

KIDNEY
BOTH SEXES

TABLE 1A. -- Characteristics of persons reported to the Connecticut Tumor Registry with an initial cancer of the kidney, renal pelvis, or ureter, 1935-82+

| Category | Male | Female | Total |
|--|--------|--------|--------|
| No. with first primary cancer* | 3,284 | 1,831 | 5,115 |
| No. who developed a second primary cancer | 261 | 113 | 374 |
| Average age at diagnosis of first cancer, yr | 59 | 59 | 59 |
| Average yr of diagnosis of first cancer | 1966 | 1966 | 1966 |
| Person-yr of follow-up | 13,336 | 8,723 | 22,059 |
| Average follow-up, yr | 4.1 | 4.8 | 4.3 |
| Percent given radiotherapy for first cancer | 21.3 | 20.0 | 20.8 |

+ ICD-O codes = 189.0-189.2.

* 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 1B. -- Microscopic confirmation among persons who developed second primary cancers after an initial cancer of the kidney, renal pelvis, or ureter in Connecticut, 1935-82

| Microscopically confirmed | No. | Percent+ |
|---------------------------------|-----|----------|
| Both first and second cancers | 329 | 88.0 |
| Only the first cancer | 42 | 11.2 |
| Only the second cancer | 2 | 0.5 |
| Neither first nor second cancer | 1 | 0.3 |
| Total second primary cancers | 374 | 100.0 |

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

KIDNEY
BOTH SEXES

TABLE 1C. -- Observed (O) and expected (E) numbers of second primary cancers by years after diagnosis of an initial cancer of the kidney, renal pelvis, or ureter among males and females in Connecticut, 1935-82+

| No. starting interval Person-yr in interval | Yr after first primary cancer diagnosis | | | | | | | | | | | | Total | | |
|--|---|-------|-------|--------|-------|-------|--------|-------|------|--------|-------|------|-------|--------|------|
| | <1 yr | | | 1-4 yr | | | 5-9 yr | | | 10+ yr | | | | | |
| 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 | 64 | 34.10 | 1.9* | 159 | 91.59 | 1.7* | 67 | 57.34 | 1.2 | 84 | 59.78 | 1.4* | 374 | 242.65 | 1.5* |
| All excluding site of initial cancer | 61 | 33.30 | 1.8* | 152 | 89.47 | 1.7* | 63 | 56.03 | 1.1 | 82 | 58.49 | 1.4* | 358 | 237.13 | 1.5* |
| Buccal cavity, pharynx | 0 | 1.43 | 0.0 | 4 | 3.75 | 1.1 | 2 | 2.24 | 0.9 | 2 | 2.10 | 1.0 | 8 | 9.51 | 0.8 |
| Lip | 0 | 0.22 | 0.0 | 2 | 0.56 | 3.5 | 1 | 0.32 | 3.1 | 0 | 0.30 | 0.0 | 3 | 1.40 | 2.1 |
| Tongue | 0 | 0.29 | 0.0 | 0 | 0.75 | 0.0 | 1 | 0.45 | 2.2 | 1 | 0.41 | 2.4 | 2 | 1.90 | 1.1 |
| Salivary gland | 0 | 0.08 | 0.0 | 0 | 0.22 | 0.0 | 0 | 0.14 | 0.0 | 0 | 0.15 | 0.0 | 0 | 0.59 | 0.0 |
| Gum, other mouth | 0 | 0.42 | 0.0 | 1 | 1.10 | 0.9 | 0 | 0.67 | 0.0 | 0 | 0.63 | 0.0 | 1 | 2.81 | 0.4 |
| Pharynx | 0 | 0.36 | 0.0 | 1 | 0.96 | 1.0 | 0 | 0.58 | 0.0 | 1 | 0.53 | 1.9 | 2 | 2.43 | 0.8 |
| Digestive system | 8 | 10.66 | 0.8 | 25 | 28.40 | 0.9 | 14 | 17.64 | 0.8 | 26 | 18.53 | 1.4 | 73 | 75.18 | 1.0 |
| Esophagus | 0 | 0.59 | 0.0 | 0 | 1.55 | 0.0 | 0 | 0.92 | 0.0 | 0 | 0.87 | 0.0 | 0 | 3.93 | 0.0* |
| Stomach | 2 | 1.75 | 1.1 | 4 | 4.48 | 0.9 | 3 | 2.67 | 1.1 | 4 | 2.66 | 1.5 | 13 | 11.55 | 1.1 |
| Colon | 3 | 4.26 | 0.7 | 15 | 11.52 | 1.3 | 7 | 7.30 | 1.0 | 8 | 8.01 | 1.0 | 33 | 31.07 | 1.1 |
| Rectum | 0 | 2.19 | 0.0 | 5 | 5.84 | 0.9 | 4 | 3.62 | 1.1 | 8 | 3.69 | 2.2 | 17 | 15.33 | 1.1 |
| Liver, biliary | 0 | 0.59 | 0.0 | 0 | 1.59 | 0.0 | 0 | 0.99 | 0.0 | 2 | 1.06 | 1.9 | 2 | 4.23 | 0.5 |
| Pancreas | 3 | 1.09 | 2.8 | 1 | 2.92 | 0.3 | 0 | 1.83 | 0.0 | 4 | 1.92 | 2.1 | 8 | 7.76 | 1.0 |
| Respiratory system | 5 | 5.76 | 0.9 | 22 | 15.49 | 1.4 | 13 | 9.63 | 1.4 | 11 | 9.51 | 1.2 | 51 | 40.36 | 1.3 |
| Nasal cavities, sinuses | 0 | 0.07 | 0.0 | 0 | 0.18 | 0.0 | 0 | 0.11 | 0.0 | 0 | 0.11 | 0.0 | 0 | 0.47 | 0.0 |
| Larynx | 0 | 0.63 | 0.0 | 3 | 1.65 | 1.8 | 0 | 1.00 | 0.0 | 0 | 0.90 | 0.0 | 3 | 4.17 | 0.7 |
| Trachea, bronchus, lung | 4 | 5.01 | 0.8 | 19 | 13.51 | 1.4 | 13 | 8.42 | 1.5 | 11 | 8.41 | 1.3 | 47 | 35.34 | 1.3 |
| Female breast | 3 | 2.60 | 1.2 | 8 | 7.13 | 1.1 | 6 | 4.74 | 1.3 | 6 | 5.18 | 1.2 | 23 | 19.64 | 1.2 |
| Female genital tract | 3 | 1.65 | 1.8 | 2 | 4.44 | 0.5 | 3 | 2.90 | 1.0 | 2 | 3.00 | 0.7 | 10 | 11.98 | 0.8 |
| Cervix uteri | 1 | 0.32 | 3.2 | 1 | 0.82 | 1.2 | 1 | 0.51 | 2.0 | 0 | 0.48 | 0.0 | 3 | 2.12 | 1.4 |
| Corpus uteri | 1 | 0.68 | 1.5 | 1 | 1.87 | 0.5 | 1 | 1.26 | 0.8 | 1 | 1.33 | 0.8 | 4 | 5.13 | 0.8 |
| Uterus, NOS | 1 | 0.11 | 8.9 | 0 | 0.27 | 0.0 | 1 | 0.16 | 6.2 | 0 | 0.16 | 0.0 | 2 | 0.70 | 2.8 |
| Ovary, fallopian tubes | 0 | 0.45 | 0.0 | 0 | 1.22 | 0.0 | 0 | 0.80 | 0.0 | 1 | 0.83 | 1.2 | 1 | 3.30 | 0.3 |
| Prostate gland | 9 | 4.04 | 2.2* | 13 | 11.03 | 1.2 | 5 | 6.89 | 0.7 | 16 | 7.58 | 2.1* | 43 | 29.53 | 1.5* |
| Testis | 1 | 0.05 | 20.6 | 0 | 0.12 | 0.0 | 0 | 0.06 | 0.0 | 0 | 0.06 | 0.0 | 1 | 0.30 | 3.4 |
| Kidney, renal pelvis, ureter | 3 | 0.80 | 3.7 | 7 | 2.12 | 3.3* | 4 | 1.31 | 3.1 | 2 | 1.29 | 1.5 | 16 | 5.52 | 2.9* |
| Bladder, other urinary | 24 | 2.00 | 12.0* | 57 | 5.40 | 10.6* | 10 | 3.37 | 3.0* | 8 | 3.60 | 2.2 | 99 | 14.35 | 6.9* |
| Melanoma of the skin | 0 | 0.40 | 0.0 | 0 | 1.10 | 0.0 | 1 | 0.69 | 1.5 | 2 | 0.68 | 2.9 | 3 | 2.88 | 1.0 |
| Eye | 0 | 0.05 | 0.0 | 0 | 0.14 | 0.0 | 0 | 0.09 | 0.0 | 0 | 0.08 | 0.0 | 0 | 0.37 | 0.0 |
| Brain, central nervous system | 2 | 0.39 | 5.1 | 1 | 1.04 | 1.0 | 0 | 0.64 | 0.0 | 1 | 0.59 | 1.7 | 4 | 2.67 | 1.5 |
| Thyroid gland | 0 | 0.14 | 0.0 | 1 | 0.38 | 2.6 | 0 | 0.24 | 0.0 | 0 | 0.24 | 0.0 | 1 | 0.99 | 1.0 |
| Bone | 0 | 0.05 | 0.0 | 2 | 0.13 | 15.6* | 0 | 0.08 | 0.0 | 1 | 0.08 | 12.9 | 3 | 0.33 | 9.0* |
| Connective tissue | 2 | 0.16 | 12.3* | 1 | 0.43 | 2.3 | 0 | 0.27 | 0.0 | 0 | 0.27 | 0.0 | 3 | 1.13 | 2.6 |
| Lymphatic, hematopoietic system | 3 | 2.26 | 1.3 | 11 | 6.12 | 1.8 | 7 | 3.85 | 1.8 | 4 | 4.10 | 1.0 | 25 | 16.32 | 1.5 |
| Non-Hodgkin's lymphoma | 0 | 0.78 | 0.0 | 4 | 2.12 | 1.9 | 4 | 1.34 | 3.0 | 2 | 1.40 | 1.4 | 10 | 5.63 | 1.8 |
| Hodgkin's disease | 0 | 0.17 | 0.0 | 0 | 0.44 | 0.0 | 0 | 0.27 | 0.0 | 0 | 0.27 | 0.0 | 0 | 1.14 | 0.0 |
| Multiple myeloma | 2 | 0.36 | 5.6 | 1 | 0.98 | 1.0 | 1 | 0.63 | 1.6 | 1 | 0.69 | 1.4 | 5 | 2.65 | 1.9 |
| Leukemias | 1 | 0.95 | 1.1 | 6 | 2.58 | 2.3 | 2 | 1.61 | 1.2 | 1 | 1.74 | 0.6 | 10 | 6.89 | 1.5 |
| Chronic lymphocytic | 0 | 0.29 | 0.0 | 2 | 0.81 | 2.5 | 1 | 0.51 | 2.0 | 1 | 0.57 | 1.8 | 4 | 2.17 | 1.8 |
| Acute nonlymphocytic | 1 | 0.29 | 3.4 | 2 | 0.81 | 2.5 | 0 | 0.51 | 0.0 | 0 | 0.57 | 0.0 | 3 | 2.18 | 1.4 |

+ ICD-O codes = 189.0-189.2.

* P<.05.

KIDNEY
MALES

TABLE 1D. -- Observed (O) and expected (E) numbers of second primary cancers by years after diagnosis of an initial cancer of the kidney, renal pelvis, or ureter among males in Connecticut, 1935-82+

| No. starting interval Person-yr in interval | 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 |
| All second cancers | 3,284 | | | 2,105 | | | 913 | | | 410 | | | 3,284 | | |
| | 2,104 | | | 5,412 | | | 3,106 | | | 2,714 | | | 13,336 | | |
| 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 excluding site of initial cancer | 45 | 23.95 | 1.9* | 113 | 63.78 | 1.8* | 49 | 38.82 | 1.3 | 54 | 38.86 | 1.4* | 261 | 165.30 | 1.6* |
| | 43 | 23.32 | 1.8* | 108 | 62.11 | 1.7* | 48 | 37.81 | 1.3 | 53 | 37.90 | 1.4* | 252 | 161.03 | 1.6* |
| Buccal cavity, pharynx | 0 | 1.25 | 0.0 | 4 | 3.26 | 1.2 | 2 | 1.91 | 1.0 | 2 | 1.73 | 1.2 | 8 | 8.15 | 1.0 |
| Lip | 0 | 0.21 | 0.0 | 2 | 0.54 | 3.7 | 1 | 0.30 | 3.3 | 0 | 0.27 | 0.0 | 3 | 1.32 | 2.3 |
| Tongue | 0 | 0.25 | 0.0 | 0 | 0.65 | 0.0 | 1 | 0.38 | 2.6 | 1 | 0.34 | 3.0 | 2 | 1.62 | 1.2 |
| Salivary gland | 0 | 0.06 | 0.0 | 0 | 0.16 | 0.0 | 0 | 0.10 | 0.0 | 0 | 0.10 | 0.0 | 0 | 0.42 | 0.0 |
| Gum, other mouth | 0 | 0.35 | 0.0 | 1 | 0.93 | 1.1 | 0 | 0.55 | 0.0 | 0 | 0.49 | 0.0 | 1 | 2.33 | 0.4 |
| Pharynx | 0 | 0.32 | 0.0 | 1 | 0.85 | 1.2 | 0 | 0.50 | 0.0 | 1 | 0.45 | 2.2 | 2 | 2.12 | 0.9 |
| Digestive system | 5 | 7.54 | 0.7 | 18 | 19.87 | 0.9 | 12 | 11.95 | 1.0 | 13 | 11.80 | 1.1 | 48 | 51.12 | 0.9 |
| Esophagus | 0 | 0.52 | 0.0 | 0 | 1.36 | 0.0 | 0 | 0.79 | 0.0 | 0 | 0.73 | 0.0 | 0 | 3.39 | 0.0 |
| Stomach | 2 | 1.35 | 1.5 | 4 | 3.43 | 1.2 | 2 | 2.00 | 1.0 | 2 | 1.87 | 1.1 | 10 | 8.65 | 1.2 |
| Colon | 1 | 2.79 | 0.4 | 10 | 7.46 | 1.3 | 6 | 4.57 | 1.3 | 5 | 4.74 | 1.1 | 22 | 19.55 | 1.1 |
| Rectum | 0 | 1.60 | 0.0 | 3 | 4.21 | 0.7 | 4 | 2.53 | 1.6 | 4 | 2.43 | 1.6 | 11 | 10.76 | 1.0 |
| Liver, biliary | 0 | 0.38 | 0.0 | 0 | 1.02 | 0.0 | 0 | 0.62 | 0.0 | 0 | 0.62 | 0.0 | 0 | 2.63 | 0.0 |
| Pancreas | 2 | 0.77 | 2.6 | 1 | 2.05 | 0.5 | 0 | 1.24 | 0.0 | 2 | 1.22 | 1.6 | 5 | 5.28 | 0.9 |
| Respiratory system | 5 | 5.12 | 1.0 | 16 | 13.68 | 1.2 | 12 | 8.39 | 1.4 | 8 | 8.09 | 1.0 | 41 | 35.26 | 1.2 |
| Nasal cavities, sinuses | 0 | 0.05 | 0.0 | 0 | 0.14 | 0.0 | 0 | 0.08 | 0.0 | 0 | 0.08 | 0.0 | 0 | 0.35 | 0.0 |
| Larynx | 0 | 0.59 | 0.0 | 3 | 1.55 | 1.9 | 0 | 0.93 | 0.0 | 0 | 0.82 | 0.0 | 3 | 3.89 | 0.8 |
| Trachea, bronchus, lung | 4 | 4.43 | 0.9 | 13 | 11.88 | 1.1 | 12 | 7.30 | 1.6 | 8 | 7.12 | 1.1 | 37 | 30.71 | 1.2 |
| Prostate gland | 9 | 4.04 | 2.2* | 13 | 11.03 | 1.2 | 5 | 6.89 | 0.7 | 16 | 7.58 | 2.1* | 43 | 29.53 | 1.5* |
| Testis | 1 | 0.05 | 20.6 | 0 | 0.12 | 0.0 | 0 | 0.06 | 0.0 | 0 | 0.06 | 0.0 | 1 | 0.30 | 3.4 |
| Kidney, renal pelvis, ureter | 2 | 0.63 | 3.2 | 5 | 1.67 | 3.0 | 1 | 1.01 | 1.0 | 1 | 0.96 | 1.0 | 9 | 4.27 | 2.1 |
| Bladder, other urinary | 17 | 1.72 | 9.9* | 42 | 4.61 | 9.1* | 9 | 2.84 | 3.2* | 6 | 2.94 | 2.0 | 74 | 12.10 | 6.1* |
| Melanoma of the skin | 0 | 0.29 | 0.0 | 0 | 0.78 | 0.0 | 1 | 0.48 | 2.1 | 1 | 0.45 | 2.2 | 2 | 2.00 | 1.0 |
| Eye | 0 | 0.04 | 0.0 | 0 | 0.10 | 0.0 | 0 | 0.06 | 0.0 | 0 | 0.05 | 0.0 | 0 | 0.24 | 0.0 |
| Brain, central nervous system | 2 | 0.29 | 7.0 | 0 | 0.75 | 0.0 | 0 | 0.45 | 0.0 | 0 | 0.39 | 0.0 | 2 | 1.88 | 1.1 |
| Thyroid gland | 0 | 0.07 | 0.0 | 1 | 0.19 | 5.4 | 0 | 0.11 | 0.0 | 0 | 0.10 | 0.0 | 1 | 0.46 | 2.2 |
| Bone | 0 | 0.03 | 0.0 | 2 | 0.09 | 22.1* | 0 | 0.05 | 0.0 | 0 | 0.05 | 0.0 | 2 | 0.23 | 8.8 |
| Connective tissue | 2 | 0.12 | 16.7* | 0 | 0.32 | 0.0 | 0 | 0.19 | 0.0 | 0 | 0.19 | 0.0 | 2 | 0.81 | 2.5 |
| Lymphatic, hematopoietic system | 1 | 1.60 | 0.6 | 8 | 4.27 | 1.9 | 5 | 2.60 | 1.9 | 4 | 2.63 | 1.5 | 18 | 11.09 | 1.6 |
| Non-Hodgkin's lymphoma | 0 | 0.53 | 0.0 | 3 | 1.42 | 2.1 | 3 | 0.86 | 3.5 | 2 | 0.85 | 2.4 | 8 | 3.66 | 2.2 |
| Hodgkin's disease | 0 | 0.12 | 0.0 | 0 | 0.32 | 0.0 | 0 | 0.18 | 0.0 | 0 | 0.17 | 0.0 | 0 | 0.79 | 0.0 |
| Multiple myeloma | 0 | 0.24 | 0.0 | 1 | 0.65 | 1.5 | 1 | 0.40 | 2.5 | 1 | 0.42 | 2.4 | 3 | 1.71 | 1.8 |
| Leukemias | 1 | 0.70 | 1.4 | 4 | 1.88 | 2.1 | 1 | 1.15 | 0.9 | 1 | 1.19 | 0.8 | 7 | 4.92 | 1.4 |
| Chronic lymphocytic | 0 | 0.22 | 0.0 | 2 | 0.61 | 3.3 | 1 | 0.38 | 2.7 | 1 | 0.40 | 2.5 | 4 | 1.61 | 2.5 |
| Acute nonlymphocytic | 1 | 0.21 | 4.8 | 1 | 0.57 | 1.8 | 0 | 0.36 | 0.0 | 0 | 0.38 | 0.0 | 2 | 1.51 | 1.3 |

+ ICD-O codes = 189.0-189.2.

* P<.05.

KIDNEY
FEMALES

TABLE 1E. -- Observed (O) and expected (E) numbers of second primary cancers by years after diagnosis of an initial cancer of the kidney, renal pelvis, or ureter among females in Connecticut, 1935-82+

| No. starting interval Person-yr in interval | Yr after first primary cancer diagnosis | | | | | | | | | | | | Total | | |
|--|---|-------|-------|--------|-------|-------|--------|-------|-------|--------|-------|------|-------|-------|-------|
| | <1 yr | | | 1-4 yr | | | 5-9 yr | | | 10+ yr | | | | | |
| 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 | 19 | 10.15 | 1.9* | 46 | 27.81 | 1.7* | 18 | 18.52 | 1.0 | 30 | 20.91 | 1.4 | 113 | 77.35 | 1.5* |
| All excluding site of initial cancer | 18 | 9.98 | 1.8* | 44 | 27.36 | 1.6* | 15 | 18.22 | 0.8 | 29 | 20.57 | 1.4 | 106 | 76.10 | 1.4* |
| Buccal cavity, pharynx | 0 | 0.18 | 0.0 | 0 | 0.49 | 0.0 | 0 | 0.33 | 0.0 | 0 | 0.37 | 0.0 | 0 | 1.36 | 0.0 |
| Lip | 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 |
| Tongue | 0 | 0.04 | 0.0 | 0 | 0.10 | 0.0 | 0 | 0.07 | 0.0 | 0 | 0.07 | 0.0 | 0 | 0.28 | 0.0 |
| Salivary gland | 0 | 0.02 | 0.0 | 0 | 0.06 | 0.0 | 0 | 0.04 | 0.0 | 0 | 0.05 | 0.0 | 0 | 0.17 | 0.0 |
| Gum, other mouth | 0 | 0.06 | 0.0 | 0 | 0.17 | 0.0 | 0 | 0.12 | 0.0 | 0 | 0.13 | 0.0 | 0 | 0.48 | 0.0 |
| Pharynx | 0 | 0.04 | 0.0 | 0 | 0.11 | 0.0 | 0 | 0.07 | 0.0 | 0 | 0.08 | 0.0 | 0 | 0.30 | 0.0 |
| Digestive system | 3 | 3.12 | 1.0 | 7 | 8.53 | 0.8 | 2 | 5.69 | 0.4 | 13 | 6.73 | 1.9* | 25 | 24.06 | 1.0 |
| Esophagus | 0 | 0.07 | 0.0 | 0 | 0.19 | 0.0 | 0 | 0.13 | 0.0 | 0 | 0.15 | 0.0 | 0 | 0.54 | 0.0 |
| Stomach | 0 | 0.40 | 0.0 | 0 | 1.04 | 0.0 | 1 | 0.67 | 1.5 | 2 | 0.79 | 2.5 | 3 | 2.91 | 1.0 |
| Colon | 2 | 1.47 | 1.4 | 5 | 4.06 | 1.2 | 1 | 2.73 | 0.4 | 3 | 3.27 | 0.9 | 11 | 11.52 | 1.0 |
| Rectum | 0 | 0.60 | 0.0 | 2 | 1.63 | 1.2 | 0 | 1.09 | 0.0 | 4 | 1.26 | 3.2 | 6 | 4.56 | 1.3 |
| Liver, biliary | 0 | 0.21 | 0.0 | 0 | 0.57 | 0.0 | 0 | 0.37 | 0.0 | 2 | 0.44 | 4.5 | 2 | 1.59 | 1.3 |
| Pancreas | 1 | 0.32 | 3.2 | 0 | 0.87 | 0.0 | 0 | 0.59 | 0.0 | 2 | 0.70 | 2.8 | 3 | 2.48 | 1.2 |
| Respiratory system | 0 | 0.64 | 0.0 | 6 | 1.81 | 3.3* | 1 | 1.24 | 0.8 | 3 | 1.42 | 2.1 | 10 | 5.10 | 2.0 |
| Nasal cavities, sinuses | 0 | 0.02 | 0.0 | 0 | 0.05 | 0.0 | 0 | 0.03 | 0.0 | 0 | 0.03 | 0.0 | 0 | 0.13 | 0.0 |
| Larynx | 0 | 0.04 | 0.0 | 0 | 0.10 | 0.0 | 0 | 0.07 | 0.0 | 0 | 0.08 | 0.0 | 0 | 0.28 | 0.0 |
| Trachea, bronchus, lung | 0 | 0.58 | 0.0 | 6 | 1.64 | 3.7* | 1 | 1.12 | 0.9 | 3 | 1.29 | 2.3 | 10 | 4.63 | 2.2* |
| Female breast | 3 | 2.60 | 1.2 | 8 | 7.13 | 1.1 | 6 | 4.74 | 1.3 | 6 | 5.18 | 1.2 | 23 | 19.64 | 1.2 |
| Female genital tract | 3 | 1.65 | 1.8 | 2 | 4.44 | 0.5 | 3 | 2.90 | 1.0 | 2 | 3.00 | 0.7 | 10 | 11.98 | 0.8 |
| Cervix uteri | 1 | 0.32 | 3.2 | 1 | 0.82 | 1.2 | 1 | 0.51 | 2.0 | 0 | 0.48 | 0.0 | 3 | 2.12 | 1.4 |
| Corpus uteri | 1 | 0.68 | 1.5 | 1 | 1.87 | 0.5 | 1 | 1.26 | 0.8 | 1 | 1.33 | 0.8 | 4 | 5.13 | 0.8 |
| Uterus, NOS | 1 | 0.11 | 8.9 | 0 | 0.27 | 0.0 | 1 | 0.16 | 6.2 | 0 | 0.16 | 0.0 | 2 | 0.70 | 2.8 |
| Ovary, fallopian tubes | 0 | 0.45 | 0.0 | 0 | 1.22 | 0.0 | 0 | 0.80 | 0.0 | 1 | 0.83 | 1.2 | 1 | 3.30 | 0.3 |
| Kidney, renal pelvis, ureter | 1 | 0.17 | 6.0 | 2 | 0.45 | 4.4 | 3 | 0.30 | 10.0* | 1 | 0.34 | 3.0 | 7 | 1.25 | 5.6* |
| Bladder, other urinary | 7 | 0.28 | 24.8* | 15 | 0.79 | 19.1* | 1 | 0.53 | 1.9 | 2 | 0.65 | 3.1 | 25 | 2.25 | 11.1* |
| Melanoma of the skin | 0 | 0.11 | 0.0 | 0 | 0.32 | 0.0 | 0 | 0.21 | 0.0 | 1 | 0.23 | 4.3 | 1 | 0.88 | 1.1 |
| Eye | 0 | 0.02 | 0.0 | 0 | 0.05 | 0.0 | 0 | 0.03 | 0.0 | 0 | 0.04 | 0.0 | 0 | 0.13 | 0.0 |
| Brain, central nervous system | 0 | 0.11 | 0.0 | 1 | 0.29 | 3.4 | 0 | 0.19 | 0.0 | 1 | 0.20 | 5.1 | 2 | 0.79 | 2.5 |
| Thyroid gland | 0 | 0.07 | 0.0 | 0 | 0.19 | 0.0 | 0 | 0.13 | 0.0 | 0 | 0.14 | 0.0 | 0 | 0.53 | 0.0 |
| Bone | 0 | 0.01 | 0.0 | 0 | 0.04 | 0.0 | 0 | 0.02 | 0.0 | 1 | 0.03 | 36.0 | 1 | 0.10 | 9.5 |
| Connective tissue | 0 | 0.04 | 0.0 | 1 | 0.12 | 8.5 | 0 | 0.08 | 0.0 | 0 | 0.09 | 0.0 | 1 | 0.32 | 3.1 |
| Lymphatic, hematopoietic system | 2 | 0.66 | 3.0 | 3 | 1.85 | 1.6 | 2 | 1.25 | 1.6 | 0 | 1.47 | 0.0 | 7 | 5.23 | 1.3 |
| Non-Hodgkin's lymphoma | 0 | 0.25 | 0.0 | 1 | 0.70 | 1.4 | 1 | 0.47 | 2.1 | 0 | 0.55 | 0.0 | 2 | 1.97 | 1.0 |
| Hodgkin's disease | 0 | 0.05 | 0.0 | 0 | 0.12 | 0.0 | 0 | 0.08 | 0.0 | 0 | 0.09 | 0.0 | 0 | 0.35 | 0.0 |
| Multiple myeloma | 2 | 0.12 | 17.3* | 0 | 0.33 | 0.0 | 0 | 0.23 | 0.0 | 0 | 0.27 | 0.0 | 2 | 0.94 | 2.1 |
| Leukemias | 0 | 0.25 | 0.0 | 2 | 0.70 | 2.9 | 1 | 0.46 | 2.2 | 0 | 0.56 | 0.0 | 3 | 1.96 | 1.5 |
| Chronic lymphocytic | 0 | 0.07 | 0.0 | 0 | 0.20 | 0.0 | 0 | 0.13 | 0.0 | 0 | 0.17 | 0.0 | 0 | 0.57 | 0.0 |
| Acute nonlymphocytic | 0 | 0.08 | 0.0 | 1 | 0.24 | 4.3 | 0 | 0.16 | 0.0 | 0 | 0.19 | 0.0 | 1 | 0.67 | 1.5 |

+ ICD-O codes = 189.0-189.2.

* P<.05.