

COLON

BOTH SEXES

TABLE 4A. -- Characteristics of persons reported to the Connecticut Tumor Registry with an initial cancer of the colon, 1935-82+

Category	Male	Female	Total
No. with first primary cancer*	12,324	14,480	26,804
No. who developed a second primary cancer	1,190	1,078	2,268
Average age at diagnosis of first cancer, yr	66	66	66
Average yr of diagnosis of first cancer	1966	1965	1966
Person-yr of follow-up	50,832	70,476	121,309
Average follow-up, yr	4.1	4.9	4.5
Percent given radiotherapy for first cancer	2.4	2.3	2.3

+ ICD-O codes = 153, 159.0.

* 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 4B. -- Microscopic confirmation among persons who developed second primary cancers after an initial cancer of the colon in Connecticut, 1935-82

Microscopically confirmed	No.	Percent+
Both first and second cancers	2,028	89.4
Only the first cancer	190	8.4
Only the second cancer	39	1.7
Neither first nor second cancer	11	0.5
Total second primary cancers	2,268	100.0

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

COLON
BOTH SEXES

TABLE 4C. -- Observed (O) and expected (E) numbers of second primary cancers by years after diagnosis of an initial cancer of the colon 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
No. starting interval	26,804			18,813			8,071			3,984			26,804		
Person-yr in interval	18,167			47,697			28,621			26,825			121,309		
	O	E	O/E	O	E	O/E	O	E	O/E	O	E	O/E	O	E	O/E
All second cancers	284	234.47	1.2*	860	642.43	1.3*	515	412.53	1.2*	609	426.06	1.4*	2,268	1,714.37	1.3*
All excluding site of initial cancer	236	202.16	1.2*	676	552.97	1.2*	395	353.20	1.1*	455	361.58	1.3*	1,762	1,468.95	1.2*
Buccal cavity, pharynx	13	7.99	1.6	22	21.25	1.0	15	12.89	1.2	16	11.93	1.3	66	54.02	1.2
Lip	0	1.30	0.0	6	3.39	1.8	2	2.05	1.0	2	1.82	1.1	10	8.55	1.2
Tongue	2	1.59	1.3	4	4.19	1.0	7	2.53	2.8*	4	2.32	1.7	17	10.62	1.6
Salivary gland	1	0.56	1.8	4	1.52	2.6	0	0.98	0.0	1	1.00	1.0	6	4.06	1.5
Gum, other mouth	4	2.35	1.7	1	6.28	0.2*	3	3.84	0.8	5	3.65	1.4	13	16.11	0.8
Pharynx	4	1.90	2.1	6	5.06	1.2	3	3.02	1.0	3	2.70	1.1	16	12.67	1.3
Digestive system	96	76.46	1.3*	379	208.96	1.8*	208	135.70	1.5*	262	141.70	1.8*	945	562.46	1.7*
Esophagus	5	3.44	1.5	10	9.13	1.1	5	5.54	0.9	5	5.16	1.0	25	23.24	1.1
Stomach	6	12.15	0.5	41	32.35	1.3	20	20.39	1.0	21	19.78	1.1	88	84.61	1.0
Colon	48	32.31	1.5*	184	89.46	2.1*	120	59.33	2.0*	154	64.48	2.4*	506	245.42	2.1*
Rectum	20	15.00	1.3	95	40.85	2.3*	41	26.17	1.6*	48	26.75	1.8*	204	108.70	1.9*
Liver, biliary	5	4.50	1.1	8	12.33	0.6	9	8.11	1.1	15	8.52	1.8	37	33.45	1.1
Pancreas	8	7.71	1.0	24	21.20	1.1	9	13.84	0.7	16	14.67	1.1	57	57.38	1.0
Respiratory system	12	31.68	0.4*	80	86.42	0.9	63	52.81	1.2	44	51.01	0.9	199	221.76	0.9
Nasal cavities, sinuses	1	0.45	2.2	1	1.21	0.8	2	0.76	2.6	0	0.74	0.0	4	3.15	1.3
Larynx	1	3.10	0.3	6	8.25	0.7	8	4.83	1.7	4	4.25	0.9	19	20.41	0.9
Trachea, bronchus, lung	9	27.83	0.3*	72	76.15	0.9	53	46.73	1.1	38	45.54	0.8	172	196.12	0.9
Female breast	22	25.16	0.9	79	69.24	1.1	50	46.59	1.1	81	52.36	1.5*	232	193.23	1.2*
Female genital tract	43	15.57	2.8*	83	42.10	2.0*	28	27.40	1.0	46	28.75	1.6*	200	113.76	1.8*
Cervix uteri	9	2.89	3.1*	8	7.52	1.1	4	4.63	0.9	2	4.36	0.5	23	19.38	1.2
Corpus uteri	8	6.22	1.3	31	17.14	1.8*	13	11.32	1.1	28	12.33	2.3*	80	46.97	1.7*
Uterus, NOS	3	1.18	2.6	1	2.99	0.3	1	1.85	0.5	6	1.60	3.8*	11	7.61	1.4
Ovary, fallopian tubes	22	4.26	5.2*	39	11.61	3.4*	7	7.61	0.9	9	8.14	1.1	77	31.60	2.4*
Prostate gland	41	25.57	1.6*	83	71.33	1.2	61	45.03	1.4*	59	44.37	1.3*	244	186.18	1.3*
Testis	0	0.17	0.0	0	0.42	0.0	0	0.23	0.0	0	0.18	0.0	0	0.99	0.0
Kidney, renal pelvis, ureter	8	4.80	1.7	15	13.07	1.1	10	8.22	1.2	15	8.19	1.8*	48	34.25	1.4*
Bladder, other urinary	19	12.74	1.5	37	35.23	1.1	21	22.57	0.9	24	23.30	1.0	101	93.78	1.1
Melanoma of the skin	7	2.34	3.0*	7	6.41	1.1	8	4.01	2.0	2	4.13	0.5	24	16.87	1.4
Eye	0	0.35	0.0	0	0.95	0.0	3	0.59	5.0*	1	0.59	1.7	4	2.48	1.6
Brain, central nervous system	1	2.13	0.5	10	5.72	1.7	7	3.45	2.0	5	3.29	1.5	23	14.58	1.6
Thyroid gland	3	0.97	3.1	2	2.63	0.8	2	1.68	1.2	2	1.72	1.2	9	7.00	1.3
Bone	0	0.33	0.0	3	0.84	3.6	0	0.51	0.0	0	0.46	0.0	3	2.14	1.4
Connective tissue	3	1.06	2.8	2	2.88	0.7	3	1.84	1.6	3	1.88	1.6	11	7.66	1.4
Lymphatic, hematopoietic system	14	15.48	0.9	46	42.89	1.1	26	28.03	0.9	36	30.11	1.2	122	116.43	1.0
Non-Hodgkin's lymphoma	7	5.23	1.3	15	14.47	1.0	6	9.37	0.6	14	9.99	1.4	42	39.04	1.1
Hodgkin's disease	1	0.99	1.0	2	2.64	0.8	2	1.61	1.2	3	1.54	1.9	8	6.78	1.2
Multiple myeloma	1	2.55	0.4	10	7.16	1.4	5	4.78	1.0	5	5.33	0.9	21	19.81	1.1
Leukemias	5	6.69	0.7	19	18.59	1.0	13	12.26	1.1	14	13.24	1.1	51	50.74	1.0
Chronic lymphocytic	1	2.09	0.5	5	5.86	0.9	3	3.91	0.8	4	4.29	0.9	13	16.14	0.8
Acute nonlymphocytic	2	2.06	1.0	6	5.81	1.0	4	3.87	1.0	8	4.37	1.8	20	16.10	1.2

+ ICD-O codes = 153, 159.0.

* P<.05.

COLON
MALES

TABLE 4D. -- Observed (O) and expected (E) numbers of second primary cancers by years after diagnosis of an initial cancer of the colon 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	12,324			8,531			3,444			1,583			12,324		
Person-yr in interval	8,275			21,190			11,781			9,586			50,832		
All second cancers	143	131.76	1.1	471	358.36	1.3*	283	218.01	1.3*	293	203.19	1.4*	1,190	910.70	1.3*
All excluding site of initial cancer	119	115.66	1.0	373	314.25	1.2*	228	190.83	1.2*	226	177.23	1.3*	946	797.41	1.2*
Buccal cavity, pharynx	10	6.28	1.6	18	16.52	1.1	10	9.69	1.0	9	8.32	1.1	47	40.78	1.2
Lip	0	1.18	0.0	6	3.07	2.0	2	1.82	1.1	1	1.55	0.6	9	7.61	1.2
Tongue	2	1.24	1.6	4	3.22	1.2	4	1.87	2.1	2	1.59	1.3	12	7.92	1.5
Salivary gland	1	0.33	3.0	1	0.90	1.1	0	0.56	0.0	1	0.52	1.9	3	2.32	1.3
Gum, other mouth	2	1.74	1.1	1	4.59	0.2	1	2.68	0.4	3	2.31	1.3	7	11.32	0.6
Pharynx	3	1.54	1.9	5	4.08	1.2	3	2.38	1.3	2	2.03	1.0	13	10.02	1.3
Digestive system	50	42.35	1.2	220	114.11	1.9*	106	69.10	1.5*	122	63.57	1.9*	498	288.94	1.7*
Esophagus	3	2.71	1.1	6	7.13	0.8	3	4.16	0.7	3	3.55	0.8	15	17.54	0.9
Stomach	5	7.67	0.7	32	20.19	1.6*	11	12.02	0.9	13	10.62	1.2	61	50.46	1.2
Colon	24	16.10	1.5	98	44.11	2.2*	55	27.18	2.0*	67	25.96	2.6*	244	113.29	2.2*
Rectum	13	8.71	1.5	59	23.36	2.5*	23	14.01	1.6*	20	12.64	1.6	115	58.68	2.0*
Liver, biliary	2	2.16	0.9	5	5.87	0.9	6	3.59	1.7	7	3.34	2.1	20	14.95	1.3
Pancreas	2	4.29	0.5	13	11.59	1.1	6	7.03	0.9	11	6.47	1.7	32	29.35	1.1
Respiratory system	8	25.75	0.3*	63	69.81	0.9	49	41.60	1.2	37	37.78	1.0	157	174.83	0.9
Nasal cavities, sinuses	1	0.28	3.6	0	0.75	0.0	0	0.45	0.0	0	0.41	0.0	1	1.89	0.5
Larynx	1	2.78	0.4	6	7.35	0.8	7	4.24	1.7	4	3.59	1.1	18	17.95	1.0
Trachea, bronchus, lung	5	22.46	0.2*	56	61.09	0.9	42	36.55	1.1	31	33.45	0.9	134	153.45	0.9
Prostate gland	41	25.57	1.6*	83	71.33	1.2	61	45.03	1.4*	59	44.37	1.3*	244	186.18	1.3*
Testis	0	0.17	0.0	0	0.42	0.0	0	0.23	0.0	0	0.18	0.0	0	0.99	0.0
Kidney, renal pelvis, ureter	5	3.17	1.6	13	8.53	1.5	8	5.10	1.6	11	4.61	2.4*	37	21.39	1.7*
Bladder, other urinary	11	9.64	1.1	25	26.50	0.9	20	16.32	1.2	20	15.67	1.3	76	68.09	1.1
Melanoma of the skin	3	1.31	2.3	6	3.55	1.7	4	2.10	1.9	1	1.94	0.5	14	8.89	1.6
Eye	0	0.18	0.0	0	0.47	0.0	1	0.27	3.7	1	0.23	4.3	2	1.15	1.7
Brain, central nervous system	0	1.20	0.0	6	3.18	1.9	4	1.81	2.2	0	1.52	0.0	10	7.71	1.3
Thyroid gland	3	0.31	9.6*	1	0.83	1.2	2	0.48	4.2	0	0.42	0.0	6	2.03	2.9*
Bone	0	0.18	0.0	2	0.45	4.4	0	0.26	0.0	0	0.21	0.0	2	1.10	1.8
Connective tissue	2	0.63	3.2	1	1.71	0.6	1	1.04	1.0	3	0.98	3.1	7	4.36	1.6
Lymphatic, hematopoietic system	8	8.57	0.9	26	23.44	1.1	10	14.34	0.7	21	13.54	1.6	65	59.85	1.1
Non-Hodgkin's lymphoma	3	2.69	1.1	9	7.35	1.2	2	4.43	0.5	5	4.09	1.2	19	18.55	1.0
Hodgkin's disease	1	0.56	1.8	1	1.45	0.7	1	0.82	1.2	2	0.69	2.9	5	3.51	1.4
Multiple myeloma	0	1.32	0.0	6	3.65	1.6	2	2.26	0.9	3	2.18	1.4	11	9.42	1.2
Leukemias	4	4.00	1.0	10	11.00	0.9	5	6.81	0.7	11	6.57	1.7	30	28.36	1.1
Chronic lymphocytic	0	1.31	0.0	2	3.64	0.5	1	2.27	0.4	4	2.24	1.8	7	9.45	0.7
Acute nonlymphocytic	2	1.18	1.7	3	3.29	0.9	1	2.06	0.5	6	2.07	2.9*	12	8.60	1.4

+ ICD-O codes = 153, 159.0.

* P<.05.

COLON
FEMALES

TABLE 4E. -- Observed (O) and expected (E) numbers of second primary cancers by years after diagnosis of an initial cancer of the colon 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
No. starting interval	14,480			10,282			4,627			2,401			14,480		
Person-yr in interval	9,891			26,506			16,840			17,239			70,476		
	O	E	O/E	O	E	O/E	O	E	O/E	O	E	O/E	O	E	O/E
All second cancers	141	102.71	1.4*	389	284.07	1.4*	232	194.53	1.2*	316	222.87	1.4*	1,078	803.67	1.3*
All excluding site of initial cancer	117	86.50	1.4*	303	238.72	1.3*	167	162.38	1.0	229	184.35	1.2*	816	671.53	1.2*
Buccal cavity, pharynx	3	1.71	1.8	4	4.73	0.8	5	3.20	1.6	7	3.60	1.9	19	13.24	1.4
Lip	0	0.12	0.0	0	0.32	0.0	0	0.23	0.0	1	0.27	3.8	1	0.93	1.1
Tongue	0	0.35	0.0	0	0.97	0.0	3	0.65	4.6	2	0.73	2.7	5	2.70	1.9
Salivary gland	0	0.23	0.0	3	0.62	4.8	0	0.42	0.0	0	0.47	0.0	3	1.74	1.7
Gum, other mouth	2	0.61	3.3	0	1.68	0.0	2	1.16	1.7	2	1.35	1.5	6	4.79	1.3
Pharynx	1	0.35	2.8	1	0.98	1.0	0	0.64	0.0	1	0.68	1.5	3	2.65	1.1
Digestive system	46	34.11	1.3	159	94.85	1.7*	102	66.60	1.5*	140	78.13	1.8*	447	273.52	1.6*
Esophagus	2	0.72	2.8	4	2.00	2.0	2	1.38	1.5	2	1.61	1.2	10	5.70	1.8
Stomach	1	4.48	0.2	9	12.16	0.7	9	8.37	1.1	8	9.17	0.9	27	34.15	0.8
Colon	24	16.21	1.5	86	45.35	1.9*	65	32.15	2.0*	87	38.52	2.3*	262	132.14	2.0*
Rectum	7	6.29	1.1	36	17.49	2.1*	18	12.16	1.5	28	14.11	2.0*	89	50.03	1.8*
Liver, biliary	3	2.34	1.3	3	6.46	0.5	3	4.52	0.7	8	5.18	1.5	17	18.49	0.9
Pancreas	6	3.42	1.8	11	9.61	1.1	3	6.81	0.4	5	8.21	0.6	25	28.03	0.9
Respiratory system	4	5.93	0.7	17	16.60	1.0	14	11.21	1.2	7	13.22	0.5	42	46.93	0.9
Nasal cavities, sinuses	0	0.17	0.0	1	0.46	2.2	2	0.31	6.5	0	0.33	0.0	3	1.26	2.4
Larynx	0	0.32	0.0	0	0.89	0.0	1	0.59	1.7	0	0.66	0.0	1	2.46	0.4
Trachea, bronchus, lung	4	5.37	0.7	16	15.06	1.1	11	10.18	1.1	7	12.09	0.6	38	42.67	0.9
Female breast	22	25.16	0.9	79	69.24	1.1	50	46.59	1.1	81	52.36	1.5*	232	193.23	1.2*
Female genital tract	43	15.57	2.8*	83	42.10	2.0*	28	27.40	1.0	46	28.75	1.6*	200	113.76	1.8*
Cervix uteri	9	2.89	3.1*	8	7.52	1.1	4	4.63	0.9	2	4.36	0.5	23	19.38	1.2
Corpus uteri	8	6.22	1.3	31	17.14	1.8*	13	11.32	1.1	28	12.33	2.3*	80	46.97	1.7*
Uterus, NOS	3	1.18	2.6	1	2.99	0.3	1	1.85	0.5	6	1.60	3.8*	11	7.61	1.4
Ovary, fallopian tubes	22	4.26	5.2*	39	11.61	3.4*	7	7.61	0.9	9	8.14	1.1	77	31.60	2.4*
Kidney, renal pelvis, ureter	3	1.63	1.8	2	4.54	0.4	2	3.12	0.6	4	3.57	1.1	11	12.86	0.9
Bladder, other urinary	8	3.10	2.6*	12	8.73	1.4	1	6.25	0.2*	4	7.62	0.5	25	25.69	1.0
Melanoma of the skin	4	1.03	3.9*	1	2.86	0.3	4	1.91	2.1	1	2.19	0.5	10	7.98	1.3
Eye	0	0.17	0.0	0	0.47	0.0	2	0.32	6.2	0	0.35	0.0	2	1.32	1.5
Brain, central nervous system	1	0.92	1.1	4	2.53	1.6	3	1.64	1.8	5	1.77	2.8	13	6.87	1.9*
Thyroid gland	0	0.66	0.0	1	1.81	0.6	0	1.20	0.0	2	1.30	1.5	3	4.96	0.6
Bone	0	0.15	0.0	1	0.39	2.6	0	0.25	0.0	0	0.25	0.0	1	1.04	1.0
Connective tissue	1	0.43	2.4	1	1.17	0.9	2	0.80	2.5	0	0.90	0.0	4	3.30	1.2
Lymphatic, hematopoietic system	6	6.91	0.9	20	19.45	1.0	16	13.69	1.2	15	16.57	0.9	57	56.59	1.0
Non-Hodgkin's lymphoma	4	2.54	1.6	6	7.12	0.8	4	4.94	0.8	9	5.90	1.5	23	20.48	1.1
Hodgkin's disease	0	0.44	0.0	1	1.19	0.8	1	0.79	1.3	1	0.85	1.2	3	3.26	0.9
Multiple myeloma	1	1.23	0.8	4	3.51	1.1	3	2.51	1.2	2	3.15	0.6	10	10.40	1.0
Leukemias	1	2.69	0.4	9	7.59	1.2	8	5.44	1.5	3	6.66	0.5	21	22.38	0.9
Chronic lymphocytic	1	0.78	1.3	3	2.22	1.3	2	1.63	1.2	0	2.05	0.0	6	6.69	0.9
Acute nonlymphocytic	0	0.88	0.0	3	2.51	1.2	3	1.81	1.7	2	2.30	0.9	8	7.50	1.1

+ ICD-O codes = 153, 159.0.

* P<.05.