



# Cancer Incidence Rates, 2013-2017 per 100,000 population by site and gender

## Vermont Cancer Registry

July 2020

| Male and Female      |                          |                          |                        |                        | Male                 |                          |                          |                        |                        | Female               |                          |                          |                        |                        |
|----------------------|--------------------------|--------------------------|------------------------|------------------------|----------------------|--------------------------|--------------------------|------------------------|------------------------|----------------------|--------------------------|--------------------------|------------------------|------------------------|
| Cancer Site          | U.S. Rate<br>(All Races) | N.E. Rate<br>(All Races) | VT Rate<br>(All Races) | VT Cases<br>(per year) | Cancer Site          | U.S. Rate<br>(All Races) | N.E. Rate<br>(All Races) | VT Rate<br>(All Races) | VT Cases<br>(per year) | Cancer Site          | U.S. Rate<br>(All Races) | N.E. Rate<br>(All Races) | VT Rate<br>(All Races) | VT Cases<br>(per year) |
| All Sites            | 440.6                    | 472.7                    | 453.3 ▲▼               | 3,757                  | All Sites            | 478.2                    | 510.1                    | 476.7 ▼                | 1,876                  | All Sites            | 415.8                    | 450.3                    | 439.8 ▲                | 1,881                  |
| Lung and Bronchus    | 56.4                     | 58.6                     | 60.9 ▲                 | 523                    | Prostate             | 103.0                    | 113.7                    | 86.9 ▼▼                | 382                    | Breast               | 125.2                    | 134.1                    | 131.2 ▲                | 553                    |
| Melanoma of the Skin | 22.3                     | 21.7                     | 37.5 ▲▲                | 301                    | Lung and Bronchus    | 65.0                     | 65.3                     | 67.6                   | 268                    | Lung and Bronchus    | 49.8                     | 54.0                     | 55.4 ▲                 | 255                    |
| Colon and Rectum     | 37.8                     | 38.2                     | 34.2 ▼▼                | 283                    | Melanoma of the Skin | 28.5                     | 27.5                     | 45.9 ▲▲                | 175                    | Uterus               | 26.8                     | 31.4                     | 34.1 ▲                 | 155                    |
| Urinary Bladder      | 19.8                     | 23.4                     | 23.3 ▲                 | 198                    | Urinary Bladder      | 34.3                     | 40.6                     | 38.7 ▲                 | 148                    | Colon and Rectum     | 33.2                     | 33.6                     | 32.3                   | 142                    |
| Non-Hodgkin Lymphoma | 19.1                     | 20.9                     | 20.2                   | 165                    | Colon and Rectum     | 43.2                     | 43.9                     | 36.5 ▼▼                | 141                    | Melanoma of the Skin | 17.7                     | 17.7                     | 31.1 ▲▲                | 126                    |
| Kidney               | 16.6                     | 16.5                     | 14.6 ▼▼                | 118                    | Non-Hodgkin Lymphoma | 23.0                     | 25.3                     | 25.1                   | 96                     | Thyroid              | 21.1                     | 28.1                     | 20.7 ▼                 | 69                     |
| Thyroid              | 14.3                     | 19.2                     | 14.3 ▼                 | 97                     | Kidney               | 22.5                     | 22.8                     | 19.9 ▼▲                | 76                     | Non-Hodgkin Lymphoma | 15.8                     | 17.5                     | 16.0                   | 70                     |
| Leukemia             | 13.9                     | 14.9                     | 12.1 ▼▼                | 96                     | Oral Cavity/Throat   | 17.8                     | 17.2                     | 18.0                   | 75                     | Urinary Bladder      | 8.5                      | 10.5                     | 10.8 ▲                 | 50                     |
| Oral Cavity/Throat   | 11.7                     | 11.5                     | 11.9                   | 101                    | Leukemia             | 17.7                     | 19.1                     | 15.9 ▼                 | 57                     | Ovary                | 10.7                     | 11.3                     | 10.1                   | 42                     |
| Pancreas             | 12.3                     | 13.4                     | 11.7 ▼                 | 100                    | Pancreas             | 14.1                     | 15.3                     | 14.1                   | 56                     | Pancreas             | 10.8                     | 11.8                     | 9.8 ▼                  | 45                     |
| Brain/Nervous System | 6.3                      | 6.7                      | 7.2                    | 52                     | Esophagus            | 7.6                      | 8.3                      | 9.9 ▲▲                 | 40                     | Kidney               | 11.5                     | 11.1                     | 9.8 ▼                  | 42                     |
| Esophagus            | 4.4                      | 4.8                      | 5.7 ▲▲                 | 50                     | Liver                | 12.1                     | 12.5                     | 8.4 ▼▼                 | 35                     | Leukemia             | 10.8                     | 11.6                     | 9.1 ▼▼                 | 38                     |
| Myeloma              | 6.7                      | 7.2                      | 5.6 ▼▼                 | 48                     | Brain/Nervous System | 7.4                      | 8.0                      | 8.1                    | 28                     | Brain/Nervous System | 5.3                      | 5.6                      | 6.5                    | 24                     |
| Stomach              | 6.4                      | 7.4                      | 5.6 ▼                  | 46                     | Thyroid              | 7.3                      | 9.9                      | 7.8 ▼                  | 28                     | Oral Cavity/Throat   | 6.4                      | 6.6                      | 6.2                    | 26                     |
| Liver                | 8.0                      | 7.9                      | 5.5 ▼▼                 | 48                     | Myeloma              | 8.3                      | 8.9                      | 7.5                    | 29                     | Cervix               | 7.6                      | 7.0                      | 4.3 ▼▼                 | 14                     |
| Larynx               | 3.2                      | 3.2                      | 3.3                    | 28                     | Stomach              | 8.7                      | 10.2                     | 7.5 ▼                  | 29                     | Stomach              | 4.5                      | 5.2                      | 4.0 ▼                  | 17                     |
| Hodgkin Lymphoma     | 2.6                      | 3.2                      | 2.8                    | 18                     | Testis               | 5.7                      | 6.1                      | 7.3 ▲                  | 22                     | Myeloma              | 5.5                      | 5.8                      | 3.9 ▼▼                 | 19                     |
|                      |                          |                          |                        |                        | Larynx               | 5.5                      | 5.6                      | 5.3                    | 22                     | Liver                | 4.3                      | 4.1                      | 2.8 ▼▼                 | 12                     |
|                      |                          |                          |                        |                        | Hodgkin Lymphoma     | 3.0                      | 3.5                      | 3.1                    | 10                     | Hodgkin Lymphoma     | 2.3                      | 2.9                      | 2.4                    | 8                      |
|                      |                          |                          |                        |                        |                      |                          |                          |                        |                        | Esophagus            | 1.7                      | 2.0                      | 2.1                    | 10                     |
|                      |                          |                          |                        |                        |                      |                          |                          |                        |                        | Larynx               | 1.2                      | 1.3                      | 1.5                    | 6                      |

▲ Statistically higher than the U.S. rate.    ▲ Statistically higher than the N.E. rate.  
▼ Statistically lower than the U.S. rate.    ▼ Statistically lower than the N.E. rate.

**TECHNICAL NOTES:** All rates are age adjusted to the 2000 U.S. standard population and exclude basal cell and squamous cell skin cancers. Incidence rates exclude in situ carcinomas except urinary bladder. Incidence data were coded using the International Classification of Disease for Oncology (ICD-O) coding system. Vermont cases include Vermont residents only. The Vermont and U.S. incidence rates are based on the Vermont Cancer Registry, Vermont Department of Health (1994-2017) and the NPCR and SEER Incidence - U.S. Cancer Statistics Public Use Database, Nov 2018 submission (2001-2017). Northeast Region (N.E.) includes Connecticut, Maine, Massachusetts, New Hampshire, New York, Pennsylvania, Rhode Island, and Vermont.. A reporting delay by Department of Veterans Affairs (VA) has resulted in incomplete reporting of VA hospital cases in 2011-2014, 2016 and 2017.

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# Cancer Mortality Rates, 2013-2017 per 100,000 population by site and gender

## Vermont Cancer Registry

July 2020

| Male and Female      |                          |                          |                        |                         | Male                 |                          |                          |                        |                         | Female               |                          |                          |                        |                         |
|----------------------|--------------------------|--------------------------|------------------------|-------------------------|----------------------|--------------------------|--------------------------|------------------------|-------------------------|----------------------|--------------------------|--------------------------|------------------------|-------------------------|
| Cancer Site          | U.S. Rate<br>(All Races) | N.E. Rate<br>(All Races) | VT Rate<br>(All Races) | VT Deaths<br>(per year) | Cancer Site          | U.S. Rate<br>(All Races) | N.E. Rate<br>(All Races) | VT Rate<br>(All Races) | VT Deaths<br>(per year) | Cancer Site          | U.S. Rate<br>(All Races) | N.E. Rate<br>(All Races) | VT Rate<br>(All Races) | VT Deaths<br>(per year) |
| All Sites            | 158.3                    | 155.3                    | 164.5 ▲▲               | 1,382                   | All Sites            | 189.5                    | 185.1                    | 196.3 ▲                | 736                     | All Sites            | 135.7                    | 134.8                    | 140.9 ▲                | 646                     |
| Lung and Bronchus    | 40.2                     | 38.7                     | 43.0 ▲▲                | 368                     | Lung and Bronchus    | 49.3                     | 46.6                     | 50.0                   | 194                     | Lung and Bronchus    | 33.2                     | 33.0                     | 37.4 ▲▲                | 174                     |
| Colon and Rectum     | 13.9                     | 13.3                     | 14.8 ▲                 | 123                     | Prostate             | 19.1                     | 18.4                     | 19.4                   | 67                      | Breast               | 20.3                     | 19.4                     | 17.7 ▼                 | 80                      |
| Pancreas             | 11.0                     | 11.3                     | 10.6                   | 91                      | Colon and Rectum     | 16.6                     | 15.7                     | 16.2                   | 61                      | Colon and Rectum     | 11.8                     | 11.4                     | 13.6 ▲▲                | 62                      |
| Leukemia             | 6.4                      | 6.3                      | 6.2                    | 51                      | Pancreas             | 12.7                     | 13.1                     | 12.1                   | 47                      | Pancreas             | 9.6                      | 9.9                      | 9.5                    | 44                      |
| Non-Hodgkin Lymphoma | 5.5                      | 5.5                      | 5.9                    | 47                      | Leukemia             | 8.6                      | 8.4                      | 8.9                    | 32                      | Ovary                | 6.9                      | 7.0                      | 6.7                    | 30                      |
| Brain/Nervous System | 4.4                      | 4.3                      | 5.7 ▲▲                 | 46                      | Urinary Bladder      | 7.5                      | 8.0                      | 8.9                    | 31                      | Uterus               | 4.8                      | 5.5                      | 5.1                    | 24                      |
| Urinary Bladder      | 4.4                      | 4.6                      | 5.5 ▲▲                 | 45                      | Esophagus            | 7.0                      | 7.5                      | 8.7 ▲                  | 35                      | Brain/Nervous System | 3.6                      | 3.5                      | 5.0 ▲▲                 | 21                      |
| Esophagus            | 3.9                      | 4.2                      | 4.9 ▲                  | 43                      | Non-Hodgkin Lymphoma | 7.1                      | 7.2                      | 7.8                    | 27                      | Non-Hodgkin Lymphoma | 4.2                      | 4.3                      | 4.5                    | 20                      |
| Liver                | 6.6                      | 6.1                      | 4.5 ▼▼                 | 40                      | Brain/Nervous System | 5.4                      | 5.3                      | 6.7 ▲▲                 | 25                      | Leukemia             | 4.8                      | 4.7                      | 4.2                    | 20                      |
| Kidney               | 3.7                      | 3.2                      | 3.5                    | 30                      | Liver                | 9.6                      | 9.2                      | 6.3 ▼▼                 | 26                      | Urinary Bladder      | 2.1                      | 2.3                      | 3.1 ▲                  | 14                      |
| Myeloma              | 3.3                      | 3.1                      | 3.2                    | 27                      | Kidney               | 5.4                      | 4.8                      | 5.4                    | 21                      | Liver                | 4.0                      | 3.6                      | 2.9 ▼                  | 13                      |
| Oral Cavity/Throat   | 2.5                      | 2.2                      | 3.0 ▲                  | 26                      | Oral Cavity/Throat   | 3.9                      | 3.5                      | 4.4                    | 18                      | Myeloma              | 2.6                      | 2.5                      | 2.2                    | 11                      |
| Melanoma of the Skin | 2.4                      | 2.2                      | 2.5                    | 20                      | Myeloma              | 4.1                      | 3.9                      | 4.4                    | 17                      | Kidney               | 2.3                      | 2.0                      | 2.0                    | 10                      |
| Stomach              | 3.1                      | 3.1                      | 2.4 ▼▼                 | 20                      | Stomach              | 4.1                      | 4.3                      | 4.0                    | 14                      | Esophagus            | 1.4                      | 1.6                      | 1.7                    | 8                       |
| Larynx               | 1.0                      | 1.0                      | 0.8                    | 7                       | Melanoma of the Skin | 3.5                      | 3.3                      | 3.5                    | 13                      | Oral Cavity/Throat   | 1.3                      | 1.2                      | 1.7                    | 8                       |
| Thyroid              | 0.5                      | 0.5                      | 0.6                    | 5                       | Larynx               | 1.7                      | 1.7                      | 1.3                    | 5                       | Melanoma of the Skin | 1.5                      | 1.5                      | 1.6                    | 7                       |
| Hodgkin Lymphoma     | 0.3                      | 0.3                      | 0.3                    | 2                       | Thyroid              | 0.5                      | 0.5                      | 0.7                    | 3                       | Stomach              | 2.2                      | 2.2                      | 1.1 ▼▼                 | 6                       |
|                      |                          |                          |                        |                         | Hodgkin Lymphoma     | 0.4                      | 0.3                      | 0.4                    | 1                       | Cervix Uteri         | 2.3                      | 1.9                      | 1.1 ▼▼                 | 4                       |
|                      |                          |                          |                        |                         | Testis               | 0.3                      | 0.2                      | --                     | <1                      | Thyroid              | 0.5                      | 0.5                      | 0.5                    | 3                       |
|                      |                          |                          |                        |                         |                      |                          |                          |                        |                         | Larynx               | 0.4                      | 0.4                      | 0.4                    | 2                       |
|                      |                          |                          |                        |                         |                      |                          |                          |                        |                         | Hodgkin Lymphoma     | 0.2                      | 0.2                      | --                     | <1                      |

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▼ Statistically lower than the U.S. rate. ▼ Statistically lower than the N.E. rate.

**TECHNICAL NOTES:** All rates are age adjusted to the 2000 U.S. standard population and exclude basal cell and squamous cell skin cancers. Mortality data were coded using the International Classification of Disease Tenth Revision (ICD-10) coding system. Vermont deaths include Vermont residents only. -- Rates based on 5 or fewer deaths are not individually calculated. The Vermont and the U.S. mortality rates are based on the Vermont Vital Statistics System, Vermont Department of Health (1994-2017) and the SEER Program Mortality - Aggregated Total U.S. (1990-2017). Northeast Region (N.E.) includes Connecticut, Maine, Massachusetts, New Hampshire, New York, Pennsylvania, Rhode Island, and Vermont.

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