

SALIVARY GLAND  
BOTH SEXES

TABLE 3A. -- Characteristics of persons reported to the Connecticut Tumor Registry with an initial cancer of the salivary gland, 1935-82+

Category	Male	Female	Total
No. with first primary cancer*	444	411	855
No. who developed a second primary cancer	32	33	65
Average age at diagnosis of first cancer, yr	58	55	56
Average yr of diagnosis of first cancer	1964	1963	1964
Person-yr of follow-up	2,747	3,541	6,288
Average follow-up, yr	6.2	8.6	7.4
Percent given radiotherapy for first cancer	37.2	23.4	30.5

+ ICD-0 code = 142.

- 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 3B. -- Microscopic confirmation among persons who developed second primary cancers after an initial cancer of the salivary gland in Connecticut, 1935-82

Microscopically confirmed	No.	Percent+
Both first and second cancers	53	81.5
Only the first cancer	8	12.3
Only the second cancer	3	4.6
Neither first nor second cancer	1	1.5
Total second primary cancers	65	100.0

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

SALIVARY GLAND  
BOTH SEXES

TABLE 3C. -- Observed (O) and expected (E) numbers of second primary cancers by years after diagnosis of an initial cancer of the salivary gland 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	O	E	O/E	O	E	O/E	O	E	O/E	O	E	O/E
No. starting interval	855			682			406			234			855		
Person-yr in interval	626			2,017			1,576			2,069			6,288		
All second cancers	8	5.47	1.5	20	16.28	1.2	17	13.34	1.3	20	19.89	1.0	65	54.94	1.2
All excluding site of initial cancer	8	5.45	1.5	20	16.24	1.2	17	13.31	1.3	20	19.84	1.0	65	54.80	1.2
Buccal cavity, pharynx	0	0.22	0.0	1	0.61	1.7	2	0.47	4.3	2	0.63	3.2	5	1.92	2.6
Lip	0	0.04	0.0	0	0.10	0.0	1	0.07	14.3	2	0.08	24.2*	3	0.28	10.5*
Tongue	0	0.04	0.0	1	0.12	8.4	0	0.09	0.0	0	0.12	0.0	1	0.38	2.6
Salivary gland	0	0.02	0.0	0	0.04	0.0	0	0.03	0.0	0	0.05	0.0	0	0.14	0.0
Gum, other mouth	0	0.06	0.0	0	0.18	0.0	0	0.14	0.0	0	0.20	0.0	0	0.57	0.0
Pharynx	0	0.05	0.0	0	0.15	0.0	1	0.11	8.7	0	0.15	0.0	1	0.47	2.1
Digestive system	2	1.74	1.1	5	5.05	1.0	5	4.10	1.2	7	6.08	1.2	19	16.97	1.1
Esophagus	0	0.09	0.0	0	0.25	0.0	0	0.19	0.0	0	0.25	0.0	0	0.78	0.0
Stomach	0	0.31	0.0	1	0.85	1.2	1	0.64	1.6	1	0.84	1.2	3	2.63	1.1
Colon	2	0.69	2.9	2	2.05	1.0	1	1.72	0.6	3	2.70	1.1	8	7.16	1.1
Rectum	0	0.35	0.0	1	1.01	1.0	3	0.83	3.6	0	1.20	0.0	4	3.38	1.2
Liver, biliary	0	0.10	0.0	0	0.29	0.0	0	0.24	0.0	1	0.36	2.8	1	0.99	1.0
Pancreas	0	0.17	0.0	0	0.51	0.0	0	0.41	0.0	2	0.63	3.2	2	1.72	1.2
Respiratory system	1	0.76	1.3	5	2.21	2.3	3	1.76	1.7	7	2.45	2.9*	16	7.18	2.2*
Nasal cavities, sinuses	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
Larynx	0	0.08	0.0	1	0.24	4.2	0	0.19	0.0	1	0.23	4.3	2	0.74	2.7
Trachea, bronchus, lung	1	0.66	1.5	4	1.92	2.1	3	1.53	2.0	6	2.16	2.8*	14	6.27	2.2*
Female breast	2	0.55	3.7	3	1.89	1.6	1	1.67	0.6	2	3.00	0.7	8	7.10	1.1
Female genital tract	1	0.36	2.8	2	1.23	1.6	1	1.04	1.0	1	1.71	0.6	5	4.34	1.2
Cervix uteri	0	0.08	0.0	0	0.27	0.0	0	0.22	0.0	0	0.29	0.0	0	0.87	0.0
Corpus uteri	0	0.13	0.0	1	0.47	2.1	0	0.41	0.0	0	0.74	0.0	1	1.75	0.6
Uterus, NOS	0	0.03	0.0	0	0.09	0.0	0	0.07	0.0	0	0.08	0.0	0	0.27	0.0
Ovary, fallopian tubes	1	0.10	10.4	1	0.33	3.0	1	0.29	3.5	1	0.48	2.1	4	1.20	3.3
Prostate gland	1	0.61	1.6	1	1.65	0.6	3	1.30	2.3	0	1.55	0.0	5	5.11	1.0
Testis	0	0.01	0.0	0	0.03	0.0	0	0.02	0.0	0	0.02	0.0	0	0.08	0.0
Kidney, renal pelvis, ureter	0	0.11	0.0	0	0.34	0.0	0	0.27	0.0	0	0.40	0.0	0	1.12	0.0
Bladder, other urinary	1	0.30	3.4	1	0.84	1.2	0	0.68	0.0	0	0.97	0.0	2	2.78	0.7
Melanoma of the skin	0	0.06	0.0	0	0.20	0.0	0	0.17	0.0	0	0.27	0.0	0	0.71	0.0
Eye	0	0.01	0.0	0	0.03	0.0	0	0.02	0.0	0	0.03	0.0	0	0.09	0.0
Brain, central nervous system	0	0.06	0.0	0	0.18	0.0	0	0.15	0.0	0	0.21	0.0	0	0.59	0.0
Thyroid gland	0	0.03	0.0	0	0.09	0.0	0	0.08	0.0	0	0.11	0.0	0	0.30	0.0
Bone	0	0.01	0.0	0	0.03	0.0	0	0.02	0.0	0	0.02	0.0	0	0.08	0.0
Connective tissue	0	0.03	0.0	0	0.08	0.0	0	0.07	0.0	0	0.09	0.0	0	0.26	0.0
Lymphatic, hematopoietic system	0	0.35	0.0	0	1.06	0.0	2	0.89	2.3	0	1.38	0.0	2	3.68	0.5
Non-Hodgkin's lymphoma	0	0.12	0.0	0	0.37	0.0	1	0.31	3.3	0	0.49	0.0	1	1.28	0.8
Hodgkin's disease	0	0.03	0.0	0	0.09	0.0	0	0.07	0.0	0	0.10	0.0	0	0.30	0.0
Multiple myeloma	0	0.05	0.0	0	0.16	0.0	0	0.14	0.0	0	0.23	0.0	0	0.59	0.0
Leukemias	0	0.15	0.0	0	0.44	0.0	1	0.37	2.7	0	0.56	0.0	1	1.52	0.7
Chronic lymphocytic	0	0.04	0.0	0	0.13	0.0	0	0.11	0.0	0	0.17	0.0	0	0.46	0.0
Acute nonlymphocytic	0	0.04	0.0	0	0.13	0.0	1	0.12	8.7	0	0.18	0.0	1	0.48	2.1

+ ICD-O code = 142.

\* P<.05.

SALIVARY GLAND  
MALES

TABLE 3D. -- Observed (O) and expected (E) numbers of second primary cancers by years after diagnosis of an initial cancer of the salivary gland 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
No. starting interval	444			342			181			101			444		
Person-yr in interval	322			940			698			787			2,747		
	O	E	O/E	O	E	O/E	O	E	O/E	O	E	O/E	O	E	O/E
All second cancers	2	3.38	0.6	11	9.17	1.2	9	7.08	1.3	10	8.40	1.2	32	28.02	1.1
All excluding site of initial cancer	2	3.37	0.6	11	9.14	1.2	9	7.06	1.3	10	8.38	1.2	32	27.94	1.1
Buccal cavity, pharynx	0	0.18	0.0	1	0.48	2.1	1	0.36	2.8	2	0.43	4.7	4	1.45	2.8
Lip	0	0.03	0.0	0	0.09	0.0	1	0.06	15.8	2	0.07	28.3*	3	0.26	11.7*
Tongue	0	0.04	0.0	1	0.10	10.5	0	0.07	0.0	0	0.08	0.0	1	0.28	3.5
Salivary gland	0	0.01	0.0	0	0.03	0.0	0	0.02	0.0	0	0.02	0.0	0	0.08	0.0
Gum, other mouth	0	0.05	0.0	0	0.13	0.0	0	0.10	0.0	0	0.13	0.0	0	0.41	0.0
Pharynx	0	0.04	0.0	0	0.12	0.0	0	0.09	0.0	0	0.11	0.0	0	0.36	0.0
Digestive system	0	1.10	0.0	3	2.96	1.0	2	2.25	0.9	3	2.56	1.2	8	8.86	0.9
Esophagus	0	0.08	0.0	0	0.20	0.0	0	0.15	0.0	0	0.17	0.0	0	0.59	0.0
Stomach	0	0.22	0.0	1	0.57	1.8	0	0.40	0.0	1	0.44	2.3	2	1.63	1.2
Colon	0	0.40	0.0	1	1.08	0.9	0	0.84	0.0	1	0.98	1.0	2	3.29	0.6
Rectum	0	0.23	0.0	0	0.61	0.0	2	0.47	4.3	0	0.53	0.0	2	1.84	1.1
Liver, biliary	0	0.06	0.0	0	0.15	0.0	0	0.12	0.0	0	0.13	0.0	0	0.45	0.0
Pancreas	0	0.11	0.0	0	0.30	0.0	0	0.23	0.0	1	0.26	3.8	1	0.90	1.1
Respiratory system	1	0.65	1.5	5	1.79	2.8	3	1.39	2.2	5	1.70	2.9	14	5.53	2.5*
Nasal cavities, sinuses	0	0.01	0.0	0	0.02	0.0	0	0.02	0.0	0	0.02	0.0	0	0.06	0.0
Larynx	0	0.08	0.0	1	0.21	4.7	0	0.16	0.0	1	0.19	5.2	2	0.64	3.1
Trachea, bronchus, lung	1	0.56	1.8	4	1.54	2.6	3	1.20	2.5	4	1.48	2.7	12	4.78	2.5*
Prostate gland	1	0.61	1.6	1	1.65	0.6	3	1.30	2.3	0	1.55	0.0	5	5.11	1.0
Testis	0	0.01	0.0	0	0.03	0.0	0	0.02	0.0	0	0.02	0.0	0	0.08	0.0
Kidney, renal pelvis, ureter	0	0.08	0.0	0	0.23	0.0	0	0.18	0.0	0	0.21	0.0	0	0.71	0.0
Bladder, other urinary	0	0.24	0.0	0	0.65	0.0	0	0.51	0.0	0	0.63	0.0	0	2.03	0.0
Melanoma of the skin	0	0.04	0.0	0	0.11	0.0	0	0.09	0.0	0	0.12	0.0	0	0.36	0.0
Eye	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
Brain, central nervous system	0	0.04	0.0	0	0.10	0.0	0	0.08	0.0	0	0.10	0.0	0	0.32	0.0
Thyroid gland	0	0.01	0.0	0	0.03	0.0	0	0.02	0.0	0	0.03	0.0	0	0.09	0.0
Bone	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
Connective tissue	0	0.02	0.0	0	0.05	0.0	0	0.04	0.0	0	0.04	0.0	0	0.15	0.0
Lymphatic, hematopoietic system	0	0.22	0.0	0	0.61	0.0	0	0.48	0.0	0	0.58	0.0	0	1.89	0.0
Non-Hodgkin's lymphoma	0	0.07	0.0	0	0.20	0.0	0	0.15	0.0	0	0.20	0.0	0	0.62	0.0
Hodgkin's disease	0	0.02	0.0	0	0.05	0.0	0	0.04	0.0	0	0.04	0.0	0	0.16	0.0
Multiple myeloma	0	0.03	0.0	0	0.09	0.0	0	0.07	0.0	0	0.09	0.0	0	0.27	0.0
Leukemias	0	0.10	0.0	0	0.27	0.0	0	0.22	0.0	0	0.25	0.0	0	0.84	0.0
Chronic lymphocytic	0	0.03	0.0	0	0.08	0.0	0	0.07	0.0	0	0.08	0.0	0	0.27	0.0
Acute nonlymphocytic	0	0.03	0.0	0	0.08	0.0	0	0.06	0.0	0	0.07	0.0	0	0.24	0.0

+ ICD-O code = 142.

\* P<.05.

SALIVARY GLAND  
FEMALES

TABLE 3E. -- Observed (O) and expected (E) numbers of second primary cancers by years after diagnosis of an initial cancer of the salivary gland 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		
	O	E	O/E	O	E	O/E	O	E	O/E	O	E	O/E	O	E	O/E
No. starting interval	411			340			225			133			411		
Person-yr in interval	304			1,077			878			1,282			3,541		
All second cancers	6	2.09	2.9*	9	7.10	1.3	8	6.25	1.3	10	11.49	0.9	33	26.92	1.2
All excluding site of initial cancer	6	2.08	2.9*	9	7.08	1.3	8	6.24	1.3	10	11.47	0.9	33	26.86	1.2
Buccal cavity, pharynx	0	0.04	0.0	0	0.12	0.0	1	0.11	9.1	0	0.20	0.0	1	0.47	2.1
Lip	0	0.00	0.0	0	0.01	0.0	0	0.01	0.0	0	0.01	0.0	0	0.03	0.0
Tongue	0	0.01	0.0	0	0.02	0.0	0	0.02	0.0	0	0.04	0.0	0	0.10	0.0
Salivary gland	0	0.01	0.0	0	0.02	0.0	0	0.01	0.0	0	0.02	0.0	0	0.06	0.0
Gum, other mouth	0	0.01	0.0	0	0.04	0.0	0	0.04	0.0	0	0.07	0.0	0	0.16	0.0
Pharynx	0	0.01	0.0	0	0.03	0.0	1	0.02	40.3	0	0.04	0.0	1	0.10	9.7
Digestive system	2	0.64	3.1	2	2.10	1.0	3	1.85	1.6	4	3.52	1.1	11	8.10	1.4
Esophagus	0	0.01	0.0	0	0.05	0.0	0	0.04	0.0	0	0.08	0.0	0	0.18	0.0
Stomach	0	0.09	0.0	0	0.28	0.0	1	0.23	4.3	0	0.39	0.0	1	1.00	1.0
Colon	2	0.29	6.8	1	0.97	1.0	1	0.87	1.1	2	1.73	1.2	6	3.86	1.6
Rectum	0	0.12	0.0	1	0.40	2.5	1	0.36	2.8	0	0.67	0.0	2	1.54	1.3
Liver, biliary	0	0.04	0.0	0	0.14	0.0	0	0.12	0.0	1	0.23	4.4	1	0.54	1.9
Pancreas	0	0.06	0.0	0	0.21	0.0	0	0.18	0.0	1	0.37	2.7	1	0.82	1.2
Respiratory system	0	0.12	0.0	0	0.42	0.0	0	0.37	0.0	2	0.75	2.7	2	1.65	1.2
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	0.01	0.0	0	0.02	0.0	0	0.02	0.0	0	0.04	0.0	0	0.10	0.0
Trachea, bronchus, lung	0	0.10	0.0	0	0.37	0.0	0	0.33	0.0	2	0.68	2.9	2	1.50	1.3
Female breast	2	0.55	3.7	3	1.89	1.6	1	1.67	0.6	2	3.00	0.7	8	7.10	1.1
Female genital tract	1	0.36	2.8	2	1.23	1.6	1	1.04	1.0	1	1.71	0.6	5	4.34	1.2
Cervix uteri	0	0.08	0.0	0	0.27	0.0	0	0.22	0.0	0	0.29	0.0	0	0.87	0.0
Corpus uteri	0	0.13	0.0	1	0.47	2.1	0	0.41	0.0	0	0.74	0.0	1	1.75	0.6
Uterus, NOS	0	0.03	0.0	0	0.09	0.0	0	0.07	0.0	0	0.08	0.0	0	0.27	0.0
Ovary, fallopian tubes	1	0.10	10.4	1	0.33	3.0	1	0.29	3.5	1	0.48	2.1	4	1.20	3.3
Kidney, renal pelvis, ureter	0	0.03	0.0	0	0.11	0.0	0	0.10	0.0	0	0.18	0.0	0	0.42	0.0
Bladder, other urinary	1	0.06	18.2	1	0.19	5.4	0	0.17	0.0	0	0.34	0.0	2	0.75	2.7
Melanoma of the skin	0	0.03	0.0	0	0.09	0.0	0	0.08	0.0	0	0.15	0.0	0	0.35	0.0
Eye	0	0.00	0.0	0	0.01	0.0	0	0.01	0.0	0	0.02	0.0	0	0.05	0.0
Brain, central nervous system	0	0.02	0.0	0	0.07	0.0	0	0.07	0.0	0	0.11	0.0	0	0.27	0.0
Thyroid gland	0	0.02	0.0	0	0.06	0.0	0	0.05	0.0	0	0.09	0.0	0	0.22	0.0
Bone	0	0.00	0.0	0	0.01	0.0	0	0.01	0.0	0	0.01	0.0	0	0.04	0.0
Connective tissue	0	0.01	0.0	0	0.03	0.0	0	0.03	0.0	0	0.05	0.0	0	0.11	0.0
Lymphatic, hematopoietic system	0	0.13	0.0	0	0.45	0.0	2	0.41	4.9	0	0.80	0.0	2	1.79	1.1
Non-Hodgkin's lymphoma	0	0.05	0.0	0	0.17	0.0	1	0.15	6.6	0	0.30	0.0	1	0.66	1.5
Hodgkin's disease	0	0.01	0.0	0	0.04	0.0	0	0.03	0.0	0	0.05	0.0	0	0.14	0.0
Multiple myeloma	0	0.02	0.0	0	0.07	0.0	0	0.07	0.0	0	0.15	0.0	0	0.31	0.0
Leukemias	0	0.05	0.0	0	0.17	0.0	1	0.15	6.5	0	0.30	0.0	1	0.68	1.5
Chronic lymphocytic	0	0.01	0.0	0	0.05	0.0	0	0.04	0.0	0	0.09	0.0	0	0.19	0.0
Acute nonlymphocytic	0	0.02	0.0	0	0.06	0.0	1	0.05	19.1	0	0.11	0.0	1	0.23	4.3

+ ICD-O code = 142.

\* P<.05.