

STOMACH
BOTH SEXES

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

Category	Male	Female	Total
No. with first primary cancer*	6,478	3,770	10,248
No. who developed a second primary cancer	175	76	251
Average age at diagnosis of first cancer, yr	64	66	65
Average yr of diagnosis of first cancer	1961	1961	1961
Person-yr of follow-up	11,251	7,520	18,771
Average follow-up, yr	1.7	2.0	1.8
Percent given radiotherapy for first cancer	6.8	4.7	6.0

+ ICD-0 code = 151.

* 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 stomach in Connecticut, 1935-82

Microscopically confirmed	No.	Percent+
Both first and second cancers	211	84.1
Only the first cancer	26	10.4
Only the second cancer	11	4.4
Neither first nor second cancer	3	1.2
Total second primary cancers	251	100.0

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

STOMACH
BOTH SEXES

TABLE 2C. -- Observed (O) and expected (E) numbers of second primary cancers by years after diagnosis of an initial cancer of the stomach 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	
No. starting interval	10,248			3,958			969			495			10,248		
Person-yr in interval	4,903			7,032			3,387			3,448			18,771		
	O	E	O/E	O	E	O/E	O	E	O/E	O	E	O/E	O	E	O/E
All second cancers	54	59.84	0.9	86	87.75	1.0	43	48.85	0.9	68	61.46	1.1	251	257.71	1.0
All excluding site of initial cancer	54	56.05	1.0	84	82.48	1.0	43	45.99	0.9	68	58.12	1.2	249	242.46	1.0
Buccal cavity, pharynx	2	2.50	0.8	3	3.54	0.8	1	1.86	0.5	1	2.12	0.5	7	10.01	0.7
Lip	1	0.48	2.1	0	0.66	0.0	0	0.36	0.0	1	0.39	2.5	2	1.88	1.1
Tongue	0	0.50	0.0	1	0.70	1.4	0	0.36	0.0	0	0.41	0.0	1	1.97	0.5
Salivary gland	0	0.15	0.0	0	0.22	0.0	0	0.12	0.0	0	0.15	0.0	0	0.64	0.0
Gum, other mouth	0	0.70	0.0	1	1.00	1.0	0	0.52	0.0	0	0.60	0.0	1	2.82	0.4
Pharynx	1	0.58	1.7	1	0.84	1.2	1	0.43	2.3	0	0.48	0.0	3	2.33	1.3
Digestive system	13	20.21	0.6	26	29.42	0.9	13	16.46	0.8	15	20.63	0.7	67	86.66	0.8*
Esophagus	1	1.08	0.9	1	1.54	0.6	2	0.82	2.4	1	0.92	1.1	5	4.36	1.1
Stomach	0	3.79	0.0*	2	5.27	0.4	0	2.86	0.0	0	3.34	0.0	2	15.25	0.1*
Colon	5	7.83	0.6	12	11.65	1.0	6	6.67	0.9	9	8.79	1.0	32	34.91	0.9
Rectum	0	3.99	0.0*	5	5.82	0.9	1	3.22	0.3	4	3.93	1.0	10	16.94	0.6
Liver, biliary	2	1.16	1.7	2	1.69	1.2	2	0.94	2.1	1	1.20	0.8	7	4.99	1.4
Pancreas	3	1.99	1.5	4	2.93	1.4	2	1.66	1.2	0	2.11	0.0	9	8.68	1.0
Respiratory system	3	8.74	0.3	15	12.84	1.2	5	6.95	0.7	15	8.44	1.8	38	36.93	1.0
Nasal cavities, sinuses	0	0.12	0.0	0	0.18	0.0	1	0.10	10.2	0	0.12	0.0	1	0.52	1.9
Larynx	0	0.97	0.0	2	1.40	1.4	0	0.72	0.0	1	0.79	1.3	3	3.87	0.8
Trachea, bronchus, lung	3	7.56	0.4	13	11.14	1.2	4	6.07	0.7	14	7.46	1.9*	34	32.21	1.1
Female breast	6	4.46	1.3	8	7.14	1.1	2	3.82	0.5	9	4.58	2.0	25	19.99	1.3
Female genital tract	3	2.90	1.0	0	4.48	0.0*	3	2.30	1.3	2	2.46	0.8	8	12.12	0.7
Cervix uteri	0	0.59	0.0	0	0.85	0.0	0	0.41	0.0	0	0.38	0.0	0	2.22	0.0
Corpus uteri	0	1.05	0.0	0	1.72	0.0	1	0.90	1.1	1	1.00	1.0	2	4.67	0.4
Uterus, NOS	0	0.29	0.0	0	0.39	0.0	1	0.19	5.3	0	0.17	0.0	1	1.05	1.0
Ovary, fallopian tubes	2	0.77	2.6	0	1.21	0.0	1	0.63	1.6	1	0.69	1.5	4	3.30	1.2
Prostate gland	13	7.52	1.7	10	10.48	1.0	3	6.40	0.5	12	9.10	1.3	38	33.47	1.1
Testis	0	0.06	0.0	1	0.09	11.4	0	0.04	0.0	0	0.04	0.0	1	0.23	4.4
Kidney, renal pelvis, ureter	6	1.28	4.7*	5	1.88	2.7	0	1.03	0.0	1	1.24	0.8	12	5.43	2.2*
Bladder, other urinary	4	3.46	1.2	7	5.00	1.4	8	2.86	2.8*	4	3.84	1.0	23	15.15	1.5
Melanoma of the skin	0	0.56	0.0	0	0.83	0.0	0	0.43	0.0	1	0.54	1.9	1	2.36	0.4
Eye	1	0.09	10.7	0	0.14	0.0	0	0.07	0.0	0	0.08	0.0	1	0.39	2.6
Brain, central nervous system	0	0.54	0.0	1	0.82	1.2	0	0.41	0.0	0	0.42	0.0	1	2.18	0.5
Thyroid gland	0	0.23	0.0	0	0.34	0.0	0	0.18	0.0	0	0.20	0.0	0	0.95	0.0
Bone	0	0.10	0.0	0	0.13	0.0	0	0.07	0.0	0	0.07	0.0	0	0.36	0.0
Connective tissue	0	0.28	0.0	2	0.41	4.9	1	0.23	4.4	0	0.29	0.0	3	1.21	2.5
Lymphatic, hematopoietic system	2	3.85	0.5	6	5.72	1.0	5	3.21	1.6	6	4.20	1.4	19	16.97	1.1
Non-Hodgkin's lymphoma	0	1.26	0.0	2	1.90	1.1	1	1.03	1.0	1	1.31	0.8	4	5.50	0.7
Hodgkin's disease	0	0.27	0.0	0	0.39	0.0	0	0.20	0.0	1	0.22	4.6	1	1.09	0.9
Multiple myeloma	0	0.59	0.0	0	0.90	0.0	2	0.52	3.9	1	0.70	1.4	3	2.70	1.1
Leukemias	2	1.72	1.2	4	2.53	1.6	2	1.45	1.4	3	1.98	1.5	11	7.67	1.4
Chronic lymphocytic	0	0.53	0.0	2	0.77	2.6	1	0.45	2.2	0	0.65	0.0	3	2.40	1.3
Acute nonlymphocytic	2	0.48	4.1	1	0.73	1.4	0	0.42	0.0	3	0.61	5.0	6	2.23	2.7

+ ICD-O code = 151.

* P<.05.

STOMACH
MALES

TABLE 2D. -- Observed (O) and expected (E) numbers of second primary cancers by years after diagnosis of an initial cancer of the stomach 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	6,478			2,447			579			285			6,478		
Person-yr in interval	3,070			4,224			1,982			1,975			11,251		
All second cancers	39	41.36	0.9	61	58.11	1.0	33	32.71	1.0	42	41.60	1.0	175	173.66	1.0
All excluding site of initial cancer	39	38.53	1.0	59	54.28	1.1	33	30.64	1.1	42	39.19	1.1	173	162.52	1.1
Buccal cavity, pharynx	2	2.20	0.9	3	3.06	1.0	1	1.60	0.6	1	1.80	0.6	7	8.65	0.8
Lip	1	0.45	2.2	0	0.62	0.0	0	0.34	0.0	1	0.37	2.7	2	1.78	1.1
Tongue	0	0.44	0.0	1	0.61	1.7	0	0.31	0.0	0	0.34	0.0	1	1.70	0.6
Salivary gland	0	0.11	0.0	0	0.15	0.0	0	0.08	0.0	0	0.11	0.0	0	0.45	0.0
Gum, other mouth	0	0.60	0.0	1	0.83	1.2	0	0.43	0.0	0	0.48	0.0	1	2.33	0.4
Pharynx	1	0.52	1.9	1	0.74	1.4	1	0.38	2.6	0	0.43	0.0	3	2.06	1.5
Digestive system	8	13.86	0.6	18	19.30	0.9	12	10.79	1.1	8	13.38	0.6	46	57.29	0.8
Esophagus	0	0.95	0.0	1	1.33	0.8	2	0.71	2.8	1	0.77	1.3	4	3.76	1.1
Stomach	0	2.83	0.0	2	3.83	0.5	0	2.07	0.0	0	2.41	0.0	2	11.14	0.2*
Colon	2	4.93	0.4	7	6.93	1.0	6	4.00	1.5	4	5.28	0.8	19	21.12	0.9
Rectum	0	2.84	0.0	4	3.98	1.0	0	2.20	0.0	3	2.65	1.1	7	11.66	0.6
Liver, biliary	1	0.70	1.4	2	0.96	2.1	2	0.54	3.7	0	0.70	0.0	5	2.90	1.7
Pancreas	3	1.37	2.2	2	1.93	1.0	2	1.09	1.8	0	1.36	0.0	7	5.75	1.2
Respiratory system	3	7.82	0.4	14	11.24	1.2	5	6.11	0.8	13	7.38	1.8	35	32.53	1.1
Nasal cavities, sinuses	0	0.09	0.0	0	0.13	0.0	1	0.07	14.2	0	0.09	0.0	1	0.38	2.6
Larynx	0	0.92	0.0	2	1.31	1.5	0	0.68	0.0	1	0.74	1.4	3	3.64	0.8
Trachea, bronchus, lung	3	6.74	0.4	12	9.70	1.2	4	5.31	0.8	12	6.49	1.8	31	28.23	1.1
Prostate gland	13	7.52	1.7	10	10.48	1.0	3	6.40	0.5	12	9.10	1.3	38	33.47	1.1
Testis	0	0.06	0.0	1	0.09	11.4	0	0.04	0.0	0	0.04	0.0	1	0.23	4.4
Kidney, renal pelvis, ureter	6	0.99	6.0*	5	1.41	3.5*	0	0.77	0.0	0	0.93	0.0	11	4.11	2.7*
Bladder, other urinary	4	2.91	1.4	6	4.10	1.5	8	2.34	3.4*	3	3.14	1.0	21	12.48	1.7*
Melanoma of the skin	0	0.39	0.0	0	0.54	0.0	0	0.28	0.0	1	0.35	2.9	1	1.56	0.6
Eye	1	0.06	16.3	0	0.09	0.0	0	0.05	0.0	0	0.05	0.0	1	0.24	4.1
Brain, central nervous system	0	0.39	0.0	0	0.57	0.0	0	0.28	0.0	0	0.28	0.0	0	1.52	0.0
Thyroid gland	0	0.10	0.0	0	0.15	0.0	0	0.08	0.0	0	0.08	0.0	0	0.41	0.0
Bone	0	0.07	0.0	0	0.09	0.0	0	0.04	0.0	0	0.04	0.0	0	0.24	0.0
Connective tissue	0	0.20	0.0	2	0.29	7.0	1	0.16	6.3	0	0.20	0.0	3	0.85	3.5
Lymphatic, hematopoietic system	1	2.67	0.4	2	3.76	0.5	1	2.11	0.5	2	2.75	0.7	6	11.28	0.5
Non-Hodgkin's lymphoma	0	0.84	0.0	0	1.19	0.0	0	0.65	0.0	0	0.81	0.0	0	3.49	0.0
Hodgkin's disease	0	0.19	0.0	0	0.27	0.0	0	0.14	0.0	1	0.15	6.8	1	0.75	1.3
Multiple myeloma	0	0.39	0.0	0	0.56	0.0	0	0.32	0.0	0	0.43	0.0	0	1.70	0.0
Leukemias	1	1.24	0.8	2	1.75	1.1	1	1.01	1.0	1	1.36	0.7	5	5.35	0.9
Chronic lymphocytic	0	0.39	0.0	2	0.55	3.6	0	0.32	0.0	0	0.46	0.0	2	1.73	1.2
Acute nonlymphocytic	1	0.34	3.0	0	0.48	0.0	0	0.28	0.0	1	0.40	2.5	2	1.50	1.3

+ ICD-O code = 151.

* P<.05.

STOMACH
FEMALES

TABLE 2E. -- Observed (O) and expected (E) numbers of second primary cancers by years after diagnosis of an initial cancer of the stomach 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	
	O	E	O/E	O	E	O/E	O	E	O/E	O	E	O/E	O	E	
No. starting interval	3,770			1,511			390			210			3,770		
Person-yr in interval	1,834			2,808			1,405			1,473			7,520		
All second cancers	15	18.47	0.8	25	29.64	0.8	10	16.14	0.6	26	19.86	1.3	76	84.05	0.9
All excluding site of initial cancer	15	17.51	0.9	25	28.21	0.9	10	15.35	0.7	26	18.93	1.4	76	79.94	1.0
Buccal cavity, pharynx	0	0.30	0.0	0	0.49	0.0	0	0.26	0.0	0	0.32	0.0	0	1.36	0.0
Lip	0	0.02	0.0	0	0.04	0.0	0	0.02	0.0	0	0.02	0.0	0	0.10	0.0
Tongue	0	0.06	0.0	0	0.10	0.0	0	0.05	0.0	0	0.06	0.0	0	0.27	0.0
Salivary gland	0	0.04	0.0	0	0.07	0.0	0	0.04	0.0	0	0.05	0.0	0	0.19	0.0
Gum, other mouth	0	0.10	0.0	0	0.17	0.0	0	0.09	0.0	0	0.12	0.0	0	0.49	0.0
Pharynx	0	0.06	0.0	0	0.10	0.0	0	0.05	0.0	0	0.06	0.0	0	0.27	0.0
Digestive system	5	6.35	0.8	8	10.13	0.8	1	5.67	0.2*	7	7.25	1.0	21	29.37	0.7
Esophagus	1	0.13	7.6	0	0.21	0.0	0	0.12	0.0	0	0.15	0.0	1	0.60	1.7
Stomach	0	0.96	0.0	0	1.43	0.0	0	0.79	0.0	0	0.93	0.0	0	4.11	0.0*
Colon	3	2.90	1.0	5	4.72	1.1	0	2.67	0.0	5	3.51	1.4	13	13.79	0.9
Rectum	0	1.15	0.0	1	1.84	0.5	1	1.01	1.0	1	1.28	0.8	3	5.28	0.6
Liver, biliary	1	0.46	2.2	0	0.72	0.0	0	0.40	0.0	1	0.50	2.0	2	2.09	1.0
Pancreas	0	0.62	0.0	2	1.00	2.0	0	0.57	0.0	0	0.75	0.0	2	2.93	0.7
Respiratory system	0	0.92	0.0	1	1.59	0.6	0	0.84	0.0	2	1.06	1.9	3	4.41	0.7
Nasal cavities, sinuses	0	0.03	0.0	0	0.05	0.0	0	0.03	0.0	0	0.03	0.0	0	0.14	0.0
Larynx	0	0.05	0.0	0	0.09	0.0	0	0.04	0.0	0	0.05	0.0	0	0.23	0.0
Trachea, bronchus, lung	0	0.83	0.0	1	1.44	0.7	0	0.76	0.0	2	0.97	2.1	3	3.98	0.8
Female breast	6	4.46	1.3	8	7.14	1.1	2	3.82	0.5	9	4.58	2.0	25	19.99	1.3
Female genital tract	3	2.90	1.0	0	4.48	0.0*	3	2.30	1.3	2	2.46	0.8	8	12.12	0.7
Cervix uteri	0	0.59	0.0	0	0.85	0.0	0	0.41	0.0	0	0.38	0.0	0	2.22	0.0
Corpus uteri	0	1.05	0.0	0	1.72	0.0	1	0.90	1.1	1	1.00	1.0	2	4.67	0.4
Uterus, NOS	0	0.29	0.0	0	0.39	0.0	1	0.19	5.3	0	0.17	0.0	1	1.05	1.0
Ovary, fallopian tubes	2	0.77	2.6	0	1.21	0.0	1	0.63	1.6	1	0.69	1.5	4	3.30	1.2
Kidney, renal pelvis, ureter	0	0.29	0.0	0	0.47	0.0	0	0.26	0.0	1	0.31	3.2	1	1.32	0.8
Bladder, other urinary	0	0.55	0.0	1	0.90	1.1	0	0.52	0.0	1	0.70	1.4	2	2.67	0.7
Melanoma of the skin	0	0.17	0.0	0	0.29	0.0	0	0.15	0.0	0	0.19	0.0	0	0.80	0.0
Eye	0	0.03	0.0	0	0.05	0.0	0	0.03	0.0	0	0.03	0.0	0	0.15	0.0
Brain, central nervous system	0	0.15	0.0	1	0.25	4.0	0	0.13	0.0	0	0.13	0.0	1	0.66	1.5
Thyroid gland	0	0.12	0.0	0	0.19	0.0	0	0.10	0.0	0	0.12	0.0	0	0.54	0.0
Bone	0	0.03	0.0	0	0.04	0.0	0	0.02	0.0	0	0.02	0.0	0	0.12	0.0
Connective tissue	0	0.08	0.0	0	0.13	0.0	0	0.07	0.0	0	0.08	0.0	0	0.35	0.0
Lymphatic, hematopoietic system	1	1.18	0.8	4	1.96	2.0	4	1.09	3.7	4	1.46	2.7	13	5.68	2.3*
Non-Hodgkin's lymphoma	0	0.42	0.0	2	0.71	2.8	1	0.39	2.6	1	0.50	2.0	4	2.02	2.0
Hodgkin's disease	0	0.08	0.0	0	0.12	0.0	0	0.07	0.0	0	0.07	0.0	0	0.34	0.0
Multiple myeloma	0	0.20	0.0	0	0.34	0.0	2	0.19	10.5*	1	0.27	3.7	3	0.99	3.0
Leukemias	1	0.48	2.1	2	0.78	2.6	1	0.44	2.3	2	0.61	3.3	6	2.31	2.6
Chronic lymphocytic	0	0.13	0.0	0	0.22	0.0	1	0.13	7.7	0	0.19	0.0	1	0.67	1.5
Acute nonlymphocytic	1	0.15	6.9	1	0.24	4.1	0	0.14	0.0	2	0.20	9.9*	4	0.73	5.5*

+ ICD-O code = 151.

* P<.05.