.48	2.1	1	0.39	2.6	4	0.96	4.2*	6	2.04	2.9*
Hodgkin's disease	0	0.07	0.0	0	0.17	0.0	0	0.14	0.0	1	0.28	3.6	1	0.65	1.5
Multiple myeloma	0	0.14	0.0	0	0.32	0.0	1	0.25	4.0	1	0.64	1.6	2	1.36	1.5
Leukemias	0	0.36	0.0	1	0.81	1.2	1	0.63	1.6	0	1.44	0.0	2	3.24	0.6
Chronic lymphocytic	0	0.18	0.0	0	0.40	0.0	1	0.30	3.3	0	0.68	0.0	1	1.56	0.6
Acute nonlymphocytic	0	0.08	0.0	0	0.20	0.0	0	0.17	0.0	0	0.45	0.0	0	0.90	0.0

+ ICD-7 code = 197.

\* P<.05.

CONNECTIVE  
MALES

TABLE 6D. -- Observed (O) and expected (E) numbers of second primary cancers by years after diagnosis of an initial cancer of the connective tissue among males in Denmark, 1943-80+

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	1,224			852			436			286			1,224		
Person-yr in interval	1,031			2,318			1,736			2,955			8,040		
All second cancers	5	7.57	0.7	13	16.58	0.8	11	12.15	0.9	31	25.02	1.2	60	61.31	1.0
All excluding site of initial cancer	5	7.53	0.7	13	16.51	0.8	11	12.10	0.9	31	24.94	1.2	60	61.07	1.0
Buccal cavity, pharynx	0	0.26	0.0	0	0.57	0.0	1	0.41	2.4	0	0.79	0.0	1	2.04	0.5
Lip	0	0.15	0.0	0	0.32	0.0	1	0.23	4.4	0	0.42	0.0	1	1.11	0.9
Tongue	0	0.02	0.0	0	0.04	0.0	0	0.03	0.0	0	0.06	0.0	0	0.15	0.0
Salivary gland	0	0.02	0.0	0	0.05	0.0	0	0.04	0.0	0	0.07	0.0	0	0.17	0.0
Gum, other mouth	0	0.03	0.0	0	0.07	0.0	0	0.05	0.0	0	0.12	0.0	0	0.28	0.0
Pharynx	0	0.04	0.0	0	0.09	0.0	0	0.06	0.0	0	0.13	0.0	0	0.32	0.0
Digestive system	3	3.03	1.0	3	6.43	0.5	1	4.51	0.2	12	8.37	1.4	19	22.35	0.9
Esophagus	0	0.14	0.0	0	0.30	0.0	0	0.20	0.0	0	0.35	0.0	0	1.00	0.0
Stomach	3	1.04	2.9	1	2.15	0.5	0	1.44	0.0	2	2.26	0.9	6	6.89	0.9
Colon	0	0.65	0.0	1	1.41	0.7	0	1.02	0.0	3	2.07	1.4	4	5.15	0.8
Rectum	0	0.67	0.0	0	1.43	0.0	0	1.01	0.0	4	1.89	2.1	4	5.00	0.8
Liver, biliary	0	0.14	0.0	0	0.32	0.0	0	0.24	0.0	2	0.54	3.7	2	1.23	1.6
Pancreas	0	0.27	0.0	0	0.61	0.0	1	0.46	2.2	1	1.01	1.0	2	2.35	0.9
Respiratory system	2	1.38	1.5	3	3.16	0.9	3	2.45	1.2	8	5.81	1.4	16	12.80	1.3
Nasal cavities, sinuses	0	0.02	0.0	0	0.05	0.0	0	0.04	0.0	0	0.07	0.0	0	0.18	0.0
Larynx	0	0.10	0.0	0	0.23	0.0	0	0.17	0.0	1	0.41	2.5	1	0.91	1.1
Trachea, bronchus, lung	2	1.19	1.7	3	2.74	1.1	3	2.13	1.4	7	5.11	1.4	15	11.17	1.3
Prostate gland	0	0.98	0.0	3	2.13	1.4	1	1.55	0.6	3	3.18	0.9	7	7.82	0.9
Testis	0	0.05	0.0	0	0.13	0.0	0	0.11	0.0	1	0.20	5.1	1	0.49	2.0
Kidney, renal pelvis, ureter	0	0.24	0.0	0	0.53	0.0	1	0.40	2.5	1	0.87	1.1	2	2.04	1.0
Bladder, other urinary	0	0.56	0.0	2	1.27	1.6	0	0.97	0.0	1	2.23	0.4	3	5.03	0.6
Melanoma of the skin	0	0.07	0.0	1	0.16	6.4	0	0.12	0.0	1	0.28	3.6	2	0.63	3.2
Eye	0	0.02	0.0	0	0.06	0.0	1	0.04	25.2	0	0.08	0.0	1	0.20	5.0
Brain, central nervous system	0	0.14	0.0	0	0.32	0.0	1	0.25	4.0	0	0.51	0.0	1	1.22	0.8
Thyroid gland	0	0.02	0.0	0	0.05	0.0	0	0.04	0.0	0	0.08	0.0	0	0.18	0.0
Bone	0	0.02	0.0	0	0.04	0.0	0	0.03	0.0	0	0.05	0.0	0	0.13	0.0
Connective tissue	0	0.04	0.0	0	0.07	0.0	0	0.05	0.0	0	0.08	0.0	0	0.24	0.0
Lymphatic, hematopoietic system	0	0.50	0.0	1	1.10	0.9	1	0.83	1.2	3	1.71	1.8	5	4.14	1.2
Non-Hodgkin's lymphoma	0	0.13	0.0	0	0.28	0.0	0	0.22	0.0	2	0.46	4.3	2	1.09	1.8
Hodgkin's disease	0	0.04	0.0	0	0.10	0.0	0	0.08	0.0	1	0.15	6.7	1	0.37	2.7
Multiple myeloma	0	0.09	0.0	0	0.19	0.0	0	0.14	0.0	0	0.31	0.0	0	0.73	0.0
Leukemias	0	0.24	0.0	1	0.52	1.9	1	0.38	2.6	0	0.77	0.0	2	1.90	1.1
Chronic lymphocytic	0	0.13	0.0	0	0.28	0.0	1	0.20	4.9	0	0.40	0.0	1	1.01	1.0
Acute nonlymphocytic	0	0.05	0.0	0	0.12	0.0	0	0.09	0.0	0	0.22	0.0	0	0.47	0.0

+ ICD-7 code = 197.

\* P<.05.

CONNECTIVE  
FEMALES

TABLE 6E. -- Observed (O) and expected (E) numbers of second primary cancers by years after diagnosis of an initial cancer of the connective tissue among females in Denmark, 1943-80+

Second primary cancer site	Yr after first primary cancer diagnosis														
	<1 yr			1-4 yr			5-9 yr			10+ yr			Total		
	No. starting interval	1,094		812			498			333			1,094		
Person-yr in interval	943		2,437			2,035			3,910			9,325			
	O	E	O/E	O	E	O/E	O	E	O/E	O	E	O/E	O	E	O/E
All second cancers	4	5.64	0.7	10	13.77	0.7	13	11.89	1.1	36	29.86	1.2	63	61.16	1.0
All excluding site of initial cancer	4	5.62	0.7	10	13.72	0.7	13	11.85	1.1	36	29.77	1.2	63	60.95	1.0
Buccal cavity, pharynx	0	0.08	0.0	0	0.18	0.0	0	0.15	0.0	1	0.38	2.6	1	0.79	1.3
Lip	0	0.01	0.0	0	0.03	0.0	0	0.02	0.0	1	0.06	16.9	1	0.12	8.5
Tongue	0	0.01	0.0	0	0.03	0.0	0	0.02	0.0	0	0.06	0.0	0	0.13	0.0
Salivary gland	0	0.02	0.0	0	0.05	0.0	0	0.04	0.0	0	0.08	0.0	0	0.19	0.0
Gum, other mouth	0	0.02	0.0	0	0.04	0.0	0	0.04	0.0	0	0.12	0.0	0	0.22	0.0
Pharynx	0	0.01	0.0	0	0.03	0.0	0	0.03	0.0	0	0.07	0.0	0	0.14	0.0
Digestive system	0	1.91	0.0	1	4.34	0.2	2	3.65	0.5	10	9.25	1.1	13	19.15	0.7
Esophagus	0	0.06	0.0	0	0.12	0.0	0	0.10	0.0	0	0.24	0.0	0	0.51	0.0
Stomach	0	0.55	0.0	1	1.15	0.9	1	0.92	1.1	1	1.85	0.5	3	4.47	0.7
Colon	0	0.56	0.0	0	1.32	0.0	1	1.14	0.9	6	3.17	1.9	7	6.19	1.1
Rectum	0	0.34	0.0	0	0.79	0.0	0	0.67	0.0	1	1.69	0.6	1	3.49	0.3
Liver, biliary	0	0.15	0.0	0	0.35	0.0	0	0.30	0.0	0	0.90	0.0	0	1.70	0.0
Pancreas	0	0.17	0.0	0	0.41	0.0	0	0.36	0.0	1	1.08	0.9	1	2.03	0.5
Respiratory system	0	0.25	0.0	4	0.64	6.2*	0	0.56	0.0	2	1.75	1.1	6	3.20	1.9
Nasal cavities, sinuses	0	0.01	0.0	0	0.02	0.0	0	0.02	0.0	0	0.04	0.0	0	0.09	0.0
Larynx	0	0.01	0.0	0	0.03	0.0	0	0.02	0.0	0	0.07	0.0	0	0.14	0.0
Trachea, bronchus, lung	0	0.21	0.0	3	0.54	5.6*	0	0.47	0.0	1	1.52	0.7	4	2.74	1.5
Female breast	0	1.19	0.0	2	3.01	0.7	7	2.60	2.7*	11	6.52	1.7	20	13.33	1.5
Female genital tract	1	1.16	0.9	0	3.04	0.0	2	2.69	0.7	6	6.09	1.0	9	12.97	0.7
Cervix uteri	0	0.44	0.0	0	1.19	0.0	0	1.06	0.0	1	2.05	0.5	1	4.74	0.2
Corpus uteri	1	0.30	3.3	0	0.78	0.0	1	0.71	1.4	2	1.77	1.1	4	3.55	1.1
Uterus, NOS	0	0.03	0.0	0	0.06	0.0	0	0.05	0.0	0	0.09	0.0	0	0.23	0.0
Ovary, fallopian tubes	0	0.32	0.0	0	0.84	0.0	1	0.74	1.4	1	1.83	0.5	2	3.73	0.5
Kidney, renal pelvis, ureter	3	0.13	22.4*	0	0.33	0.0	0	0.29	0.0	0	0.82	0.0	3	1.58	1.9
Bladder, other urinary	0	0.14	0.0	1	0.34	3.0	0	0.30	0.0	0	0.87	0.0	1	1.64	0.6
Melanoma of the skin	0	0.07	0.0	0	0.20	0.0	0	0.18	0.0	1	0.50	2.0	1	0.96	1.0
Eye	0	0.02	0.0	0	0.04	0.0	0	0.04	0.0	0	0.08	0.0	0	0.18	0.0
Brain, central nervous system	0	0.11	0.0	0	0.30	0.0	0	0.27	0.0	2	0.66	3.0	2	1.35	1.5
Thyroid gland	0	0.04	0.0	0	0.09	0.0	0	0.08	0.0	0	0.21	0.0	0	0.42	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	0.05	0.0	0	0.04	0.0	0	0.09	0.0	0	0.21	0.0
Lymphatic, hematopoietic system	0	0.28	0.0	1	0.70	1.4	2	0.61	3.3	3	1.65	1.8	6	3.23	1.9
Non-Hodgkin's lymphoma	0	0.08	0.0	1	0.20	5.1	1	0.17	5.8	2	0.50	4.0	4	0.95	4.2*
Hodgkin's disease	0	0.03	0.0	0	0.07	0.0	0	0.06	0.0	0	0.13	0.0	0	0.28	0.0
Multiple myeloma	0	0.05	0.0	0	0.13	0.0	1	0.11	8.8	1	0.33	3.0	2	0.63	3.2
Leukemias	0	0.12	0.0	0	0.29	0.0	0	0.25	0.0	0	0.67	0.0	0	1.34	0.0
Chronic lymphocytic	0	0.05	0.0	0	0.12	0.0	0	0.10	0.0	0	0.28	0.0	0	0.55	0.0
Acute nonlymphocytic	0	0.03	0.0	0	0.08	0.0	0	0.08	0.0	0	0.23	0.0	0	0.43	0.0

+ ICD-7 code = 197.

\* P<.05.