

362,557
people living in Ontario with a cancer diagnosis within the previous 10 years

## 5 <br> Prevalence

## There are more people in Ontario living with a diagnosis of cancer today then there were 20 years ago.

The number of people previously diagnosed with a malignant cancer who are alive at a given point in time is known as the prevalence. Cancer prevalence is a function of the incidence of and survival from cancer. As both incidence and survival rates have been increasing in Ontario, prevalence over time has also been increasing.

Trends in cancer prevalence reflect the increase, decrease or stability of cancer rates in the population. As a result, they can be used to help determine the allocation of diagnostic, treatment and care resources.'

This chapter presents limited-duration, person-based prevalence. Limited-duration cancer prevalence describes the number of people alive on a certain date (the index date) who were diagnosed with cancer within a specified previous number of years (e.g., two, five or 10 years). In this report, the index date is January 1, 2013.

Cancer cases diagnosed in the previous 10 years represent the greatest impact on the healthcare system. In the first two years after diagnosis, healthcare services used would likely include primary treatment. During the next three years, services would include close clinical assessment for recurrence. In the final five years after diagnosis, the use of healthcare services would consist mainly of follow-up.

## Prevalence by cancer type and sex

As of January 1, 2013, there were an estimated 362,557 people living in Ontario (about 2.7\% of the population) who had been diagnosed with cancer within the previous 10 years. The split between the sexes was fairly even: $49.3 \%$ of prevalent cases were male and $50.7 \%$ were female.

Among males, those diagnosed with prostate cancer (75,945 cases) formed the largest proportion of 10-year prevalent cases (Figure 5.1), which reflects the high incidence and survival for this cancer. Colorectal cancer $(24,065)$ was the second most prevalent cancer among males, followed by melanoma $(9,572)$ and non-Hodgkin lymphoma $(9,083)$.

Among females, those diagnosed with breast cancer $(67,779)$ formed the largest proportion of 10-year prevalent cases. Like prostate cancer, the high prevalence of breast cancer
reflects both high incidence and high survival. As with males, colorectal cancer $(20,494)$ was the second most prevalent cancer. The next most prevalent cancers in females were thyroid $(17,180)$ and uterus $(14,930)$.

For both males and females, lung cancer was not among the four most prevalent cancers despite being the second most commonly diagnosed cancer for each sex in 2012. This reflects the low survival ratios for lung cancer. As a result, less commonly diagnosed cancers (melanoma and non-Hodgkin lymphoma in males and thyroid and uterus in females) were more prevalent in the population.

Figure 5.1 Distribution of 10-year prevalence, by cancer type and sex, Ontario, January 1, 2013


Note: Prevalence counts: males $n=178,825$; females $n=183,732$.
Analysis by: Surveillance, Analytics and Informatics, CCO
Data source: CCO SEER*Stat Package Release 10-OCR (August 2015)

## Prostate, female breast and colorectal cancers had the highest 10-year prevalence.

There were some notable differences in 10-year prevalence between the sexes:

- Bladder cancer accounted for 8,951 prevalent cases among males and 2,794 among females. The higher prevalence of bladder cancer in males is in part due to the higher incidence rate in males (ASIR of 58.2 per 100,000 in 2012) compared to females (ASIR of 16.0 per 100,000). Males also have higher relative survival compared to females.
- The prevalence of head and neck cancers was higher among males than among females. Oral cavity and pharynx cancer accounted for 5,999 prevalent cases among males compared to 3,062 among females, while there were 1,945 prevalent cases of laryngeal cancer among males and 374 among females. Like bladder cancer, the incidence rates for oral cavity and laryngeal cancers are higher among males than females.
- On the other hand, thyroid cancer was more prevalent among females $(17,180)$ than among males $(4,439)$. Thyroid cancer incidence and survival is higher among females than males, resulting in more prevalent cases among females.


Number of prevalent cases (Females)

## Prevalence by age group

The vast majority (80.1\%) of 10-year prevalent cases were in people over the age of 50 at diagnosis. The most prevalent age group was 60 to 69 years at diagnosis, with $28.0 \%$ of all prevalent cases occurring in this age group. Cancer prevalence was low in children and adolescents, with only $1.3 \%$ of prevalent cases diagnosed in people younger than 20 years of age, reflecting the low incidence of cancer in this age group.

Between the sexes, there were some notable differences in 10-year prevalence (Figure 5.2):

- While the age group with the most prevalent cases for both sexes was 60 to 69 years, a larger percentage of prevalent cases was found among males in this age group at 32.5\% than among females at $23.6 \%$.
- Prevalent cases were more likely to have been diagnosed at younger ages among females than males. For males, 6.1\% of 10-year prevalent cases were diagnosed in people under the age of 40 . For females, $10.1 \%$ were diagnosed in this age group. In addition, 33.2\% of cases were diagnosed after the age of 70 among males compared to $27.0 \%$ of cases among females. This is likely due to the high prevalence of breast cancer in females, which has a wide age distribution at diagnosis, and the high prevalence of prostate cancer in males, which is more commonly diagnosed at older ages.

Figure 5.2 Distribution of 10-year prevalence, by sex and age group, Ontario, January 1, 2013


Analysis by: Surveillance, Analytics and Informatics, CCO
Data source: CCO SEER*Stat Package Release 10—OCR (August 2015)

## Peak age (in years) for 10-year cancer prevalence proportions



Among male adults, significant increases with advancing age in 10-year prevalence proportions were seen for all cancers except for Hodgkin lymphoma and testicular, brain and thyroid cancers (Table 5.1).

- For Hodgkin lymphoma and testicular cancer, which both peaked in the youngest age group ( 20 to 39 years of age), 10-year prevalence proportions decreased significantly with increasing age.
- The 10-year prevalence proportion for brain cancer peaked in people 50 to 59 years of age and then decreased in the older age groups, while the proportion for thyroid cancer peaked among people 60 to 69 years of age.

Among female adults, 10-year prevalence proportions increased significantly with increasing age for all cancers except brain, breast, cervix, Hodgkin lymphoma, ovary, thyroid and uterus (Table 5.1).

- As with males, the 10-year prevalence proportion for Hodgkin lymphoma decreased significantly with increasing age, peaking in the youngest age group (people 20 to 39 years of age).
- Prevalence proportions for breast and ovarian cancers increased with age group, peaking in those 70 to 79 years of age and decreasing in those 80 years of age and older.
- The uterine cancer prevalence proportion peaked in women 60 to 69 years of age and then decreased among women in older age groups.
- Cervical and thyroid cancers peaked among women 40 to 49 years of age and then decreased in women in older age groups.


## Prevalence by duration

Among people alive on January 1, 2013, the 10-year prevalence proportion was 2,689.5 per 100,000 (Table 5.3). The five-year prevalence proportion was 1,646.8 per 100,000 and the two-year prevalence proportion was 786.9 per 100,000. For all cancers combined, the split between males and females was relatively even in each duration period.

- Prostate cancer (1,147.0 per 100,000) and female breast cancer ( 988.2 per 100,000) accounted for almost $40 \%$ of all 10-year prevalent cancers. The relative contribution of both female breast and prostate cancers decreased with shorter prevalence periods. Prostate cancer made up 16.4\% and female breast cancer accounted for 16.2\% of two-year prevalent cases.
- Lung cancer, on the other hand, accounted for a greater proportion of prevalent cases as the prevalence duration shortened. At 135.9 per 100,000 lung cancer accounted for 5.1\% of 10-year prevalent cases compared to 8.3\% of twoyear prevalent cases ( 65.7 per 100,000).

- In comparison, colorectal cancer contributed a fairly equal proportion of prevalent cases regardless of the prevalence duration. It accounted for $12.3 \%, 12.6 \%$ and $12.3 \%$ of all prevalent cases in each duration period, respectively.

Number of 10-year prevalent cases for selected cancers, January 1, 2013


## Prevalence over time

The 10-year prevalence proportion of cancer in Ontario has increased over time. For all cancers combined, the prevalence proportion per 100,000 people was 1,677.9 in 1992, 2,161.8 in 2002 and 2,689.5 in 2012. There was an increase of 24.4\% between 1992 and 2002 and of $28.8 \%$ between 2002 and 2012
(Table 5.4). As these rates are not age-standardized, part of this increase is likely due to an aging population and population growth rather than just increased incidence rates or survival.

Between 1992 and 2002, males (37.0\%) had a greater increase in 10 -year cancer prevalence than did females (21.9\%). The gap narrowed between 2002 and 2012 to a $26.3 \%$ increase for males and a $22.6 \%$ increase for females.

Over time, 10-year prevalence proportions increased for most cancers. The greatest increases were for thyroid and liver cancers:

- Thyroid cancer increased by $102.2 \%$ between 1992 and 2002 and by $125.5 \%$ between 2002 and 2012.
- Liver cancer increased by $143.2 \%$ between 1992 and 2002 and by $100.7 \%$ between 2002 and 2012.

While the prevalence proportion of most cancers increased between 1992 and 2012, for some cancer types it decreased over the same time period:

- The prevalence proportion for laryngeal cancer for both sexes combined decreased by $17.4 \%$ between 1992 and 2002 and by $9.6 \%$ between 2002 and 2012. The decrease was greater for females than males.
- The prevalence proportion for cervical cancer decreased by $7.8 \%$ between 1992 and 2002 and by $8.0 \%$ between 2002 and 2012. This probably reflects the significant decreases in cervical cancer incidence over this time period.
- The prevalence proportion for bladder cancer decreased by $10.3 \%$ between 1992 and 2002 and increased by $0.6 \%$ between 2002 and 2012. While the prevalence proportion increased for both sexes combined between 2002 and 2012, it decreased by $6.2 \%$ among females.
- The prevalence proportion for Hodgkin lymphoma increased by $1.9 \%$ between 1992 and 2002 before it decreased by 3.2\% between 2002 and 2012.
- The prevalence proportion for oral cavity and pharynx cancer decreased by 3.1\% between 1992 and 2002, and then increased by 22.0\% between 2002 and 2012. The decrease between 1992 and 2002, however, was only among males and not females.



## While the prevalence proportions of most cancers increased between 1992 and 2012, some cancer types decreased over the same time period.

There were some notable differences in the prevalence of lung cancer between males and females over time. The male prevalence proportion decreased by 5.2\% between 1992 and 2002, and then increased by 7.4\% between 2002 and 2012. In comparison, the prevalence proportion among females increased by $30.1 \%$ between 1992 and 2002 and by $36.9 \%$ between 2002 and 2012. This greater increase among females probably reflects differing historical smoking rates between men and women. The male lung cancer incidence rate has been stable or decreasing since 1981 while the female rate has been increasing over the same time period, resulting in increased prevalence among females.

The prevalence of esophageal cancer also varied by sex. Male prevalence proportions increased by of 29.2\% between 1992 and 2002 followed by an increase of 54.2\% between 2002 and 2012. Female proportions also increased, but the level of increase was smaller at 4.6\% between 1992 and 2002 and 14.3\% between 2002 and 2012.

## Lung cancer prevalence

 proportions, 2002-2012
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## REFERENCES

[^0]Table 5.1 Ten-year prevalence proportions (per 100,000), by age group, cancer type and sex, Ontario, January 1, 2013

| Cancer type | Males |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Age group (years) |  |  |  |  |  |  |
|  | All ages | 20-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80+ |
| All cancers ${ }^{\dagger}$ | 2700.7 | 482.2 | 1,393.7 | 3,821.2 | 8,595.9 | 11,596.9 | 7,507.0 |
| Bladder ${ }^{+}$ | 131.9 | 5.3 | 37.7 | 132.2 | 377.2 | 784.9 | 768.3 |
| Brain | 27.4 | 24.6 | 31.6 | 34.5 | 33.5 | 29.2 | 17.8 |
| Colorectal ${ }^{+}$ | 363.4 | 30.5 | 163.4 | 488.5 | 1,090.7 | 1,777.5 | 1,388.1 |
| Esophagus ${ }^{\dagger}$ | 16.7 | 0.7 | 8.5 | 26.0 | 54.1 | 73.3 | 49.7 |
| Hodgkin lymphoma ${ }^{\ddagger}$ | 24.0 | 36.1 | 28.3 | 17.3 | 19.5 | 17.7 | 3.9 |
| Kidney ${ }^{+}$ | 104.4 | 16.8 | 106.5 | 178.7 | 275.2 | 328.0 | 186.7 |
| Larynx ${ }^{+}$ | 29.4 | 1.1 | 12.9 | 48.5 | 95.3 | 129.2 | 83.4 |
| Leukemia ${ }^{\dagger}$ | 97.6 | 22.1 | 62.5 | 127.1 | 231.7 | 328.0 | 315.9 |
| Liver ${ }^{\dagger}$ | 23.3 | 2.1 | 14.4 | 48.6 | 65.0 | 80.6 | 42.0 |
| Lung ${ }^{+}$ | 127.6 | 5.4 | 37.2 | 136.8 | 403.3 | 735.8 | 515.1 |
| Melanoma ${ }^{\dagger}$ | 144.6 | 48.8 | 126.8 | 208.7 | 348.5 | 510.4 | 484.2 |
| Myeloma ${ }^{\dagger}$ | 33.4 | 2.2 | 19.7 | 45.5 | 96.5 | 155.8 | 132.6 |
| Non-Hodgkin lymphoma ${ }^{\dagger}$ | 137.2 | 44.0 | 120.0 | 198.6 | 342.1 | 470.7 | 368.5 |
| Oral cavity and pharynx ${ }^{+}$ | 90.6 | 16.9 | 98.2 | 184.2 | 238.8 | 239.0 | 176.5 |
| Pancreas ${ }^{\dagger}$ | 15.7 | 2.7 | 10.1 | 23.2 | 46.9 | 67.1 | 38.1 |
| Prostate ${ }^{+}$ | 1147.0 | 1.3 | 197.5 | 1,614.4 | 4,577.6 | 5,590.2 | 2,539.8 |
| Stomach ${ }^{+}$ | 34.8 | 3.4 | 21.8 | 42.6 | 100.8 | 165.2 | 137.5 |
| Testis ${ }^{\ddagger}$ | 51.6 | 119.1 | 73.0 | 26.0 | 10.1 | 7.0 | 5.3 |
| Thyroid | 67.0 | 52.3 | 109.6 | 110.0 | 114.8 | 102.5 | 39.5 |

${ }^{+}$Statisically significant increasing trend in prevalence proportions across age groups
*Statistically significant decreasing trend in prevalence proportions across age groups
Analysis by: Surveillance, Analytics and Informatics, CCO
Data source: CCO SEER*Stat Package Release 10-OCR (August 2015)

Table $5.1 \quad$ (Cont'd) Ten-year prevalence proportions (per 100,000), by age group, cancer type and sex, Ontario, January 1, 2013

## Females

| Cancer type | Females |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Age group (years) |  |  |  |  |  |  |
|  | All ages | 20-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80+ |
| All cancers ${ }^{+}$ | 2,678.7 | 898.5 | 2976.6 | 4341.6 | 5970.3 | 7348.0 | 4996.7 |
| Bladder ${ }^{\dagger}$ | 40.7 | 2.6 | 10.8 | 39.0 | 90.1 | 183.1 | 163.7 |
| Brain | 23.2 | 20.7 | 28.1 | 26.4 | 28.5 | 29.4 | 17.1 |
| Breast (female) | 988.2 | 19.6 | 129.2 | 179.0 | 232.0 | 247.6 | 154.1 |
| Cervix | 61.3 | 7.9 | 12.4 | 7.6 | 6.3 | 4.7 | 2.3 |
| Colorectal ${ }^{+}$ | 298.8 | 27.0 | 161.1 | 369.0 | 697.6 | 1276.8 | 1140.9 |
| Esophagus ${ }^{\dagger}$ | 5.4 | 0.4 | 2.5 | 8.1 | 13.9 | 21.8 | 17.1 |
| Hodgkin lymphoma ${ }^{\ddagger}$ | 20.2 | 36.4 | 17.6 | 13.6 | 12.5 | 15.6 | 6.8 |
| Kidney ${ }^{+}$ | 61.9 | 13.4 | 55.1 | 110.0 | 151.7 | 208.5 | 111.5 |
| Larynx ${ }^{+}$ | 5.5 | 0.9 | 2.4 | 8.9 | 16.2 | 19.8 | 10.3 |
| Leukemia ${ }^{+}$ | 68.7 | 18.6 | 45.1 | 75.9 | 132.7 | 221.2 | 192.6 |
| Liver ${ }^{\dagger}$ | 8.8 | 1.5 | 6.1 | 13.5 | 20.3 | 30.3 | 21.5 |
| Lung ${ }^{+}$ | 143.8 | 7.3 | 56.4 | 186.7 | 440.7 | 649.1 | 345.4 |
| Melanoma ${ }^{+}$ | 133.1 | 80.8 | 168.7 | 196.1 | 237.0 | 289.3 | 264.9 |
| Myeloma ${ }^{+}$ | 26.5 | 1.5 | 15.5 | 34.5 | 65.0 | 110.7 | 92.3 |
| Non-Hodgkin lymphoma ${ }^{+}$ | 118.3 | 33.5 | 93.9 | 170.7 | 281.3 | 397.4 | 260.8 |
| Oral cavity and pharynx ${ }^{+}$ | 44.6 | 13.1 | 43.3 | 75.5 | 93.8 | 133.0 | 93.2 |
| Ovary | 78.6 | 32.0 | 106.0 | 138.5 | 165.0 | 171.5 | 85.0 |
| Pancreas ${ }^{\dagger}$ | 15.1 | 2.4 | 10.3 | 20.7 | 43.6 | 52.6 | 33.9 |
| Stomach ${ }^{\dagger}$ | 21.1 | 4.5 | 15.1 | 25.6 | 48.2 | 85.1 | 64.0 |
| Thyroid | 250.5 | 260.2 | 467.2 | 397.8 | 309.4 | 223.0 | 65.5 |
| Uterus | 217.7 | 21.3 | 153.3 | 472.2 | 662.7 | 564.7 | 259.9 |

+Statisically significant increasing trend in prevalence proportions across age groups
₹Statistically significant decreasing trend in prevalence proportions across age groups
Analysis by: Surveillance, Analytics and Informatics, CCO
Data source: CCO SEER*Stat Package Release 10—OCR (August 2015)

|  | 10-year prevalence |  |  | 5-year prevalence |  |  | 2-year prevalence |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total | Males | Females | Total | Males | Females | Total | Males | Females |
| All cancers | 362,557 | 178,825 | 183,732 | 221,988 | 109,701 | 112,287 | 106,073 | 52,599 | 53,474 |
| Bladder | 11,745 | 8,951 | 2,794 | 7,268 | 5,601 | 1,667 | 3,484 | 2,673 | 811 |
| Brain | 3,409 | 1,816 | 1,593 | 2,242 | 1,208 | 1,034 | 1,261 | 683 | 578 |
| Breast (female) | 67,779 | - | 67,779 | 39,014 | - | 39,014 | 17,181 | - | 17,181 |
| Cervix | 4,208 | - | 4,208 | 2,390 | - | 2,390 | 1,078 | - | 1,078 |
| Colorectal | 44,559 | 24,065 | 20,494 | 27,886 | 15,193 | 12,693 | 13,039 | 7,138 | 5,901 |
| Esophagus | 1,478 | 1,106 | 372 | 1,145 | 878 | 267 | 768 | 590 | 178 |
| Hodgkin lymphoma | 2,975 | 1,587 | 1,388 | 1,591 | 852 | 739 | 679 | 379 | 300 |
| Kidney | 10,954 | 6,711 | 4,243 | 6,812 | 4,263 | 2,549 | 3,200 | 2,037 | 1,163 |
| Larynx | 2,319 | 1,945 | 374 | 1,367 | 1,154 | 213 | 646 | 534 | 112 |
| Leukemia | 11,175 | 6,460 | 4,715 | 6,986 | 4,081 | 2,905 | 3,297 | 1,936 | 1,361 |
| Liver | 2,143 | 1,540 | 603 | 1,591 | 1,129 | 462 | 951 | 651 | 300 |
| Lung | 18,314 | 8,450 | 9,864 | 13,904 | 6,480 | 7,424 | 8,851 | 4,225 | 4,626 |
| Melanoma | 18,704 | 9,572 | 9,132 | 11,216 | 5,929 | 5,287 | 5,011 | 2,691 | 2,320 |
| Myeloma | 4,029 | 2,214 | 1,815 | 2,907 | 1,612 | 1,295 | 1,651 | 910 | 741 |
| Non-Hodgkin lymphoma | 17,198 | 9,083 | 8,115 | 10,782 | 5,802 | 4,980 | 5,251 | 2,853 | 2,398 |
| Oral cavity and pharynx | 9,061 | 5,999 | 3,062 | 5,721 | 3,863 | 1,858 | 2,883 | 1,998 | 885 |
| Ovary | 5,393 | - | 5,393 | 3,390 | - | 3,390 | 1,659 | - | 1,659 |
| Pancreas | 2,071 | 1,037 | 1,034 | 1,639 | 836 | 803 | 1,138 | 593 | 545 |
| Prostate | 75,945 | 75,945 | - | 41,917 | 41,917 | - | 17,420 | 17,420 | - |
| Stomach | 3,751 | 2,304 | 1,447 | 2,599 | 1,635 | 964 | 1,505 | 972 | 533 |
| Testis | 3,418 | 3,418 | - | 1,829 | 1,829 | - | 784 | 784 | - |
| Thyroid | 21,619 | 4,439 | 17,180 | 12,997 | 2,776 | 10,221 | 6,113 | 1,419 | 4,694 |
| Uterus | 14,930 | - | 14,930 | 9,212 | - | 9,212 | 4,371 | - | 4,371 |

Analysis by: Surveillance, Analytics and Informatics, CCO
Data source: CCO SEER*Stat Package Release 10—OCR (August 2015)

| Table 5.3 | Prevalence proportions (per 100,000), by duration, cancer type and sex, Ontario, January 1, 2013 |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 10-year prevalence |  |  | 5-year prevalence |  |  | 2-year prevalence |  |  |
|  | Total | Males | Females | Total | Males | Females | Total | Males | Females |
| All cancers | 2,689.5 | 2,700.8 | 2,678.7 | 1,646.8 | 1,656.8 | 1,637.1 | 786.9 | 794.4 | 779.6 |
| Bladder | 87.1 | 135.2 | 40.7 | 53.9 | 84.6 | 24.3 | 25.8 | 40.4 | 11.8 |
| Brain | 25.3 | 27.4 | 23.2 | 16.6 | 18.2 | 15.1 | 9.4 | 10.3 | 8.4 |
| Breast (female) | 988.2 | - | 988.2 | 568.8 | - | 568.8 | 250.5 | - | 250.5 |
| Cervix | 61.3 | - | 61.3 | 34.8 | - | 34.8 | 15.7 | - | 15.7 |
| Colorectal | 330.5 | 363.5 | 298.8 | 206.9 | 229.5 | 185.1 | 96.7 | 107.8 | 86.0 |
| Esophagus | 11.0 | 16.7 | 5.4 | 8.5 | 13.3 | 3.9 | 5.7 | 8.9 | 2.6 |
| Hodgkin lymphoma | 22.1 | 24.0 | 20.2 | 11.8 | 12.9 | 10.8 | 5.0 | 5.7 | 4.4 |
| Kidney | 81.3 | 101.4 | 61.9 | 50.5 | 64.4 | 37.2 | 23.7 | 30.8 | 17.0 |
| Larynx | 17.2 | 29.4 | 5.5 | 10.1 | 17.4 | 3.1 | 4.8 | 8.1 | 1.6 |
| Leukemia | 82.9 | 97.6 | 68.7 | 51.8 | 61.6 | 42.4 | 24.5 | 29.2 | 19.8 |
| Liver | 15.9 | 23.3 | 8.8 | 11.8 | 17.1 | 6.7 | 7.1 | 9.8 | 4.4 |
| Lung | 135.9 | 127.6 | 143.8 | 103.1 | 97.9 | 108.2 | 65.7 | 63.8 | 67.4 |
| Melanoma | 138.8 | 144.6 | 133.1 | 83.2 | 89.5 | 77.1 | 37.2 | 40.6 | 33.8 |
| Myeloma | 29.9 | 33.4 | 26.5 | 21.6 | 24.3 | 18.9 | 12.2 | 13.7 | 10.8 |
| Non-Hodgkin lymphoma | 127.6 | 137.2 | 118.3 | 80.0 | 87.6 | 72.6 | 39.0 | 43.1 | 35.0 |
| Oral cavity and pharynx | 67.2 | 90.6 | 44.6 | 42.4 | 58.3 | 27.1 | 21.4 | 30.2 | 12.9 |
| Ovary | 78.6 | - | 78.6 | 49.4 | - | 49.4 | 24.2 | - | 24.2 |
| Pancreas | 15.4 | 15.7 | 15.1 | 12.2 | 12.6 | 11.7 | 8.4 | 9.0 | 7.9 |
| Prostate | 1,147.0 | 1,147.0 | - | 633.1 | 633.1 | - | 263.1 | 263.1 | - |
| Stomach | 27.8 | 34.8 | 21.1 | 19.3 | 24.7 | 14.1 | 11.2 | 14.7 | 7.8 |
| Testis | 51.6 | 51.6 | - | 27.6 | 27.6 | - | 11.8 | 11.8 | - |
| Thyroid | 51.6 | 67.0 | 250.5 | 96.4 | 41.9 | 149.0 | 45.3 | 21.4 | 68.4 |
| Uterus | 217.7 | - | 217.7 | 134.3 | - | 134.3 | 63.7 | - | 63.7 |

Analysis by: Surveillance, Analytics and Informatics, CCO
Data source: CCO SEER*Stat Package Release 10—OCR (August 2015)

| Table 5.4 | ear pr rio, Jan | $\begin{aligned} & \text { nce pro } \\ & 1,1993 \end{aligned}$ | ns (pe ary 1,2 | 0,000), I <br> Janua | $\begin{aligned} & \text { e peric } \\ & 013 \end{aligned}$ | cer | I sex, |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1992 |  |  | 2002 |  |  | 2012 |  |  |
|  | Total | Males | Females | Total | Males | Females | Total | Males | Females |
| All cancers | 1,677.9 | 1,561.0 | 1,792.1 | 2,161.8 | 2,137.8 | 2,185.4 | 2,689.5 | 2,700.8 | 2,678.7 |
| Bladder | 96.5 | 144.5 | 49.5 | 86.6 | 130.8 | 43.4 | 87.1 | 135.2 | 40.7 |
| Brain | 21.4 | 22.8 | 20.0 | 22.8 | 24.1 | 21.6 | 25.3 | 27.4 | 23.2 |
| Breast (female) | 671.2 | - | 671.2 | 872.9 | - | 872.9 | 988.2 | - | 988.2 |
| Cervix | 72.7 | - | 72.7 | 67.1 | - | 67.1 | 61.3 | - | 61.3 |
| Colorectal | 230.9 | 234.6 | 227.3 | 270.8 | 288.9 | 253.2 | 330.5 | 363.5 | 298.8 |
| Esophagus | 6.4 | 8.4 | 4.5 | 7.8 | 10.8 | 4.7 | 11.0 | 16.7 | 5.4 |
| Hodgkin lymphoma | 22.4 | 24.5 | 20.2 | 22.8 | 24.9 | 20.7 | 22.1 | 24.0 | 20.2 |
| Kidney | 40.6 | 48.1 | 33.2 | 55.6 | 66.4 | 45.1 | 81.3 | 101.4 | 61.9 |
| Larynx | 23.0 | 38.5 | 7.9 | 19.0 | 32.1 | 6.2 | 17.2 | 29.4 | 5.5 |
| Leukemia | 48.3 | 55.5 | 41.2 | 58.8 | 68.1 | 49.7 | 82.9 | 97.6 | 68.7 |
| Liver | 3.3 | 4.7 | 1.9 | 7.9 | 11.5 | 4.4 | 15.9 | 23.3 | 8.8 |
| Lung | 102.8 | 125.3 | 80.8 | 111.9 | 118.8 | 105.1 | 135.9 | 127.6 | 143.8 |
| Melanoma | 82.8 | 78.9 | 86.5 | 100.0 | 101.2 | 98.8 | 138.8 | 144.6 | 133.1 |
| Myeloma | 16.6 | 16.7 | 16.5 | 21.4 | 22.7 | 20.1 | 29.9 | 33.4 | 26.5 |
| Non-Hodgkin lymphoma | 65.8 | 69.4 | 62.3 | 90.3 | 92.6 | 88.0 | 127.6 | 137.2 | 118.3 |
| Oral cavity and pharynx | 56.8 | 76.8 | 37.3 | 55.1 | 73.1 | 37.5 | 67.2 | 90.6 | 44.6 |
| Ovary | 54.9 | - | 54.9 | 71.0 | - | 71.0 | 78.6 | - | 78.6 |
| Pancreas | 9.2 | 8.6 | 9.8 | 10.8 | 10.6 | 10.9 | 15.4 | 15.7 | 15.1 |
| Prostate | 426.5 | 426.5 | - | 864.6 | 864.6 | - | 1,147.0 | 1,147.0 | - |
| Stomach | 21.0 | 25.5 | 16.5 | 22.8 | 27.8 | 17.9 | 27.8 | 34.8 | 21.1 |
| Testis | 40.2 | 40.2 | - | 47.4 | 47.4 | - | 51.6 | 51.6 | - |
| Thyroid | 35.2 | 16.1 | 53.8 | 71.1 | 30.5 | 110.8 | 160.4 | 67.0 | 250.5 |
| Uterus | 150.4 | - | 150.4 | 160.2 | - | 160.2 | 217.7 | - | 217.7 |

Analysis by: Surveillance, Analytics and Informatics, CCO
Data source: CCO SEER*Stat Package Release 10—OCR (August 2015)


[^0]:    1. Micheli A, Mugno E, Krogh V, Quinn MJ, Coleman M, Hakulinen T, et al. Cancer prevalence in European registry areas. Ann Oncol. 2002; 13(6):840-65.
