

Cancer incidence, mortality, survival and prevalence in Norway

Special issue:

Yrke og kreft – forskning for forebygging Epidemiologiske studier om yrkesrelatert kreft ved Kreftregisteret 1970-2016

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General requests for cancer information, data or possible research collaborations are welcome, and should be sent to datautlevering@kreftregisteret.no

Cancer incidence, mortality, survival and prevalence in Norway

Special issue Yrke og kreft – forskning for forebygging Epidemiologiske studier om yrkesrelatert kreft ved Kreftregisteret 1970-2016:

Foreword

The number of cancer cases in Norway increases every year. This is primarily due to an aging population, not to an increase in the cancer rate per se. It is important to acknowledge this increase. Every case represents an individual as well as a family that are affected by the disease. An increase in the total number of cancers implies that more men and women will need cancer treatment, and thus escalates the burden on cancer care in our hospitals.

Over the next decade, the number of cancer cases is likely to continue increasing, in particular among individuals above 75. Old patients often have comorbidities that complicate the treatment. The main driver of cancer costs in Norway is in-hospital stays. The cancer costs will increase, even without new cancer drugs.

This issue of Cancer in Norway will be released 6 weeks earlier than that of last year. We are very pleased to present the 2015 numbers as early as October 2016. However, because we are dependent on multiple sources for our data, the numbers of some fatal cancers may be incomplete. This is in particular true for some pancreatic and lung cancer cases that never undergo a biopsy, and which we typically identify first from death certificates, and then, following inquiries, code according to clinical reports. We have not yet received all the death certificates for 2015, and the rate of lung and pancreatic cancers may therefore be slightly underestimated. Once the Cause of Death Registry becomes fully electronic, hopefully in 2017, our reporting may be complete earlier.

The lack of some death certificates means that we need to interpret some of the incidence rates with care. However, even if some lung cancers are missing, the numbers for 2015 appear to show a continued decline in the overall age-standardised rate for men. No such decline is yet visible in women. Although there are signs of downward trends for women under 60, there is still an alarming increase at higher age. We conclude that there is an urgent need to help and inspire adult women to stop smoking.

Colorectal cancer rates seem to be stable, but there have never been more colorectal cancer cases in Norway than in 2015. Colorectal cancer has recently been estimated to be the most expensive cancer to treat in Norway, costing approximately 1.6 billion NOK/ year. The national council for priority setting in health care recommended in September 2016 that an organised screening program against colorectal cancer should be implemented. The government is expected to make a decision on a possible screening program sometime during the next year.

There may also be artefactual reasons for changes in cancer rates. The decline in central nervous system tumors is likely due to poor clinical reporting in the southeast health region. An increase in breast cancer rates over the past few years seems to involve predominantly women above 60. Increases in women above 70 may be the result if a number of women choose to continue screening privately after they leave the screening program. For women under 70, there is no major change in the organised screening program, but studies with a new, more sensitive technique (digital breast tomosynthesis) may explain some of the increase. We have no information about use of mammography screening outside the organized screening program.

Thyroid cancer is uncommon, but there is a steady increase that raises some questions. Are some physicians starting to actively screen against this cancer, or is it a result of incidental findings due to increased use of ultrasound, CT or MRI in the workup for other diseases? Screening is not recommended for thyroid cancer, and in fact, there is a concern that such screening tends to find many small indolent cancers that may not become clinically apparent.

This is the second time we use a Norwegian standard population rather than the World Standard Population to estimate age-standardised rates. This means that those who want to do international comparisons will have to use the age-specific rates and derive World standardised rates prior to the comparison. We have chosen to use a Norwegian standard because Norway, in line with other industrialised countries, has an age structure where a large part of the population is above 30 (62%) or 70 years of age (11%). This is very different from the traditional World Standard from 1960. It is important for us to provide incidence rates that are comparable with the crude cancer rates in Norway. For direct comparisons with incidence rates in other countries, we suggest that the reader consults one of several international databases created for this purpose.

This year we proudly present a special report on the research on occupational cancer that has been undertaken at the Cancer Registry since the early 1970s. A large thank you to Kristina Kjærheim, Tom Kristian Grimsrud, Hilde Langseth, Jan Ivar Martinsen and Tone Eggen who have contributed to the report. Knowledge of risk factors and causes of cancer is a prerequisite for cancer prevention.

Reporting of cancer is done by our colleagues in hospitals across the country. We are grateful for all their efforts. We also extend our thanks to the staff at the Cancer Registry who code the cancers and assist with the development of our descriptive statistics. We thank everyone involved for their efforts in continuing to improve coding and the contents of this report.

Oslo, October 2016

Giske Ursin MD PhD Director

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Summary

In this annual report, the Cancer Registry of Norway (CRN) provides incidence data on different cancers and the latest survival data.

Incidence/Cumulative risk

A total of 32 592 new cancer cases were reported in 2015: 53.7 per cent were among men and 46.3 percent among women. Cancer in prostate, lung, colon and bladder and urinary tract were the most common cancers in men, whereas breast, colon, lung cancer and malignant melanoma were the most common cancers in women. The relative impact of cancers, however, varies considerably by age. Among children (0-14 years of age), leukaemia and cancer in the central nervous system were the most common. These represent 56 per cent and 57 per cent of all cancer cases in boys and girls, respectively. In males aged 15-49 years, testicular cancer was the most common cancer, whereas prostate cancer was most common in middle aged and older men (50+). In females, cancer in the central nervous system and Hodgkin lymphoma were the most common cancer types among 15-24 years old. Among 25-69 years old females breast cancer was most common, and among the oldest females (70+) colon cancer was slightly more common than breast cancer.

Cancer trends should be interpreted by examining rates over the past several years. This is because there is some random variation in incidence rates from one year to another. Further, the numbers for 2015 might be slightly underreported due to delayed notification of cancer cases. The present report is published before the complete numbers for 2015 was received from the Cause of Death Registry. Thus, the possible underreporting might be slightly higher for cancers with the highest percentage of cases registered based on a death certificate only (DCO).

The incidence rate for all sites combined has increased by 3.1 per cent in men and 4.9 per cent in women when we compare the two most recent five-year periods (from 2006–2010 to 2011–2015).

For the most common cancers in males, the largest incidence increase in rates was observed for malignant melanoma, kidney, non-melanoma skin cancer and leukaemia. On the positive side, the rates for lung cancer showed a reduction.

For the most common cancers in females, the strongest increase occurred in incidence rates of thyroid cancer, malignant melanoma, non-melanoma skin cancer, bladder and urinary tract and lung cancer . A reduction in rates was seen for cancer in ovary and corpus uteri.

We suspect that the rather large reduction seen for cancers in the central nervous system in men and women, at least to some extent, is due to underreporting of cases.

The probability of being diagnosed with a cancer before the age of 75 is 36 per cent in men and 30 per cent in women.

Prevalence

At the end of 2014 more than 252 000 Norwegians were alive after having had at least one cancer diagnosis at an earlier point in time.

Mortality

The mortality data is obtained from the Cause of Death Registry. The data for 2015 was not complete when this report was published, and we therefore reports figures for 2014.

There were 10 971 deaths from cancer in Norway in 2014. Cancer of the lung, colon, rectum, prostate and female breast account for 50 per cent of the cancer mortality.

Survival

From the period 2006–2010 to 2011–2015 the estimated five-year relative survival changed from:

- 91 to 93 per cent for prostate cancer
- 88 to 89 per cent for breast cancer in women
- 12 to 14 per cent for lung cancer in men
- 17 to 21 per cent for lung cancer in women
- 60 to 60 per cent for colon cancer in men
- 63 to 66 per cent for colon cancer in women
- 66 to 68 per cent for rectal cancer in men
- 66 to 68 per cent for rectal cancer in women

Table 1. Summary of cancer statistics for selected cancers

| ICD10 | Site | Sex | Number of new cases, 2015 | Age- standardised incidence rates per 100 000 person-years, | Percent change in age-standardised incidence rate from the previous five-year period, 2006–10 | Percent diagnosed with localized disease, 2011–15* | Age- standardised mortality rates per 100 000 person-years, | Five-year relative survival (%), 2006–10 | Five-year relative survival (%), 2011–15 | |
|--------------|----------------------|-----|---------------------------------|---|---|--|---|---|--|------|
| 96-00D | All sites | Σ | 17 498 | 730.3 | 3.1 | : | ÷ | 0.89 | | 71.1 |
| | | ഥ | 15 094 | 537.1 | 4.9 | : | ÷ | 8'29 | | 70.5 |
| C18 | Colon | Σ | 1 400 | 58.7 | 2.8 | 16.7 | 24.8 | 59.9 | | 9.09 |
| | | Щ | 1 535 | 52.5 | 6.5 | 16.3 | 20.3 | 63.3 | | 66.2 |
| C19-20 | Rectum, rectosigmoid | Σ | 771 | 32.9 | -0.4 | 21.0 | 10.4 | 65.8 | | 68.2 |
| | | ш | 562 | 20.3 | -0.1 | 24.3 | 6.2 | 65.8 | | 67.7 |
| C33-34 | Lung, trachea | Σ | 1 564 | 70.0 | -3.8 | 20.0 | 51.8 | 12.2 | | 14.4 |
| | | Щ | 1 471 | 51.1 | 9.5 | 23.0 | 35 | 17.4 | | 20.9 |
| C43 | Melanoma of the skin | Σ | 1 018 | 39.5 | 30.4 | 84.7 | 7.7 | 77.1 | | 81.6 |
| | | ш | 983 | 35.5 | 26.0 | 89.2 | 5.2 | 87.8 | | 89.4 |
| C44 | Skin, non-melanoma | Σ | 1 044 | 44.6 | 9.1 | : | : | : | | : |
| | | ш | 840 | 28.2 | 14.1 | : | ÷ | : | | : |
| C50 | Breast | Щ | 3 415 | 123.3 | 8.0 | 41.3 | 23.5 | 87.8 | | 89.0 |
| C53 | Cervix uteri | Щ | 370 | 12.8 | 3.7 | 65.2 | 2.3 | 77.4 | | 9.08 |
| C54 | Corpus uteri | ш | 779 | 27.9 | -4.2 | 74.3 | 2.9 | 82.9 | | 83.4 |
| C56, C57.0-4 | Ovary etc. | ш | 504 | 18.3 | -4.9 | 21.8 | 10.6 | 45.0 | | 48.1 |
| C61 | Prostate | Σ | 5 061 | 211.2 | 1.1 | 49.1 | 54.6 | 7.06 | | 92.9 |
| C62 | Testis | Σ | 291 | 12.0 | 0.5 | 82.6 | 0.2 | 98.1 | | 98.1 |
| C65-68 | Urinary tract | Σ | 1 262 | 50.4 | 6.1 | 82.1 | 12.2 | 73.5 | | 76.1 |
| | | Щ | 469 | 15.5 | 12.2 | 76.3 | 3.8 | 64.8 | | 68.2 |
| C70-72, | Central nervous | Σ | 435 | 20.0 | -8.6 | 51.1 | ÷ | 61.7 | | 61.2 |
| D32-33 | system | ш | 502 | 21.3 | -18.6 | 69.5 | : | 77.6 | | 76.5 |
| C73 | Thyroid gland | Σ | 101 | 4.0 | 25.1 | 51.6 | ÷ | 84.4 | | 8.68 |
| | | ш | 262 | 9.5 | 30.6 | 63.3 | ÷ | 92.3 | | 92.9 |
| C82-86, C96 | Non-Hodgkin | Σ | 602 | 23.1 | 2.8 | : | 6.7 | 64.8 | | 70.8 |
| | lymphoma | ш | 451 | 16.6 | 5.8 | : | 4.6 | 71.2 | | 75.1 |
| C91-95, | Leukaemia | Σ | 614 | 26.1 | 8.0 | : | 7.3 | 58.9 | | 60.3 |
| D45-47 | | ш | 525 | 17.7 | 5.6 | : | 5.7 | 63.7 | | 65.1 |
| | | | | : | | | | | | |

*For breast cancer it refers to Stage I, and for central nervous system it refers to non-malignant cases. **The mortality rates are presented for 2014, as complete numbers for 2015 is not yet received from the Cause of Death Registry

Definitions*

Incidence

The number of (new cases of disease) in a defined population within a specific period of time.

Incidence rate

The number of new cases that arise in a population (incidence) divided by the number of people who are at risk of getting cancer in the same period. The rate is expressed per 100 000 person-years. Person-years is a metric that combines persons and time (in years) as the denominator in rates.

Crude rate

Unadjusted rates, often estimated for the entire population, with no standardisation by age.

Age-specific rate

A rate calculated by age strata, often with five-year intervals.

Age-standardised rate

Age-standardised (or age-adjusted) incidence rates are summary rates that would have been observed, given the schedule of age-specific rates, in a population with the age distribution of a given population. For this report, we use the Norwegian mid-year population in 2014. Referred to in the text as Norwegian standard.

Prevalence

Prevalence is the number or proportion of a population that has the disease at a given point in time. In this report we use lifetime cancer prevalence that can be defined as the number of living individuals having ever been diagnosed with cancer.

Relative survival

The observed survival after a given period of time in a patient group, divided by the expected survival of a comparable group in the general population with respect to key factors affecting survival such as age, sex and calendar year of observation. Relative survival is thus determined by the mortality experienced by the patients regardless of whether an excess mortality may be directly or indirectly attributable to the disease under investigation. A key advantage is that it does not require cause-of-death information.

Conditional relative survival

The probability of surviving an additional number of years given that the person has already survived X years. As the time from diagnosis lengthens, this statistic becomes more informative to survivors than the conventional relative survival estimate. A five-year conditional relative survival that reaches close to 100% some number of years after diagnosis indicates that from thereon, there is little or no excess mortality in the patient group.

* All the definitions are based on Last, 2001

About this publication

List of the ICD-10 codes with included and excluded morphologies

The list below gives a detailed description of specific morphologies that are included or excluded in all cancer statistics presented in the present report.

Table 2. Description of the ICD-10 codes

| ICD-10 | Site | Comments |
|-----------------|---|--|
| C00-96* | All sites | Includes the following D-diagnoses; D32–D33, D35.2–35.4, D42–D43, D44.3–D44.5 and D45–47 Excludes all basal cell carcinomas |
| C38 | Heart, mediastinum and pleura | Excludes mesotheliomas (which are included in C45) |
| C50 | Breast | Excludes pagets disease |
| C56, C57.0-4 | Ovary etc. | Excludes borderline tumours. Includes the following sites: Neoplasms in fallopian tube (C57.0), broad ligament (C57.1), round ligament (C57.2), parametrium (C57.3) and uterine adnexa, unspecified (C57.4) |
| C64 | Kidney except renal pelvis | Excludes non-invasive tumours |
| C65 | Renal pelvis | Includes non-invasive papillary tumours, dysplasia and carcinoma in situ |
| C66 | Ureter | Includes non-invasive papillary tumours, dysplasia and carcinoma in situ |
| C67 | Bladder | Includes non-invasive papillary tumours, dysplasia and carcinoma in situ |
| C68 | Other and unspecified urinary organs | Includes non-invasive papillary tumours, dysplasia and carcinoma in situ |
| C70 | Meninges | Includes benign tumours (D32–33, D42–43) |
| C71 | Brain | Includes benign tumours (D32–33, D42–43) |
| C72 | Spinal cord, cranial nerves and other parts | Includes benign tumours (D32–33, D42–43) |
| C72 | Spinal cord, cranial nerves and other parts of central nervous system | Includes benign tumours (D35.2–35.4, D44.3–44.5) |
| C75 | Other endocrine glands and related structures | Includes benign tumours (D35.2–35.4, D44.3–44.5) |
| C92 | Myeloid leukaemia | Includes myelodysplastic syndrome (D46) |
| C95 | Leukaemia of unspecified cell type | Includes polycythaemia vera (D45) and other unspecified tumours in lymphatic or hematopoietic tissue (D47) |

^{*} Some of the D-codes are not included in the labels for subsequent tables and figures due to lack of space

Changes from the previous version

Changed rules for reporting of multiple primary cancers. Previous reports of Cancer in Norway have reported the multiple primary neoplasms following the rules of the International Association of Research on Cancer – IARC (Fritz & al, 2000). These rules have 12 groups of malignant neoplasms that are considered to be histologically different for the purpose of defining multiple tumours. The present report follow the rules published by the IARC/ENCR/IACR Working group in 2004. Here, there are 17 groups considered histologically different, and the groups of topography codes considered to be one site in the definition of multiple cancers are updated. The rules are followed with one exception: non-specific groups are considered as separate morphology groups and we thus do not ignore the non-specific diagnosis (as described in table 24, page 25, World health Organization International Classification of Diseases for Oncology, third edition, first revision, 2013). I.e. reporting of the numerical highest/ most specific morphology code, or the collective topography code given simultaneous diagnosis, within reported cases. For these cases, we report the case with the first date of diagnosis as is. If the date of diagnosis is at the same time, we report the case with the most severe metastasis status, if the metastasis status is equal; we report the case that is registered first. The changes result in 1492 (0.3%) fewer cases in men and 516 (0.1%) fewer cases in women for the period 1953-2015.

• Pagets disease is no longer included in breast cancer (C50). Pagets disease has previously been included in C50, but is excluded in the present report.

• The site "Ovary" has been extended. Neoplasms in fallopian tube (C57.0), broad ligament (C57.1), round ligament (C57.2), parametrium (C57.3) and uterine adnexa, unspecified (C57.4) have previously been reported together with C51-C52 (other female genital). They are now reported together with C56, C57.0-4, Ovary etc. The reason for this is the resent change in coding practice. Findings of malignant tumours in the ovary and/or fallopian tube with concurrent findings of precancerous lesions in the fallopian tube are now interpreted as tumours with their point of origin in the oviduct with metastasis to the ovaries. Previously, most of these cancers were believed to have originated from the ovaries.

The site "Bladder" has been extended. Malignant neoplasms of renal pelvis (C65) are now reported together with bladder cancer. We are now also including flat lesions with dysplasia in these sites (C65-C68).

Plasmacytomas (C90.2-3) are reported under C90. These cases have previously been reported under lymphomas.

• Registration and reporting of metastases. These changes are reported in the data sources and methods section.

Purpose and intended audience

The aim of the annual publication of Cancer in Norway is to provide detailed cancer statistics. This publication should help health professionals, policy-makers and researchers to identify and make decisions about areas that need more attention and investigation. This publication may also be valuable for the media, educators and members of the public with an interest in cancer.

Data sources and Methods

The population of Norway

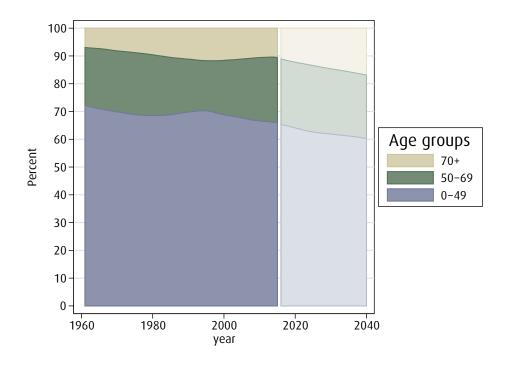
By January 1st 2016 the total number of inhabitants in Norway was 5 213 985. The immigrant population (first-generation) comprises 13.4% of the total population, and an additional 2.9% are second-generation immigrants. About 50% of the first-generation immigrants are from EU/EEA, US, Canada, Australia and New Zealand, 28% from Asia (incl. Turkey), and 12% from Africa (Source: Statistics Norway).

Table 3 shows the age structure by sex for the Norwegian mid-year population in 2015, while Figure 1 shows the age structure of the Norwegian population over time from 1960 with projections up to 2040 (Source: Statistics Norway). The elderly will represent an increasingly large proportion of the population of Norway over the next decades. Long-term projections up to 2060 show that 19% of the population will be 70 years or older (Syse & al, 2016). When the first census in Norway took place in 1769, the number of inhabitants was 739 180. The population has increased remarkably since then, and the growth is expected to continue the next few decades. The total number of inhabitants in Norway has increased by 46% from 1960 to 2016, largely because of rising life expectancy and, more recently, due to increases in net immigration. By 2032, the size of the population is expected to reach 6 million, and by 2059 it will reach 7 million1.

Table 3 Norwegian mid-year population 2015 by five-year age group and sex

| Age group | Males | Females | Total |
|-----------|---------|---------|---------|
| 00-04 | 157 505 | 149 492 | 306 997 |
| 05-09 | 163 425 | 155 284 | 318 708 |
| 10-14 | 156 950 | 150 520 | 307 470 |
| 15-19 | 168 295 | 158 371 | 326 665 |
| 20-24 | 176 820 | 166 636 | 343 456 |
| 25-29 | 182 053 | 175 861 | 357 914 |
| 30-34 | 179 320 | 168 927 | 348 246 |
| 35-39 | 177 360 | 165 425 | 342 784 |
| 40-44 | 191 522 | 180 348 | 371 870 |
| 45-49 | 193 092 | 181 682 | 374 774 |
| 50-54 | 174 853 | 165 426 | 340 279 |
| 55-59 | 161 099 | 155 646 | 316 744 |
| 60-64 | 145 574 | 143 715 | 289 289 |
| 65-69 | 138 895 | 139 570 | 278 465 |
| 70-74 | 98 700 | 105 200 | 203 899 |
| 75-79 | 64 731 | 77 376 | 142 107 |
| 80-84 | 43 811 | 61 083 | 104 894 |
| 85+ | 37 969 | 77 369 | 115 338 |

Figure 1. Age structure of the Norwegian population 1960–2040, considered the scenario for medium national growth



About the Cancer Registry of Norway

The Cancer Registry of Norway (CRN) has, since 1952, systematically collected notifications on cancer occurrence for the Norwegian population. The registration has from 1953 been considered to be close to complete, and a comprehensive study on data quality estimates the completeness to be 98.8% for the registration period 2001–05 (Larsen & al, 2009). The reporting of neoplasms has been mandatory since the implementation of a directive from the Ministry of Health and Social Affairs in January 1952. The CRN Regulations came into force in 2002 (Regulations for the collection and processing of data in the CRN).

Main objectives

The main objectives of the Cancer Registry of Norway can be summarized as follows:

- Collect data on cancer occurrence and describe the distribution of cancer and changes over time.
- Provide a basis for research on the aetiology, diagnostic procedures, natural course of the disease, and effects of treatment in order to determine appropriate preventive measures and to improve the quality of medical care.
- Provide advice and information to public authorities and the general public about preventive measures.
- Perform epidemiological research of high international standard.

Data items registered

The following must be reported to the CRN:

- All malignant neoplasms and precancerous disorders.
- All benign tumours of the central nervous system and meninges.

The incidence registry

The incidence registry contains the basic data items collected from clinicians and pathologists, as well as data from administrative patient discharge records and mortality sources. As of October 1st 2016, the incidence registry contained information registered since 1953 on 1 789 340 cancer cases (including premalignant and some benign conditions) in 1 425 470 persons. The incidence registry is updated continuously with information on both new cases and cases diagnosed previous years. The present report is based on data from the incidence registry.

A total of 4 505 051 notifications have been registered since 1969 (earlier notifications were not registered individually).

Clinical registries

Clinical registries, i.e. comprehensive registration schemes dedicated to specific cancers, have been established to provide more detailed information about diagnostic procedures, pathology-examinations, treatment and follow-up. The aims are to provide data for monitoring patient outcome and survival and to be an empirical base for scientific studies concerning prognostic factors and treatment outcomes, as well as for evaluation of quality of cancer care.

Several clinical registries are now established, and the ongoing and expanding activities of these clinical registries are a major focus for CRN. Each clinical registry has a reference group - a panel of multi-disciplinary experts from clinical and research milieus in Norway. These experts advise on the contents and activities of each clinical registry, and its strategic direction. Registries are integrated in the CRN coding and registration activities. Table 4 shows the status of these clinical registries as of October 2016.

Table 4. Status of the clinical registries, October 2016

| Clinical registry for | Clinical reference/ | Established with | Clinical parameters for | Electronical report | National |
|--------------------------------------|---------------------|------------------|-------------------------------|---------------------|----------|
| Chilical registry for | project group | extended data* | electronical report specified | form in use | status |
| Colorectal cancer | Yes | Yes | Yes | Yes | 2009 |
| Malignant melanoma | Yes | Yes | Yes | Yes | 2013 |
| Breast cancer | Yes | Yes | Yes | Yes | 2013 |
| Prostate cancer | Yes | Yes | Yes | Yes | 2009 |
| Lymphomas and lymphoid leukaemias | Yes | Yes | Yes | Yes | 2013 |
| Lung cancer | Yes | Yes | Yes | Yes | 2013 |
| Childhood cancer | Yes | Yes | Yes | Yes | 2013 |
| Gynecological cancer** | Yes | Yes | Yes | Yes | 2013 |
| Hematological cancer | Yes | No | Yes | No | *** |
| Central nervous system | Yes | No | Yes | No | *** |
| Oesophagus and stomach cancer | Yes | Yes | Yes | Yes | *** |
| Testicular cancer | Yes | No | Yes | No | *** |
| Sarcoma | Yes | No | No | No | *** |

- * Either by having a separate clinical report form and/or by having a database with extended information beyond the incidence registry.
- ** Established for ovarian cancer, will be extended to include all gynecological cancers.
- *** It has been applied for funding, but the establishment of new clinical registries in the South-Eastern health region is currently stopped in order to evaluate the ongoing registries and to discuss a better model of funding.

Notifications and sources of information

The sources of information and the notification process are illustrated in Figure 2. Hospitals, laboratories, general practitioners and the Cause of Death Registry provide the key information that enables the CRN to collect, code and store data on cancer patients in Norway. Information from clinical notifications, pathology reports and death certificates are the main sources. Information from the Norwegian Patient Registry is an important additional source for identifying cancer cases.

Clinical and pathological notifications

The CRN Regulations, as issued by the Ministry of Health and Social Affairs, require all hospitals, laboratories and general practitioners in Norway to report all new cases of cancer to the CRN. Reporting should be done as soon as possible after end of diagnostics or treatment. The cases should be reported irrespective of whether the patient is treated, admitted, or seen only as an outpatient. Cancers in the clinical registries are reported on specific forms with extended information relevant for each cancer site (see clinical registries). In addition, there are two forms (clinical notifications) for reporting of the solid or non-solid tumours not yet included in a clinical registry. These forms provide information on primary site, stage of disease, the basis for the diagnosis and primary treatment given to the patient. Pathology reports from hospitals and independent laboratories provide histological, cytological or autopsy information. The information is identified and linked by the personal identification number system that was established in Norway in 1964.

Clinical notifications should be sent using the CRN electronical reporting service (KREMT) at the Norwegian Health Network. More information about KREMT can be found at https://www.kreftregisteret.no/Registrene/Innrapportering/KREMT---Kreftregisterets-elektroniske-meldetjeneste/

The amount of electronical pathology reports have increased over the past two years, but more than half of the pathology departments still send paper copies. A major focus for the future is to have more pathology departments send electronical and structured pathology reports to the CRN.

Death certificates

The CRN receives monthly updates on patients' vital status from the National Population Registry. In addition the Cause of Death Registry, run by the Norwegian Institute of Public Health, send information on cause of death and death certificates in several batches each year. The automated procedure that matches registered cancer cases to death certificates is important for maintaining quality control, facilitating a high level of completeness and ensuring validity of the CRN data items. Death certificates also represent a complementary source of information on new cancer cases which have not been reported previously, or where the diagnosis differs. Cancer cases first identified from death certificates are traced back to the hospital or physician responsible for the treatment of the patient to verify whether the patient had been diagnosed when alive or post mortem. If diagnosed when alive, clinical notifications and copies of pathology reports should be sent to the CRN.

The Norwegian Patient Registry

Since 2002, the CRN has received data files from the Patient Administrative Data System (PAS) used in all Norwegian hospitals. These files contain information about patients who have been treated for premalignant and malignant conditions since 1998, and therefore PAS has been a key source in finding information on unreported cases. Since 2010, the CRN has received this information from the Norwegian Patient Registry (NPR). The CRN receives all C-diagnoses, D00–D48 and some other diagnoses (ICD-10) from NPR and these are matched with current information in the CRN database. Reminders are sent to clinicians for those cases where no information about the diagnosis exists in the CRN (Figure 2).

Dispatching of reminders to clinicians

It is mandatory to report clinical information on new cases of cancer no later than two months after the diagnosis has been determined. Thus, except for some few cases (e.g. cases diagnosed at autopsy), at least one clinical notification should be registered for each cancer case. The CRN receives information on cancer cases from several sources (clinical notifications, pathology notifications, autopsies, death certificates, radiation therapy and NPR). In those cases where the clinical notification is missing for a cancer case notified from one of the other sources, a reminder is

sent to the hospital/ward/physician responsible for the treatment. About 100 000 reminders are sent annually, including repeat requests for information. The procedure for cancer registration and the dispatching of reminders are illustrated in Figure 2.

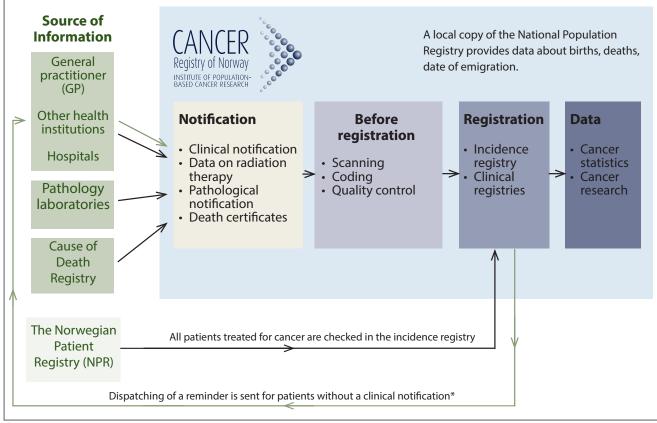
Incidence and mortality data

The incidence data presented in the first part of this report are based on an extraction from the incidence registry on October 1st 2016. The tables and figures in general represent either the latest year of complete incidence (2015) or the latest five-year period (2011–15).

A list of the inclusion and exclusion criteria applied to several sites with respect to morphology is shown in Table 2.

Registered codes from ICD-7, ICD-O-2 and ICD-O-3 are converted to ICD-10 using a combination of topography and morphology. Population data, stratified by year, sex and age, are provided by Statistics Norway. The main cancer types are tabulated according to their ICD-10 three-digit categories. The "all sites" figure comprises all malignant neoplasms (ICD-10 C00-96) and the D-diagnoses listed in Table 2. Corresponding mortality data coded in ICD-10 were obtained from the Cause of Death Registry and are presented in the same ICD-10 categories as for the rest of this report.

Figure 2. Sources of information and the processes of cancer registration at the CRN



^{*} Dispatching of reminders for clinical notifications are sent for cases only notified from the NPR or cases only notified by a pathology notification/death certificate on radiation therapy data.

Multiple primary neoplasms

The coding and classification of multiple primary neoplasms follow the rules of published by the IARC/ WHO/ENCR/IACR Working group in 2004. The rules are followed with one exception: non-specific groups are considered as separate morphology groups and we thus do not ignore the non-specific diagnosis (as described in table 24, page 25, World health Organization International Classification of Diseases for Oncology, third edition, first revision, 2013). I.e. reporting of the numerical highest/ most specific morphology code, or the collective topography code given simultaneous diagnosis, within reported cases. For these cases, we report the case with the first date of diagnosis as is. If the date of diagnosis is at the same time, we report the case with the most severe metastasis status, if the metastasis status is equal; we report the case that is registered first.

The rules of multiple primary neoplasms states that only one tumour is recognized as arising in an organ or pair of organs or tissue. This means that for this report only the first invasive tumour of a defined histological type is counted within one three-character ICD-10 code (for example breast C50). A new cancer of the same histological group many years later in the same organ will not be counted. If there are different histological diagnoses, for example an adenocarcinoma and a sarcoma in the same organ, these will be counted as two cancers. Some organs are considered as only one organ in this respect (for example trachea C33 and lung C34).

Multifocal tumours are counted only once. This is also the case for the systemic cancers lymphomas, leukaemias, kaposi's sarcomas and mesotheliomas.

Metastases and changes in coding practice

The coding and registration of stages has varied over time. For some cases, the Cancer Registry of Norway only receive histological reports and no clinical notifications, thus, a large proportion of these cases will not have verified information on metastases at the time of diagnosis. For patients diagnosed between 1953 and 2008 the guidelines for coding was to consider these patients as having unknown metastatic status. A detailed investigation of the data for these patients, including survival analyses, showed that most of them probably had a localised disease. Based on additional information from radiation therapy and data from the Norwegian Patient Registry, the coding practice was changed for all patients diag-

nosed after 01.01.2009. If a patient has major surgery and there is no clinical information that indicates metastasis, then the patient is considered to have localized disease. However, this practice might have led to misclassification of stage for some patients who were not properly examined/diagnosed due to e.g. poor health or severe comorbidity.

In the present report, we have therefore classified stage as following:

Localized stage: All cases with a verified stage. Cases where the stage is registered on the basis of a cytology or biopsy notification only, are not considered as a verified stage, and these cases are categorised as cases with unknown stage.

Regional stage: All cases with a clinical or pathological verified stage.

Distant stage: All cases with a clinical or pathological verified stage.

Unknown: All cases reported with unknown stage, or cases with insufficient information to set the stage.

Change in coding practice over time may however influence trends in incidence and survival of localized and unknown stage over time.

Statistical methods used in this report

In this report, we use four measures to describe the burden and risk of disease: incidence, mortality, survival and prevalence.

Incidence and mortality

Incidence and mortality refer to the number of new cases and deaths, respectively. Both measures can be expressed as the absolute number, or as the rate, taking into account the size of the population at risk. Rates are essential for the comparisons of groups, and within a group over time. The denominator is the underlying person-time at risk in which the new cases or deaths in the numerator arise. Cancer incidence and mortality are presented in this report both as numbers and rates. Several different types of rates are also used in this report. We use the mid-year population (calculated as the mean of the population as obtained by January 1st and December 31st) as the denominator in the calculation of rates. For periods with several years, we use the sum of mid-year populations.

Age-specific rates

There are compelling reasons for adjusting for the distribution of age when comparing cancer risk in populations. Age is a strong determinant of cancer risk. The crude rate, is a rate based on the frequency of cancer in the entire population irrespective of age. Although this measure is useful as an indicator of the total cancer burden, it's utility in comparing cancer risk between the group is severely limited when the age distribution differs between the groups, or where demographic changes in the size and age structure of a population have occurred over time.

To obtain a more accurate picture of the true risk of cancer, rates can be calculated for specific age strata, usually grouped in five-year intervals. The age-specific rate for age class i, denoted as r_i , is obtained by dividing the number of events, d_i , by the corresponding person-years, Y_i . As rates are most often given per 100 000 person-years we multiply by 100 000:

$$r_i = \frac{d_i}{Y_i} \cdot 100\ 000$$

Usually, rates are provided separately for males and females, because of the different patterns by sex. Age- and sex-specific incidence and mortality rates are the basis of epidemiological analysis of cancer frequency data.

Age-standardised rates

To facilitate comparisons, a summary rate is derived that takes into account age-specific rates in each comparison group. The summary measure that appears in this report is the age-standardised rate (ASR), a statistic that is independent of the effects of age, thus allowing comparisons of cancer risk between differ-

Figure 3. Comparison of population weights

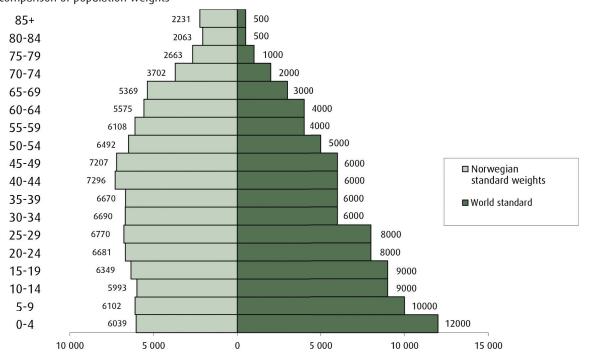
ent groups and over time. The calculation of the ASR is an example of direct standardisation, whereby the observed age-specific rates are applied to a standard population. The population size or proportion in each age class of the Standard Population are known as the weights to be used in the standardisation process. Many possible sets of weights, w_i , can be used.

For weight w_i in the ith age class of the standard, r_i is the age-specific rate in the ith age class. The ASR is calculated as:

$$ASR = \frac{\sum_{i} r_{i} w_{i}}{\sum_{i} w_{i}}$$

The World Standard Population (Segi, 1960; Doll & all, 1966) has been used in several previous report of Cancer in Norway. Last year we started to use the Norwegian mid-year population in 2014 as the reference population, and this is the reference population in the current report. This standard is referred to as the Norwegian standard.

The main advantage of using this reference population is that we are getting age-standardised rates that resemble the crude rates for the Norwegian population. The main disadvantage is that the rates are not comparable with national rates from other countries. Table 7 shows the ASR in 2015 with different reference populations. Of notice is that the ASRs (Norwegian standard) gives higher rates than the ASRs (World standard). In general, these changes have led to twice as high age-standardised rates. This is because the Norway 2014 reference population has higher weights for the oldest age groups (Figure 3). Cancers that



have the highest incidence rates in the youngest age groups (e.g. testicular cancer) are less affected by the change of reference population (see Table 7 and Figure 4).

Age-standardised incidence rates (World) are available at: https://www.kreftregisteret.no/Registrene/Kreftstatistikk/

Figure 4 shows the age-standardised incidence rates for some selected cancers with different reference population

Cumulative risk

The cumulative risk is the probability that an individual will develop the cancer under study during a certain age span, in the absence of other competing causes of death (Day, 1992). The age span over which the risk is accumulated must be specified, and in this report, the range 0–74 years is used and provides an approximation of the risk of developing cancer. If before the age of 75 the cumulative risk is less than 10%, as is the case for most cancer forms, it is reasonably approximated by the cumulative rate.

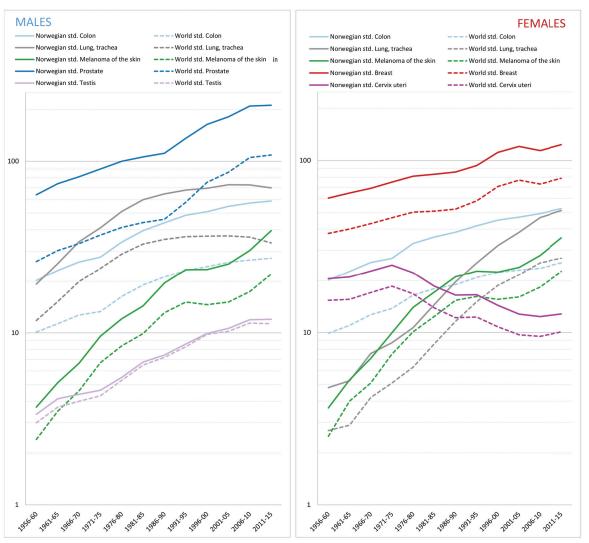
The cumulative rate (CR) is the summation of the agespecific rates over each year of age from birth to a defined upper age limit. As age-specific incidence rates are computed according to five-year age groups, the cumulative rate is five times the sum of the age-specific rates calculated over the five-year age groups, assuming the age-specific rates are the same for all ages within the five-year age stratum:

$$CR = 5 \sum_{i} r_{i}$$

The cumulative rate has several advantages compared to age-standardised rates. Firstly, as a form of direct standardisation, the problem of choosing an arbitrary reference population is eliminated. Secondly, as an approximation to the cumulative risk, it has a greater intuitive appeal, and is more directly interpretable as a measurement of lifetime risk, assuming no other causes of death are in operation. The precise mathematical relationship between the two is:

Cumulative risk =
$$1 - e^{-CR}$$

Figure 4. Age-standardised incidence trends in Norway for selected cancers, 1956–2015, the Norwegian mid-year population 2014 (Norwegian standard) and the World Standard Population (World standard) as reference populations.



Prevalence

Prevalence is the number or proportion of a population that has the disease at a given point in time. It is a complex measure of cancer incidence, mortality, and other factors affecting individuals after diagnosis and treatment.

Prevalence is a useful measure of the number of persons requiring care for chronic illnesses such as hypertension and diabetes. For cancer, on the other hand, many patients diagnosed in the past may now be considered cured, that is to say they no longer have a greater risk of death. However, there may be special needs and disabilities subsequent to cancer disease and treatment, thus it is likely that the number of prevalent cancer cases also represents a useful measure.

Cancer prevalence can be defined as the number of persons alive having ever been diagnosed with cancer. Such a measure can easily be derived from the CRN data, given the registration of cases and complete follow up over many years. We provide additional estimates that may be useful for quantifying care burden. Therefore, this report shows the numbers of persons alive on 31st of December 2015 who were previously diagnosed with cancer during the last year, one to four years, five to nine years, and 10 or more years.

We also show the number of patients who have been diagnosed with metastatic disease or local recurrence with metastasis and who were alive at various specific time points. This is another estimate of how the cancer burden has increased over time.

Survival

The survival time of a cancer patient is defined as the time that elapse between a cancer diagnosis and subsequent death or end of follow-up.

Follow-up data

To estimate long-term survival patterns and trends, vital statistics of patients diagnosed with cancer during 1961–2015 were obtained from the National Population Registry and Statistics Norway through 31st of December 2015.

The 23 most common cancer sites were selected for analysis, and grouped according to their respective ICD-10 categories. About 2% of the cases were excluded as they were either registered as DCO cases (Death Certificate Only), emigrated before diagno-

sis, or had zero survival time. It has been shown that exclusion of patients with a prior cancer diagnosis, which often is associated with a poorer prognosis, may give rise to artificially elevated estimates of survival (Brenner & Hakulinen, 2007). Therefore patients with previous cancer diagnoses were included in each site-specific analysis.

However, to provide an estimate of "all sites" survival, analysis was restricted to first primary cancers. While the inclusion of multiple primaries has been recommended for comparative purposes, the corresponding reduction in the overall survival estimates has been shown to be negligible; the effect of their inclusion has been shown to reduce five-year survival in Norway (for diagnoses 1995–2009) by less than a percentage point (Rosso & al, 2009).

Results should be interpreted with caution. Survival of prostate cancer and breast cancer in women has been affected by the impact of PSA testing and mammographic screening, respectively.

Relative survival (Net survival)

The most basic measure of survival is five-year survival, which represents the percentage of patients still alive 5 years after the date of diagnosis.

Not all deaths among cancer patients are due to the cancer under study. Deaths resulting from other causes will lower the survival and may possibly invalidate comparisons between populations. Relative survival is calculated to circumvent this problem by providing an estimate of *net survival*, and is defined as the observed survival proportion in a patient group divided by the expected survival of a comparable group in the general population with respect to age, sex and calendar year of investigation. At each time t (year) since diagnosis, the relative survival from the cancer, R(t), is defined as follows:

$$R(t)=S_O(t)/S_E(t)$$

where $S_O(t)$ is the observed survival of cancer patients while the calculation of expected survival $S_E(t)$ is based on matching the major demographic characteristics of the patients to the general population. This requires the Norwegian population life tables from Statistics Norway by 1-year age group, sex, and 1-year calendar period.

Expected survival is calculated using the Ederer II method (Ederer & Heise, 1959), and the relative survival estimates are age-standardised applying the age distribution of the patients diagnosed during the

most recent 5-year period. For patient cohorts with complete 5-year follow-up the cohort method is used.

With traditional cohort-based analyses, the most up-to-date estimates of long-term survival would have pertained to patients diagnosed in the distant past, with corresponding profiles of prognosis. Period-based analyses consider the survival experience in recent years, and the survival that would have been observed in a hypothetical cohort of patients who experienced the same interval-specific survival as the patients who were actually at risk during a specific calendar period (Brenner & Hakulinen, 2002).

In this report, we have used a five-year period window (2011–2015) to estimate relative survival up to 15 years. Patients diagnosed in 2010–2015 contribute with (part of) their survival experience the first year of follow up, patients diagnosed in 2009–2014 contribute to the second year of follow-up, patients diagnosed in 2008–2013 contribute to the third year of follow-up etc. Thus, the period approach consists of the pieces of survival experience observed in the period 2011–2015 for all patients who have been diagnosed up to 15 years ago.

The period-approach was also used to estimate five-year relative survival for the most recent period (2011-2015), where full five-year follow-up is not observed. When analyzing time trends in five-year relative survival rolling five-year cohorts was used to obtain smoother curves. This means that estimates for e.g. 2010 is based on patients diagnosed in 2006-2010. Estimates were obtained using the cohort method when follow-up was complete. Estimates for the last year were obtained using the most recent five-year period window, while estimates for the years where only part of the cohort had complete follow-up (2011-2014) were obtained using a combination of the cohort and period approach, ensuring that only a minimum of survival experience from patients diagnosed in the past was used.

Detailed description of the methods are found in supplement URL: https://www.kreftregisteret.no/globalassets/cancer-in-norway/2015/cin2015supmeth.pdf

Conditional relative survival

Cancer survivors want information on their current prognosis, once they have survived a certain period of time. Conditional survival is a key indicator in this respect, estimating survival proportions given that patients have already survived a certain duration of time (Hankey & Steinhorn, 1982; Janssen-Heijnen & al, 2007).

The time where five-year relative survival reaches 100% is the point from where there is no excess mortality among the cancer patients, and prognosis is equivalent to that experienced in the general popula-

tion. We present estimates of sex-specific five-year relative survival conditional on being alive 1 to 10 years after diagnosis.

Estimates were not plotted when there were less than twenty patients alive (n<20).

Data quality, completeness and timeliness

Data quality

A comprehensive assessment of the data quality in the CRN was conducted in 2007 (Larsen & al, 2009). Larsen & al. reported that the coding and classification systems, in general, follow international standards. Estimated overall completeness was 98.8% for the registration period 2001–2005, a lower completeness was observed for haematological malignancies and cancers of the central nervous system. Practical aspects and techniques for addressing the data quality at a cancer registry, including the documentation of comparability, validity and timeliness were reviewed in 2009 (Bray & Parkin, 2009). Methods for the evaluation of registry completeness were also assessed the same year (Parkin & Bray, 2009).

Two indicators of accuracy are shown in Table 5, namely the percentage of cases morphologically verified (MV%), and the percentage of death certificate only registrations (DCO%). See Larsen & al, 2009 for further details. The CRN follows the rules for registration and reporting of multiple neoplasms as defined by the International Association of Cancer Registries (IACR) and the International Agency for Research on Cancer (IACR/IARC, 2004).

Of notice is that that the present report is published before the mortality data for 2015 was complete. The DCO% is however at the same level as reported in Cancer in Norway 2014.

Completeness and timeliness of incidence

Table 6 shows the number of cancer cases diagnosed in 2014 as extracted on November 2nd 2015 (for CiN 2014), and on the September 31st 2016. The number of cancer cases diagnosed in 2014 reported and appearing in this issue (CiN 2015) are 408 (1.3%) more than those reported in the previous Cancer in Norway (CiN 2014) if the coding rules for multiple primaries, applied in this issue, had also been applied in CIN 2014.

Common cancers such as colon, prostate and breast cancers appear to have been almost complete when CiN 2014 was published (difference ≤1.0%).

 Table 5
 Table 5 Percentage distribution of MV (morphologically verified) and DCO (death certificate only) cases by primary site 2011-2015

| iddic 3 iddic 3 i | creentage distribution of MV (morphologically | vermed) and beo (death) | certificate offiy) cases by primary site | |
|--------------------|--|-------------------------|--|------------|
| ICD10 | Site | Cases | MV % | DCO % |
| C00-96 | All sites | 156 414 | 95.1 | 1.2 |
| C00-14 | Mouth, pharynx | 2 839 | 99.3 | 0.4 |
| C00 | Lip | 591 | 100.0 | 0.0 |
| C01-02 | Tongue | 623 | 99.7 | 0.2 |
| C03-06 | Mouth, other | 472 | 99.4 | 0.6 |
| C07-08 | Salivary glands | 286 | 97.9 | 1.0 |
| C09-14 | Pharynx | 867 | 98.8 | 0.6 |
| C15-26 | Digestive organs | 31 950 | 94.3 | 1.6 |
| C15 | Oesophagus | 1 334 | 97.9 | 0.8 |
| C16 | Stomach | 2 397 | 97.7 | 1.3 |
| C17 | Small intestine | 794 | 97.7 | 1.4 |
| C18 | Colon | 13 891 | 96.4 | 1.2 |
| C19-20 | Rectum, rectosigmoid | 6 575 | 98.9 | 0.3 |
| C21 | Anus | 369 | 98.4 | 0.8 |
| C22 | Liver | 1 180 | 83.1 | 2.6 |
| C23-24 | Gallbladder, bile ducts | 869 | 87.2 | 3.8 |
| C25 | Pancreas Other dispersion and a second | 3 844 | 81.9 | 2.9 |
| C26 | Other digestive organs | 697 | 80.6 | 13.2 |
| C30-34, C38 | Respiratory organs | 15 744 | 90.8 | 2.0 |
| C30-31 | Nose, sinuses | 234 | 99.1 | 0.4 |
| C32 | Larynx, epiglottis | 599 | 99.0 | 0.3 |
| C33-34 | Lung, trachea | 14 841 070 | 90.4 | 2.1 |
| C38 | Heart, mediastinum and pleura Bone | 252 | 97.6 | 8.6 1.6 |
| | Melanoma of the skin | 9 310 | 99.9 | |
| C43 | | | 99.9 | 0.1 |
| C44 | Skin, non-melanoma Mesothelioma | 8 845 394 | 95.9 | 0.1 |
| C43 | Autonomic nervous system | 050 | 96.0 | 2.0 |
| C48-49 | Soft tissues | 762 | 98.0 | 0.4 |
| C50 | Breast | 16 109 | 99.4 | 0.4 |
| C51-58 | Female genital organs | 8 314 | 97.9 | 0.8 |
| C53 | Cervix uteri | 1 621 | 99.4 | 0.4 |
| C54 | Corpus uteri | 3 675 | 99.2 | 0.4 |
| C55 | Uterus, other | 040 | 72.5 | 25.0 |
| C56, C57.0-4 | Ovary etc. | 2 398 | 95.6 | 1.3 |
| C51-52, C57.7-9 | Other female genital | 566 | 96.3 | 1.9 |
| C58 | Placenta | 014 | 71.4 | 0.0 |
| C60-63 | Male genital organs | 26 550 | 98.3 | 0.8 |
| C61 | Prostate | 24 753 | 98.2 | 0.9 |
| C62 | Testis | 1 552 | 99.7 | 0.1 |
| C60, C63 | Other male genital | 245 | 99.2 | 0.4 |
| C64-68 | Urinary organs | 11 827 | 97.2 | 1.0 |
| C64 | Kidney excl. renal pelvis | 4 019 | 94.5 | 1.6 |
| C65-68 | Urinary tract (renal pelvis, ureters, urinary | 7 808 | 98.5 | 0.7 |
| | bladder, and urethra) | | | 0.7 |
| C69 | Eye | 374 | 58.0 | 0.0 |
| C70-72, D32-33 | Central nervous system | 5 206 | 66.7 | 2.0 |
| C73 | Thyroid gland | 1 693 | 99.3 | 0.5 |
| C37, C74-75 | Other endocrine glands | 1 196 | 62.0 | 1.0 |
| C39, C76, C80 | Other or unspecified | 1 581 | 60.1 | 19.4 |
| C81-96 | Lymphoid and haematopoietic tissue | 13 418 | 98.3 | 1.1 |
| C81 | Hodgkin lymphoma | 731 | 99.6 | 0.1 |
| | ALCOHOLD IN THE PROPERTY OF TH | | | |
| C82-86, C96 | Non-Hodgkin lymphoma | 4 935 | 99.1 | 0.5 |
| C82-86, C96 C88 | Malignant immunoproliferative diseases | 331 | 98.5 | 1.2 |
| C82-86, C96 | | | | |

 Table 6
 Registered cancer cases in Norway, 2014 as obtained from the incidence registry extracted 2nd February 2015 and 1st November 2015

| ICD10 | Site | 02.11.2015 | 30.09.2016 | Difference | 0/0 |
|-----------------|---|------------|------------|------------|------|
| C00-96 | All sites | 31771 | 32179 | 408 | 1.3 |
| C00-14 | Mouth, pharynx | 608 | 616 | 8 | 1.3 |
| C00 | Lip | 118 | 121 | 3 | 2.5 |
| C01-02 | Tongue | 132 | 133 | 1 | 0.8 |
| C03-06 | Mouth, other | 106 | 108 | 2 | 1.9 |
| C07-08 | Salivary glands | 71 | 71 | | 0.0 |
| C09-14 | Pharynx | 181 | 183 | 2 | 1.1 |
| C15-26 | Digestive organs | 6462 | 6576 | 114 | 1.8 |
| C15 | Oesophagus | 289 | 295 | 6 | 2.1 |
| C16 | Stomach | 488 | 492 | 4 | 0.8 |
| C17 | Small intestine | 162 | 172 | 10 | 6.2 |
| C18 | Colon | 2801 | 2823 | 22 | 0.8 |
| C19-20 | Rectum, rectosigmoid | 1365 | 1381 | 16 | 1.2 |
| C21 | Anus | 86 | 92 | 6 | 7.0 |
| C22 | Liver | 219 | 228 | 9 | 4.1 |
| C23-24 | Gallbladder, bile ducts | 175 | 179 | 4 | 2.3 |
| C25 | Pancreas | 736 | 770 | 34 | 4.6 |
| C26 | Other digestive organs | 141 | 144 | 3 | 2.1 |
| C30-34, C38 | Respiratory organs | 3212 | 3261 | 49 | 1.5 |
| C30-31 | Nose, sinuses | 47 | 48 | 1 | 2.1 |
| C32 | Larynx, epiglottis | 133 | 134 | 1 | 0.8 |
| C33-34 | Lung, trachea | 3019 | 3064 | 45 | 1.5 |
| C38 | Mediastinum, pleura (non-mesothelioma) | 13 | 15 | 2 | 15.4 |
| C40-41 | Bone | 57 | 58 | 1 | 1.8 |
| C43 | Melanoma of the skin | 2003 | 2031 | 28 | 1.4 |
| C44 | Skin, non-melanoma | 1922 | 1935 | 13 | 0.7 |
| C45 | Mesothelioma | 66 | 69 | 3 | 4.5 |
| C47 | Autonomic nervous system | 15 | 16 | 1 | 6.7 |
| C48-49 | Soft tissues | 147 | 148 | 1 | 0.7 |
| C50 | Breast | 3343 | 3352 | 9 | 0.7 |
| C51-58 | Female genital organs | 1686 | 1720 | 34 | 2.0 |
| C53 | Cervix uteri | 338 | 357 | 19 | 5.6 |
| | | | | | |
| C54 | Corpus uteri | 727 | 734 | 7 | 1.0 |
| C55 | Uterus, other | 12 | 13 | 1 | 8.3 |
| C56, C57.0-4 | Ovary etc. | 484 | 487 | 3 | 0.6 |
| C51-52, C57.7-9 | Other female genital | 123 | 127 | 4 | 3.3 |
| C58 | Placenta | 2 | 2 | 42 | 0.0 |
| C60-63 | Male genital organs | 5268 | 5311 | 43 | 0.8 |
| C61 | Prostate | 4889 | 4931 | 42 | 0.9 |
| C62 | Testis | 321 | 322 | 1 | 0.3 |
| C60, C63 | Other male genital | 58 | 58 | | 0.0 |
| C64-68 | Urinary organs | 2452 | 2440 | -12 | -0.5 |
| C64 | Kidney excl. renal pelvis | 814 | 811 | -3 | -0.4 |
| C65-68 | Urinary tract (renal pelvis, ureters, urinary bladder, and urethra) | 1638 | 1629 | -9 | -0.5 |
| C69 | Eye | 92 | 94 | 2 | 2.2 |
| C70-72, D32-33 | Central nervous system | 1012 | 1031 | 19 | 1.9 |
| C73 | Thyroid gland | 353 | 360 | 7 | 2.0 |
| C37, C74-75 | Other endocrine glands | 201 | 233 | 32 | 15.9 |
| C39, C76, C80 | Other or unspecified | 320 | 323 | 3 | 0.9 |
| C81-96 | Lymphoid and haematopoietic tissue | 2552 | 2605 | 53 | 2.1 |
| C81 | Hodgkin lymphoma | 140 | 144 | 4 | 2.9 |
| C82-86, C96 | Non-Hodgkin lymphoma | 985 | 981 | -4 | -0.4 |
| C88 | Malignant immunoproliferative diseases | 56 | 66 | 10 | 17.9 |
| C90 | Multiple myeloma | 369 | 384 | 15 | 4.1 |
| | | 1002 | 1030 | | |

Cancer incidence, prevalence, mortality and survival in Norway 2015

Incidence

In 2015, there were 32 592 new cases of cancer (in 31 838 individuals) recorded in Norway, of which 17 498 occurred among men and 15 094 among women (Table 7). Cancers of the prostate, female breast, lung and colon were the most common cancers and accounted for 44% of the new cancer cases in 2015.

In men, prostate cancer continued to be the leading site for cancer incidence (5 061 cases), followed by lung (1 564 cases) and colon cancer (1 400 cases). Breast cancer remained the most frequent cancer in women, with 3 415 new cases in 2015, followed by colon and lung cancer, with 1 535 and 1 471 incident cases, respectively.

Of notice is that we have not received complete data for 2015 from the Cause of Death Registry. For some cancers, especially those with poor survival, the incidence numbers for 2015 might be underreported.

When comparing the rates in the last five-year period (2011–2015) with the previous one (2006–2010) (Table 15 a and b) we observe that:

- There has been an overall increase in rates for all cancers combined at about 3% for men and 5% for women.
- Prostate cancer rates appear to stabilise, while the rates for breast cancer have increased with 8%.
- The rates of malignant melanoma have increased remarkably for both men and women.
- Colon cancer rates have increased slightly, while the rates for rectum cancer have stabilised in both men and women.
- The rate of lung cancer for women is 10% higher in the last five-year period compared to the previous

- one, and is a matter of great concern. The rate of lung cancer in men has declined slightly.
- Among more uncommon cancer sites, there has been a notable increase in the rates for liver and thyroid cancer in both genders.
- We are informed that some hospitals have not reported clinical notifications for the last couple of years as they are waiting for a technical solution for exporting data electronically. The falling rates of CNS cancer may thus be due to an under-reporting of cases which are not histologically verified, especially benign cases.

The vast majority of cancers in Norway, over 90% in men and 85% in women, are diagnosed among those aged 50 years and older (Figure 5). In men, nearly half are diagnosed at age 70 or older, while 44% of all new cases occur between the ages 50 and 69. In women, 45% are diagnosed at age 70 or older, and 40% are diagnosed between 50 and 69. A larger proportion of cancers are diagnosed in women than men at the age of 25 to 49, while slightly over 1% of the cancer burden, an equal proportion in males and females, occurs in children and young adults.

Figure 6 shows the most common cancer types at different ages. The most commonly occurring cancers in boys and girls (0–14 years old) are tumours in the central nervous system and leukaemia. For young women (15–24) tumours in the central nervous system and Hodgkin lymphoma were the most common cancers, while testicular cancer was by far the most common one diagnosed in young men. Prostate cancer was the most frequent cancer in men above 50, while breast cancer was the lead in women from age 25 through 69. Colon cancer was the most common cancer in women above 70.

Figure 5. Percentage distribution of cancer incidence by age, 2011–2015

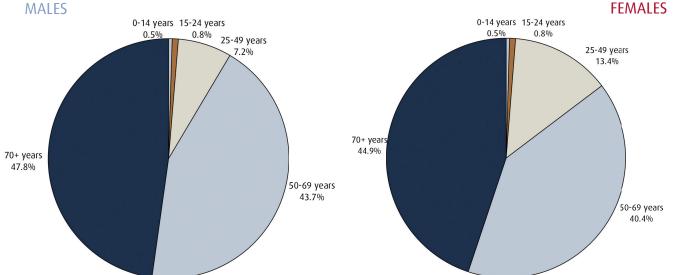


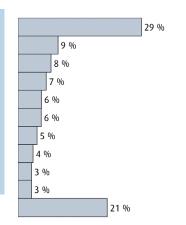
Table 7 Number and rates of new cases by primary site and sex. 2015

| | | | Cases | | Rate (Norwegia | an standard) | Rate (World | l standard |
|---------------------------|---|-----------|-----------|-----------|----------------|--------------|-------------|------------|
| CD10 | Site | Males | Females | Total | Males | Females | Males | Female |
| 200-96 | All sites | 17498 | 15094 | 32592 | 720.4 | 548.8 | 371.9 | 316. |
| 00-14 | Mouth, pharynx | 403 | 225 | 628 | 16.1 | 8.1 | 9.0 | 4. |
| C00 | Lip | 68 | 54 | 122 | 2.9 | 1.9 | 1.3 | 0. |
| C01-02 | Tongue | 86 | 51 | 137 | 3.3 | 1.8 | 2.1 | 1. |
| C03-06 | Mouth, other | 60 | 39 | 99 | 2.4 | 1.4 | 1.3 | 0. |
| C07-08 | Salivary glands | 36 | 40 | 76 | 1.5 | 1.5 | 0.8 | 0. |
| C09-14 | Pharynx | 153 | 41 | 194 | 6.0 | 1.6 | 3.6 | 1. |
| 15-26 | Digestive organs | 3519 | 3119 | 6638 | 146.5 | 110.0 | 71.5 | 54. |
| C15 | Oesophagus | 214 | 74 | 288 | 8.7 | 2.6 | 4.6 | 1. |
| C16 | Stomach | 286 | 161 | 447 | 12.2 | 5.6 | 5.6 | 2 |
| C17 | Small intestine | 98 | 71 | 169 | 4.0 | 2.6 | 2.2 | 1 |
| C18 | Colon | 1400 | 1535 | 2935 | 59.0 | 53.7 | 27.5 | 25 |
| C19-20 | Rectum, rectosigmoid | 771 | 562 | 1333 | 31.7 | 20.3 | 16.1 | 10 |
| C21 | Anus | 22 | 51 | 73 | 0.9 | 1.9 | 0.5 | 1 |
| C22 | Liver | 175 | 93 | 268 | 7.2 | 3.3 | 3.8 | 1 |
| C23-24 | Gallbladder, bile ducts | 75 | 80 | 155 | 3.1 | 2.8 | 1.6 | 1 |
| C25 | Pancreas | 415 | 410 | 825 | 17.1 | 14.3 | 8.5 | 6 |
| C26 | Other digestive organs | 63 | 82 | 145 | 2.6 | 2.9 | 1.3 | 1 |
| 30-34, C38 | Respiratory organs | 1671 | 1520 | 3191 | 68.9 | 54.9 | 33.0 | 28 |
| C30-31 | Nose, sinuses | 16 | 23 | 39 | 0.6 | 0.8 | 0.4 | 0 |
| C32 | Larynx, epiglottis | 86 | 21 | 107 | 3.5 | 0.8 | 1.8 | 0 |
| C33-34 | Lung, trachea | 1564 | 1471 | 3035 | 64.5 | 53.1 | 30.7 | 27 |
| C38 | Heart, mediastinum and pleura | 5 | 5 | 10 | 0.2 | 0.2 | 0.1 | 0 |
| 40-41 | Bone | 33 | 21 | 54 | 1.3 | 0.8 | 0.9 | 0 |
| 43 | Melanoma of the skin | 1018 | 983 | 2001 | 41.2 | 36.5 | 23.0 | 23 |
| 44 | Skin, non-melanoma | 1044 | 840 | 1884 | 47.4 | 28.2 | 18.2 | 11 |
| .45 | Mesothelioma | 65 | 13 | 78 | 2.8 | 0.5 | 1.2 | 0 |
| .47 | Autonomic nervous system | 4 | 7 | 11 | 0.2 | 0.3 | 0.1 | 0 |
| 48-49 | Soft tissues | 63 | 72 | 135 | 2.6 | 2.6 | 1.6 | 1 |
| 50 | Breast | 24 | 3415 | 3439 | 1.1 | 128.0 | 0.4 | 81 |
| 51-58 | Female genital organs | | 1786 | 1786 | | 66.4 | | 41 |
| C53 | Cervix uteri | | 370 | 370 | | 14.3 | | 11 |
| C54 | Corpus uteri | | 779 | 779 | | 28.7 | | 16 |
| C55 | Uterus, other | | 8 | 8 | | 0.3 | | 0 |
| C56, C57.0-4 | Ovary etc. | | 504 | 504 | | 18.7 | | 11 |
| C51-52, C57.7-9 | Other female genital | | 124 | 124 | | 4.4 | | 2 |
| C58 | Placenta | | 1 | 1 | | 0.0 | | C |
| 60-63 | Male genital organs | 5410 | | 5410 | 217.5 | | 117.8 | |
| C61 | Prostate | 5061 | | 5061 | 204.2 | | 106.2 | |
| C62 | Testis | 291 | | 291 | 11.0 | | 10.4 | |
| C60, C63 | Other male genital | 58 | | 58 | 2.3 | | 1.3 | |
| 64-68 | Urinary organs | 1831 | 774 | 2605 | 76.5 | 27.7 | 37.3 | 15 |
| C64 | Kidney excl. renal pelvis | 569 | 305 | 874 | 22.7 | 11.2 | 13.2 | 6 |
| C65-68 | Urinary tract (renal pelvis, ureters, urinary bladder, and urethra) | 1262 | 469 | 1731 | 53.7 | 16.5 | 24.1 | 8 |
| 69 | Eye | 41 | 41 | 82 | 1.7 | 1.6 | 1.0 | 1 |
| 70-72, D32-33 | Central nervous system | 435 | 502 | 937 | 17.1 | 18.8 | 12.2 | 13 |
| .73 | Thyroid gland | 101 | 262 | 363 | 3.9 | 10.0 | 2.7 | 7 |
| 37, C74-75 | Other endocrine glands | 83 | 97 | 180 | 3.2 | 3.7 | 2.3 | 2 |
| 39, C76, C80 | Other or unspecified | 151 | 174 | 325 | 6.7 | 5.9 | 2.8 | 2 |
| 81-96 | Lymphoid and haematopoietic tissue | 1602 | 1243 | 2845 | 65.8 | 44.8 | 36.6 | 25 |
| C81 | Hodgkin lymphoma | 110 | 53 | 163 | 4.2 | 2.1 | 3.6 | 1 |
| | Non-Hodgkin lymphoma | 602 | 451 | 1053 | 24.6 | 16.3 | 13.2 | 8 |
| C82-86, C96 | Non hougkin lymphoma | | | | | | | |
| , | Malignant immunoproliferative | | 17 | 53 | 1.5 | 0.6 | 0.7 | 0 |
| C82-86, C96 C88 C90 | · · · | 36 240 | 17 197 | 53 437 | 1.5 10.1 | 0.6 7.0 | 0.7 4.7 | 0 |

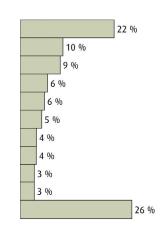
Figure 6. The most frequent types of cancer by age and sex, 2011–2015

A MALES all ages (84 619 cases)

B FEMALE all ages (71 795 cases)



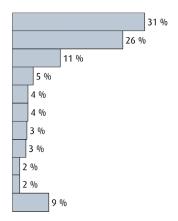
Prostate
Lung, trachea
Colon
Urinary tract
Skin, non-melanoma
Melanoma of the skin
Rectum, rectosigmoid
Leukaemia
Kidney excl. renal pelvis
Non-Hodgkin lymphoma
Remaining sites



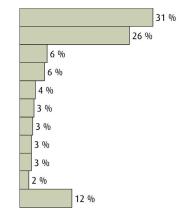
Breast
Colon
Lung, trachea
Melanoma of the skin
Skin, non-melanoma
Corpus uteri
Central nervous system
Rectum, rectosigmoid
Leukaemia
Ovary etc.
Remaining sites

C MALES 0-14 years (405 cases)

D FEMALE 0-14 years (324 cases)



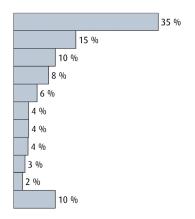
Leukaemia
Central nervous system
Non-Hodgkin lymphoma
Other endocrine glands
Kidney excl. renal pelvis
Soft tissues
Bone
Hodgkin lymphoma
Liver
Testis
Remaining sites



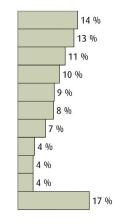
Leukaemia
Central nervous system
Kidney excl. renal pelvis
Non-Hodgkin lymphoma
Hodgkin lymphoma
Other endocrine glands
Soft tissues
Thyroid gland
Bone
Liver
Remaining sites

E MALES 15-24 years (685 cases)

F FEMALE 15-24 years (581 cases)



Testis
Central nervous system
Hodgkin lymphoma
Leukaemia
Other endocrine glands
Melanoma of the skin
Colon
Non-Hodgkin lymphoma
Bone
Thyroid gland
Remaining sites

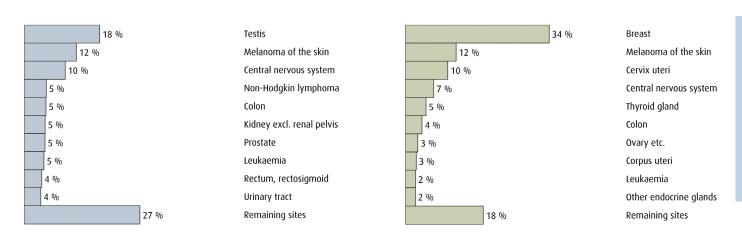


Central nervous system
Hodgkin lymphoma
Melanoma of the skin
Other endocrine glands
Thyroid gland
Leukaemia
Colon
Cervix uteri
Ovary etc.
Non-Hodgkin lymphoma
Remaining sites

Figure 6. The most frequent types of cancer by age and sex, 2011–2015

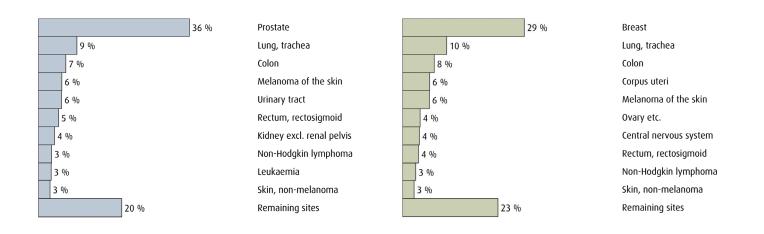
G MALES 25-49 years (6 089 cases)

H FEMALE 25-49 years (9 647 cases)



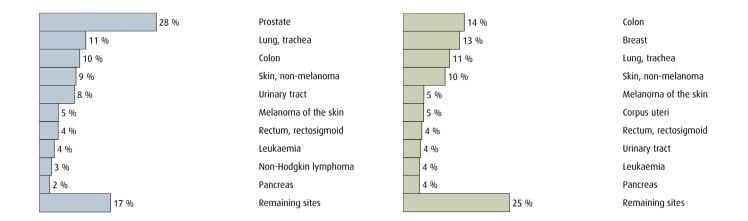
I MALES 50-69 years (36 978 cases)

J FEMALE 50-69 years (29 031 cases)



K MALES 70+ years (40 462 cases)

L FEMALE 70+ years (32 212 cases)



The age-standardised rates and male to female ratio (M:F) for selected cancer types in 1981–1985 and 2011–2015 are compared in Table 8. Men tend to have higher incidence rates for most cancer types in both time periods, with the exceptions of melanoma of the skin, cancer in the gallbladder, cancer in anus and thyroid cancer. The highest M:F ratios were observed for several of the head and neck cancers.

Some cancers, including cancer of the bladder, kidney, liver, stomach, rectum and leukaemia, are consistently more common among men. The decline in the M:F ratios for several neoplasms over the last 25 years is largely the result of declining incidence trends in men and increasing trends in women for a number of cancer types. This is especially striking for lung cancer.

 Table 8
 Sex ratios (male:female) of age-adjusted rates (Norwegian standard) in 1981-85 and 2011-15 by primary site, sorted in descending order in last period

| | | | 1981-85 | | 2 | 011-15 | |
|----------------|---|------|---------|------------|------|--------|------------|
| ICD10 | Site | М | F | M: F ratio | М | F | M: F ratio |
| C32 | Larynx, epiglottis | 5.9 | 0.5 | 11.0 | 4.3 | 0.7 | 5.9 |
| C15 | Oesophagus | 5.2 | 1.6 | 3.2 | 8.5 | 2.5 | 3.5 |
| C65-68 | Urinary tract (renal pelvis, ureters, urinary bladder, and urethra) | 40.9 | 11.9 | 3.4 | 50.4 | 15.5 | 3.2 |
| C09-14 | Pharynx | 3.0 | 0.9 | 3.2 | 5.2 | 1.7 | 3.1 |
| C64 | Kidney excl. renal pelvis | 14.2 | 7.0 | 2.0 | 22.7 | 9.7 | 2.3 |
| C22 | Liver | 3.8 | 2.1 | 1.8 | 6.5 | 3.1 | 2.1 |
| C16 | Stomach | 36.1 | 18.1 | 2.0 | 13.2 | 6.4 | 2.1 |
| C00 | Lip | 6.1 | 1.0 | 6.3 | 3.2 | 1.7 | 1.9 |
| C01-02 | Tongue | 2.0 | 1.1 | 1.9 | 3.2 | 1.7 | 1.9 |
| C19-20 | Rectum, rectosigmoid | 30.6 | 18.5 | 1.7 | 32.9 | 20.3 | 1.6 |
| C91-95, D45-47 | Leukaemia | 13.8 | 8.4 | 1.6 | 16.2 | 10.4 | 1.6 |
| C90 | Multiple myeloma | 9.2 | 6.0 | 1.5 | 9.7 | 6.5 | 1.5 |
| C82-86, C96 | Non-Hodgkin lymphoma | 11.8 | 9.1 | 1.3 | 23.1 | 16.6 | 1.4 |
| C33-34 | Lung, trachea | 59.7 | 14.5 | 4.1 | 70.0 | 51.1 | 1.4 |
| C81 | Hodgkin lymphoma | 2.9 | 1.7 | 1.7 | 3.3 | 2.5 | 1.4 |
| C25 | Pancreas | 18.5 | 12.2 | 1.5 | 16.4 | 14.1 | 1.2 |
| C18 | Colon | 39.5 | 36.0 | 1.1 | 58.7 | 52.5 | 1.1 |
| C43 | Melanoma of the skin | 14.4 | 17.2 | 0.8 | 39.5 | 35.5 | 1.1 |
| C23-24 | Gallbladder, bile ducts | 2.6 | 3.8 | 0.7 | 3.4 | 3.5 | 1.0 |
| C21 | Anus | 0.7 | 1.2 | 0.6 | 0.9 | 2.0 | 0.5 |
| C73 | Thyroid gland | 2.5 | 7.0 | 0.4 | 4.0 | 9.5 | 0.4 |

Figure 7 depicts time trends in incidence for a number of selected cancers. Of note are:

The incidence has increased in Norway for most cancer types since the first observation period. Among common cancers, the most pronounced increases were seen for lung cancer, skin cancer (both melanoma and non-melanoma), non-Hodgkin lymphoma, tumours of the central nervous system, colon and rectum cancer, prostate cancer, and testicular cancer.

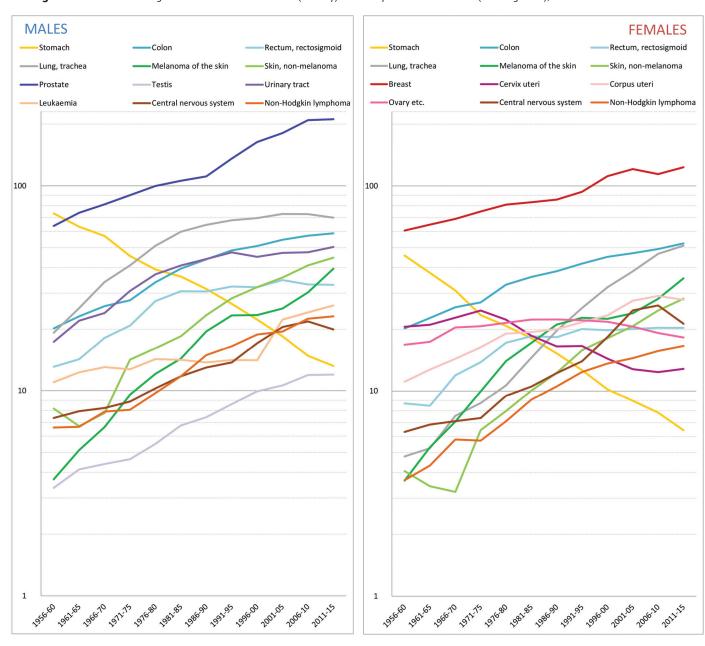
Stomach cancer is one of the few that demonstrates a sharply declining trend. In the first observation period, stomach cancer was the most common cancer in men and women combined, in line with observations of cancer mortality reported by Norwegian general practitioners one hundred years ago (Gade, 1916). The monotonous drop in incidence over 6 decades reflect improvement in hygiene and environmental exposures. Changes in the prevalence of Helicobacter pylori infection and in dietary habits (refrigerators) are likely contributors to this trend. The decline also demonstrates the vast potential in cancer prevention.

The age-standardised incidence rate of prostate cancer has tripled since the start of registration in the early 1950s. A dramatic upsurge from around 1990 illustrates the influence of changes in diagnostic practice with increasing screening tests ordered by general practitioners. The introduction and subsequent widespread use of the Prostate Specific Antigen (PSA) test, followed by biopsies, is the main explanation for this trend.

The incidence of breast cancer has doubled since the beginning of registration. The trend was monotonous upwards until 2005, with a somewhat steeper rise in the late 1990s following the implementation of the Norwegian Breast Cancer Screening Programme. During the last decade, the rate seemed to level off, although there is certain variation from year to year, as seen in table 11b. This might be due to better diagnostic tool used in the programme or locally in studies, or that women continue to have mammography after the age of 70, but it might also reflect random variations.

In women, the incidence of lung cancer has increased

Figure 7. Time trends in age-standardised incidence rates (Norway) in Norway for selected cancers (semi log-scale), 1956-2015



almost tenfold since the beginning of the 1950's. The incidence of lung cancer among men has been levelling off in the last two decades, and we are now seeing a tendency toward a decline. This pattern is however not observed for women, were the overall trend is still increasing, and the incidence is currently at the same level as that of colon cancer.

Melanoma of the skin is another great concern. From being an uncommon cancer in 1953, it now ranks among the leading ones among men and women alike. After a period with levelling off during the 1990s, we have seen a consistent rise during the last decade, most probably caused by an increase in exposure to ultraviolet rays through sun tanning and solarium use.

The downward trend in cancer of the uterine cervix (cervical cancer) is a result of identification and treatment of premalignant conditions as part of an

organised screening programme. In 2009, vaccination against human papilloma virus (HPV) was introduced as part of the Childhood Immunisation Programme in Norway for girls born in 1997 and after. A catch up programme will be implemented, starting in November 2016. Still, we do not expect this primary prevention to affect the incidence rate for another 15 to 20 years.

For some common cancers, the explanation for the increase in incidence rate is unknown or incompletely understood. Colon cancer has been associated with an affluent western lifestyle, such as diet, smoking, obesity and lack of exercise. For testicular cancer and non-Hodgkin lymphoma, genetic factors play a role, while other determinants are largely unknown.

More detailed trends in incidence, mortality and survival for 23 cancers are provided later in this report.

Even if rates were to remain stable over the next 15 years, the number of new cases would increase as a result of the joint effects of population growth and ageing. The NORDCAN project (www.dep.iarc.fr/NORDCAN) provides access to online computations of short and long-term predictions of incidence and mortality in the Nordic countries.

Table 9 and Figure 8 show the cumulative risk of cancer for the 15 most common cancers in men and women. One in three Norwegians will develop a cancer before the age of 75. The risk of prostate cancer ranks highest in men, where one in seven men will develop this cancer by the age of 75. The cumulative risk of breast cancer ranks the highest in women, with the figure of 8.5% indicating that about one in 12 Norwegian women develop this disease before

turning 75. As among men, lung and colon cancers rank second and third.

Tables 10–19 provide further information on cancer incidence in Norway. The number of incident cases and rates are tabulated according to year of diagnosis, age group, county of residence, and stage.

Further information

13.6 Prostate

This report is available online at the website for Cancer Registry of Norway.

Figure 8. Cumulative risk of developing cancer (%) by the age of 75 for selected cancers by sex, 2011–2015 MALES

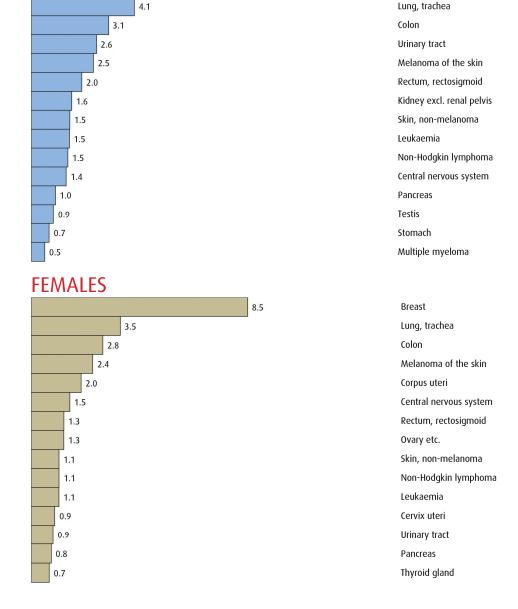


 Table 9
 Cumulative risk of developing cancer (%) by the age of 75 by primary site and sex, 2011-2015

| ICD10 | Site | Males | Females |
|-----------------|---|-------|---------|
| C00-96 | All sites | 36.2 | 29.5 |
| C00-14 | Mouth, pharynx | 1.0 | 0.5 |
| C00 | Lip | 0.2 | 0.1 |
| C01-02 | Tongue | 0.2 | 0.1 |
| C03-06 | Mouth, other | 0.2 | 0.1 |
| C07-08 | Salivary glands | 0.1 | 0.1 |
| C09-14 | Pharynx | 0.4 | 0.1 |
| C15-26 | Digestive organs | 8.1 | 6.1 |
| C15 | Oesophagus | 0.5 | 0.2 |
| C16 | Stomach | 0.7 | 0.3 |
| C17 | Small intestine | 0.3 | 0.1 |
| C18 | Colon | 3.1 | 2.8 |
| C19-20 | Rectum, rectosigmoid | 2.0 | 1.3 |
| C21 | Anus | 0.1 | 0.1 |
| C22 | Liver | 0.4 | 0.2 |
| C23-24 | Gallbladder, bile ducts | 0.2 | 0.2 |
| C25 | Pancreas | 1.0 | 0.8 |
| C26 | Other digestive organs | 0.1 | 0.1 |
| C30-34, C38 | Respiratory organs | 4.5 | 3.6 |
| C30-31 | Nose, sinuses | 0.1 | 0.0 |
| C32 | Larynx, epiglottis | 0.3 | 0.0 |
| C33-34 | Lung, trachea | 4.1 | 3.5 |
| C38 | Heart, mediastinum and pleura | 0.0 | 0.0 |
| C40-41 | Bone | 0.1 | 0.1 |
| C43 | Melanoma of the skin | 2.5 | 2.4 |
| C44 | Skin, non-melanoma | 1.5 | 1.1 |
| C45 | Mesothelioma | 0.2 | 0.0 |
| C47 | Autonomic nervous system | 0.0 | 0.0 |
| C48-49 | Soft tissues | 0.2 | 0.2 |
| C50 | Breast | 0.1 | 8.5 |
| C51-58 | Female genital organs | | 4.4 |
| C53 | Cervix uteri | | 0.9 |
| C54 | Corpus uteri | | 2.0 |
| C55 | Uterus, other | | 0.0 |
| C56, C57.0-4 | Ovary etc. | | 1.3 |
| C51-52, C57.7-9 | Other female genital | | 0.2 |
| C58 | Placenta | | 0.0 |
| C60-63 | Male genital organs | 14.5 | |
| C61 | Prostate | 13.6 | |
| C62 | Testis | 0.9 | |
| C60, C63 | Other male genital | 0.1 | |
| C64-68 | Urinary organs | 4.2 | 1.5 |
| C64 | Kidney excl. renal pelvis | 1.6 | 0.7 |
| C65-68 | Urinary tract (renal pelvis, ureters, urinary bladder, and urethra) | 2.6 | 0.9 |
| C69 | Eye | 0.1 | 0.1 |
| C70-72, D32-33 | Central nervous system | 1.4 | 1.5 |
| C73 | Thyroid gland | 0.3 | 0.7 |
| C37, C74-75 | Other endocrine glands | 0.3 | 0.3 |
| C39, C76, C80 | Other or unspecified | 0.3 | 0.2 |
| C81-96 | Lymphoid and haematopoietic tissue | 3.8 | 2.8 |
| C81 | Hodgkin lymphoma | 0.3 | 0.2 |
| C82-86, C96 | Non-Hodgkin lymphoma | 1.5 | 1.1 |
| | Malignant immunoproliferative diseases | 0.1 | 0.1 |
| (X X | | | |
| C88 | Multiple myeloma | 0.5 | 0.1 |

| | | | | | | Ye | | | | | |
|--------------------|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| ICD10 | Site | 2006 | 07 | 80 | 09 | 10 | 11 | 12 | 13 | 14 | 2015 |
| C00-96 | All sites | 13638 | 14546 | 14772 | 15135 | 15275 | 16380 | 16726 | 16740 | 17275 | 17498 |
| C00-14 | Mouth, pharynx | 276 | 275 | 269 | 344 | 313 | 327 | 361 | 334 | 403 | 403 |
| C00 | Lip | 68 | 65 | 53 | 82 | 77 | 80 | 70 | 62 | 76 | 68 |
| C01-02 | Tongue | 46 | 57 | 63 | 74 | 60 | 70 | 71 | 82 | 84 | 86 |
| C03-06 | Mouth, other | 53 | 40 | 43 | 65 | 52 | 38 | 56 | 57 | 61 | 60 |
| C07-08 | Salivary glands | 14 | 18 | 18 | 23 | 28 | 18 | 30 | 28 | 45 | 36 |
| C09-14 | Pharynx | 95 | 95 | 92 | 100 | 96 | 121 | 134 | 105 | 137 | 153 |
| C15-26 | Digestive organs | 2730 | 2854 | 2938 | 2955 | 3233 | 3136 | 3325 | 3425 | 3468 | 3519 |
| C15 | Oesophagus | 148 | 131 | 161 | 149 | 187 | 181 | 175 | 200 | 225 | 214 |
| C16 | Stomach | 303 | 336 | 299 | 264 | 299 | 325 | 285 | 303 | 302 | 286 |
| C17 | Small intestine | 66 | 67 | 65 | 82 | 71 | 87 | 104 | 87 | 96 | 98 |
| C18 | Colon | 1077 | 1106 | 1173 | 1124 | 1300 | 1231 | 1298 | 1334 | 1360 | 1400 |
| C19-20 | Rectum, rectosigmoid | 640 | 635 | 677 | 731 | 745 | 698 | 752 | 798 | 812 | 771 |
| C21 | Anus | 16 | 18 | 20 | 20 | 34 | 20 | 24 | 15 | 27 | 22 |
| C22 | Liver | 88 | 98 | 98 | 98 | 128 | 130 | 136 | 174 | 142 | 175 |
| C23-24 | Gallbladder, bile ducts | 58 | 59 | 66 | 74 | 87 | 59 | 87 | 97 | 73 | 75 |
| C25 | Pancreas | 303 | 366 | 341 | 360 | 319 | 334 | 403 | 360 | 375 | 415 |
| C26 | Other digestive organs | 31 | 38 | 38 | 53 | 63 | 71 | 61 | 57 | 56 | 63 |
| C30-34, C38 | Respiratory organs | 1612 | 1626 | 1625 | 1660 | 1684 | 1768 | 1783 | 1718 | 1771 | 1671 |
| C30-31 | Nose, sinuses | 17 | 27 | 25 | 23 | 19 | 22 | 32 | 34 | 30 | 16 |
| C32 | Larynx, epiglottis | 116 | 78 | 113 | 90 | 106 | 100 | 98 | 104 | 115 | 86 |
| C33-34 | Lung, trachea | 1469 | 1501 | 1481 | 1539 | 1549 | 1636 | 1643 | 1572 | 1616 | 1564 |
| C38 | Heart, mediastinum and pleura | 10 | 20 | 6 | 8 | 10 | 10 | 10 | 8 | 10 | 5 |
| C40-41 | Bone | 24 | 21 | 23 | 37 | 27 | 28 | 33 | 18 | 28 | 33 |
| C43 | Melanoma of the skin | 560 | 581 | 671 | 703 | 747 | 871 | 896 | 848 | 1028 | 1018 |
| C44 | Skin, non-melanoma | 749 | 727 | 775 | 852 | 822 | 860 | 889 | 910 | 1008 | 1044 |
| C45 | Mesothelioma | 56 | 63 | 64 | 69 | 79 | 64 | 65 | 78 | 58 | 65 |
| C47 | Autonomic nervous system | 7 | 7 | 8 | 7 | 6 | 5 | 5 | 6 | 7 | 4 |
| C48-49 | Soft tissues | 62 | 67 | 49 | 71 | 52 | 67 | 81 | 78 | 61 | 63 |
| C50 | Breast | 14 | 19 | 21 | 15 | 13 | 27 | 28 | 35 | 24 | 24 |
| C60-63 | Male genital organs | 4180 | 4782 | 4786 | 4745 | 4569 | 5311 | 5272 | 5246 | 5311 | 5410 |
| C61 | Prostate | 3891 | 4441 | 4436 | 4383 | 4256 | 4986 | 4908 | 4867 | 4931 | 5061 |
| C62 | Testis | 253 | 297 | 300 | 314 | 267 | 286 | 321 | 332 | 322 | 291 |
| C60, C63 | Other male genital | 36 | 44 | 50 | 48 | 46 | 39 | 43 | 47 | 58 | 58 |
| C64-68 | Urinary organs | 1287 | 1375 | 1384 | 1410 | 1445 | 1533 | 1609 | 1637 | 1782 | 1831 |
| C64 | Kidney excl. renal pelvis | 362 | 397 | 414 | 427 | 487 | 520 | 532 | 535 | 576 | 569 |
| C65-68 | Urinary tract (renal pelvis, ureters, urinary bladder, and urethra) | 925 | 978 | 970 | 983 | 958 | 1013 | 1077 | 1102 | 1206 | 1262 |
| C 69 | Eye | 37 | 29 | 40 | 26 | 38 | 26 | 29 | 34 | 49 | 41 |
| C70-72, D32-33 | Central nervous system | 451 | 529 | 480 | 481 | 488 | 508 | 522 | 493 | 488 | 435 |
| C73 | Thyroid gland | 77 | 67 | 60 | 73 | 81 | 77 | 92 | 106 | 112 | 101 |
| C37, C74-75 | Other endocrine glands | 96 | 141 | 135 | 147 | 109 | 128 | 142 | 115 | 124 | 83 |
| C39, C76, C80 | Other or unspecified | 200 | 176 | 170 | 170 | 146 | 165 | 125 | 148 | 155 | 151 |
| C81-96 | Lymphoid and haematopoietic tissue | 1220 | 1207 | 1274 | 1370 | 1423 | 1479 | 1469 | 1511 | 1398 | 1602 |
| | | 69 | 71 | 80 | 83 | 82 | 69 | 88 | 74 | 81 | 110 |
| C81 | Hodgkin lymphoma | | | | | | | | | | |
| C81 C82-86, C96 | Non-Hodgkin lymphoma | 468 | 429 | 469 | 487 | 552 | 507 | 527 | 550 | 530 | 602 |
| | | 468 33 | 429 36 | 469 34 | 487 28 | 552 34 | 507 33 | 527 52 | 550 36 | 530 36 | 602 36 |
| C82-86, C96 | Non-Hodgkin lymphoma Malignant immunoproliferative | | | | | | | | | | |

 Table 10b
 Number of new cases by primary site and year, 2006-2015

FEMALES

| | | | | | | Ye | ar | | | | |
|-----------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ICD10 | Site | 2006 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 2015 |
| C00-96 | All sites | 12438 | 12522 | 12703 | 13045 | 13339 | 13861 | 13759 | 14177 | 14904 | 15094 |
| C00-14 | Mouth, pharynx | 189 | 159 | 188 | 167 | 208 | 199 | 183 | 191 | 213 | 225 |
| C00 | Lip | 43 | 46 | 49 | 35 | 54 | 46 | 41 | 49 | 45 | 54 |
| C01-02 | Tongue | 38 | 24 | 33 | 34 | 33 | 38 | 47 | 45 | 49 | 51 |
| C03-06 | Mouth, other | 50 | 36 | 40 | 44 | 43 | 41 | 31 | 42 | 47 | 39 |
| C07-08 | Salivary glands | 22 | 23 | 25 | 17 | 32 | 29 | 16 | 18 | 26 | 40 |
| C09-14 | Pharynx | 36 | 30 | 41 | 37 | 46 | 45 | 48 | 37 | 46 | 41 |
| C15-26 | Digestive organs | 2683 | 2691 | 2745 | 2851 | 2744 | 2878 | 2949 | 3023 | 3108 | 3119 |
| C15 | Oesophagus | 45 | 56 | 59 | 54 | 65 | 60 | 72 | 63 | 70 | 74 |
| C16 | Stomach | 218 | 216 | 213 | 223 | 175 | 199 | 182 | 164 | 190 | 161 |
| C17 | Small intestine | 45 | 55 | 52 | 76 | 62 | 66 | 61 | 48 | 76 | 71 |
| C18 | Colon | 1285 | 1264 | 1280 | 1357 | 1270 | 1394 | 1422 | 1454 | 1463 | 1535 |
| C19-20 | Rectum, rectosigmoid | 516 | 505 | 518 | 519 | 529 | 530 | 502 | 581 | 569 | 562 |
| C21 | Anus | 41 | 42 | 42 | 49 | 53 | 38 | 48 | 59 | 65 | 51 |
| C22 | Liver | 44 | 54 | 65 | 65 | 78 | 81 | 82 | 81 | 86 | 93 |
| C23-24 | Gallbladder, bile ducts | 78 | 83 | 82 | 84 | 92 | 87 | 103 | 102 | 106 | 80 |
| C25 | Pancreas | 372 | 361 | 371 | 363 | 349 | 365 | 396 | 391 | 395 | 410 |
| C26 | Other digestive organs | 39 | 55 | 63 | 61 | 71 | 58 | 81 | 80 | 88 | 82 |
| C30-34, C38 | Respiratory organs | 1077 | 1162 | 1200 | 1199 | 1321 | 1280 | 1364 | 1379 | 1490 | 1520 |
| C30-31 | Nose, sinuses | 19 | 33 | 16 | 12 | 20 | 20 | 19 | 20 | 18 | 23 |
| C32 | Larynx, epiglottis | 12 | 17 | 23 | 20 | 19 | 16 | 19 | 21 | 19 | 21 |
| C33-34 | Lung, trachea | 1040 | 1104 | 1157 | 1159 | 1274 | 1236 | 1322 | 1333 | 1448 | 1471 |
| C38 | Heart, mediastinum and pleura | 6 | 8 | 4 | 8 | 8 | 8 | 4 | 5 | 5 | 5 |
| C40-41 | Bone | 20 | 22 | 23 | 28 | 25 | 23 | 13 | 25 | 30 | 21 |
| C43 | Melanoma of the skin | 661 | 641 | 622 | 729 | 792 | 877 | 889 | 897 | 1003 | 983 |
| C44 | Skin, non-melanoma | 643 | 670 | 676 | 744 | 707 | 781 | 776 | 810 | 927 | 840 |
| C45 | Mesothelioma | 21 | 14 | 10 | 12 | 14 | 13 | 16 | 11 | 11 | 13 |
| C47 | Autonomic nervous system | 8 | 4 | 7 | 5 | 5 | 1 | 0 | 6 | 9 | 7 |
| C48-49 | Soft tissues | 82 | 94 | 80 | 101 | 90 | 82 | 81 | 90 | 87 | 72 |
| C50 | Breast | 2717 | 2729 | 2742 | 2735 | 2847 | 3085 | 2946 | 3197 | 3328 | 3415 |
| C51-58 | Female genital organs | 1563 | 1531 | 1594 | 1588 | 1666 | 1668 | 1543 | 1597 | 1720 | 1786 |
| C53 | Cervix uteri | 317 | 279 | 295 | 297 | 309 | 293 | 313 | 288 | 357 | 370 |
| C54 | Corpus uteri | 660 | 673 | 718 | 715 | 759 | 746 | 651 | 765 | 734 | 779 |
| C55 | Uterus, other | 9 | 3 | 8 | 11 | 6 | 5 | 6 | 8 | 13 | 8 |
| C56, C57.0-4 | Ovary etc. | 469 | 475 | 483 | 452 | 474 | 514 | 461 | 432 | 487 | 504 |
| C51-52, C57.7-9 | Other female genital | 105 | 100 | 90 | 111 | 115 | 105 | 108 | 102 | 127 | 124 |
| C58 | Placenta | 3 | 1 | 0 | 2 | 3 | 5 | 4 | 2 | 2 | 1 |
| C64-68 | Urinary organs | 565 | 577 | 602 | 607 | 639 | 652 | 667 | 684 | 658 | 774 |
| C64 | Kidney excl. renal pelvis | 212 | 253 | 257 | 238 | 242 | 260 | 257 | 230 | 235 | 305 |
| C65-68 | Urinary tract (renal pelvis, ureters, urinary bladder, and urethra) | 353 | 324 | 345 | 369 | 397 | 392 | 410 | 454 | 423 | 469 |
| C69 | Eye | 30 | 29 | 31 | 38 | 31 | 33 | 31 | 45 | 45 | 41 |
| C70-72, D32-33 | Central nervous system | 643 | 659 | 613 | 658 | 605 | 592 | 584 | 539 | 543 | 502 |
| C73 | Thyroid gland | 148 | 160 | 175 | 184 | 205 | 220 | 226 | 249 | 248 | 262 |
| C37, C74-75 | Other endocrine glands | 127 | 127 | 163 | 131 | 122 | 141 | 117 | 140 | 109 | 97 |
| C39, C76, C80 | Other or unspecified | 243 | 233 | 191 | 200 | 184 | 167 | 157 | 171 | 168 | 174 |
| C81-96 | Lymphoid and haematopoietic tissue | 1018 | 1020 | 1041 | 1068 | 1134 | 1169 | 1217 | 1123 | 1207 | 1243 |
| C81 | Hodgkin lymphoma | 47 | 50 | 45 | 50 | 57 | 73 | 64 | 56 | 63 | 53 |
| C82-86, C96 | Non-Hodgkin lymphoma | 391 | 383 | 372 | 399 | 406 | 447 | 458 | 412 | 451 | 451 |
| C88 | Malignant immunoproliferative diseases | 25 | 19 | 17 | 28 | 27 | 26 | 32 | 33 | 30 | 17 |
| C90 | Multiple myeloma | 147 | 170 | 163 | 163 | 182 | 142 | 181 | 177 | 190 | 197 |
| C91-95, D45-47 | Leukaemia | 408 | 398 | 444 | 428 | 462 | 481 | 482 | 445 | 473 | 525 |

Table 11a Age-standardised (Norwegian standard) incidence rates per 100 000 person-years by primary site and year, 2006-2015

MALES

| 2015 | | | | | | Ve | ear | | | | |
|----------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ICD10 | Site | 2006 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 2015 |
| C00-96 | All sites | 685.2 | 716.4 | 712.5 | 718.4 | 708.5 | 741.7 | 739.4 | 722.1 | 729.5 | 720.4 |
| C00-14 | Mouth, pharynx | 13.4 | 13.1 | 12.4 | 15.8 | 14.1 | 14.5 | 15.4 | 14.0 | 16.4 | 16.1 |
| C00 | Lip | 3.5 | 3.3 | 2.6 | 4.0 | 3.7 | 3.7 | 3.2 | 2.7 | 3.3 | 2.9 |
| C01-02 | Tonque | 2.3 | 2.7 | 2.9 | 3.3 | 2.6 | 3.0 | 3.1 | 3.4 | 3.3 | 3.3 |
| C03-06 | Mouth, other | 2.5 | 1.9 | 2.0 | 3.1 | 2.4 | 1.8 | 2.4 | 2.4 | 2.5 | 2.4 |
| C07-08 | Salivary glands | 0.7 | 0.8 | 0.8 | 1.1 | 1.3 | 0.8 | 1.3 | 1.2 | 1.9 | 1.5 |
| C09-14 | Pharynx | 4.4 | 4.4 | 4.1 | 4.3 | 4.1 | 5.0 | 5.5 | 4.2 | 5.4 | 6.0 |
| C15-26 | Digestive organs | 138.9 | 142.5 | 143.5 | 142.6 | 151.8 | 143.9 | 148.8 | 149.3 | 148.1 | 146.5 |
| C15 | Oesophagus | 7.5 | 6.4 | 7.8 | 7.0 | 8.7 | 8.1 | 7.6 | 8.7 | 9.5 | 8.7 |
| C16 | Stomach | 15.8 | 16.8 | 14.7 | 13.0 | 14.0 | 15.0 | 12.8 | 13.2 | 13.0 | 12.2 |
| C17 | Small intestine | 3.2 | 3.2 | 3.1 | 3.7 | 3.2 | 3.9 | 4.5 | 3.7 | 4.0 | 4.0 |
| C18 | Colon | 55.1 | 55.8 | 57.5 | 55.0 | 61.8 | 57.4 | 58.6 | 59.1 | 59.3 | 59.0 |
| C19-20 | Rectum, rectosigmoid | 32.1 | 31.3 | 32.8 | 34.7 | 34.3 | 31.6 | 33.5 | 34.0 | 34.0 | 31.7 |
| C21 | Anus | 0.7 | 0.9 | 1.0 | 0.9 | 1.5 | 0.8 | 1.1 | 0.7 | 1.1 | 0.9 |
| C22 | Liver | 4.4 | 4.7 | 4.6 | 4.7 | 6.0 | 5.8 | 5.9 | 7.5 | 5.9 | 7.2 |
| C23-24 | Gallbladder, bile ducts | 2.9 | 3.0 | 3.3 | 3.7 | 4.0 | 2.6 | 4.0 | 4.2 | 3.0 | 3.1 |
| C25 | Pancreas | 15.4 | 18.4 | 16.7 | 17.4 | 15.2 | 15.3 | 18.0 | 15.8 | 16.0 | 17.1 |
| C26 | Other digestive organs | 1.8 | 2.1 | 1.9 | 2.6 | 3.0 | 3.4 | 2.8 | 2.5 | 2.5 | 2.6 |
| C30-34, C38 | Respiratory organs | 80.5 | 79.4 | 78.5 | 78.9 | 78.4 | 80.5 | 79.7 | 74.6 | 75.6 | 68.9 |
| C30-31 | Nose, sinuses | 0.9 | 1.3 | 1.3 | 1.1 | 0.8 | 1.0 | 1.4 | 1.4 | 1.3 | 0.6 |
| C32 | Larynx, epiglottis | 5.7 | 3.7 | 5.3 | 4.2 | 4.9 | 4.4 | 4.3 | 4.4 | 4.8 | 3.5 |
| C33-34 | Lung, trachea | 73.4 | 73.4 | 71.7 | 73.3 | 72.1 | 74.7 | 73.5 | 68.4 | 69.1 | 64.5 |
| C38 | Heart, mediastinum and pleura | 0.5 | 1.0 | 0.3 | 0.4 | 0.4 | 0.5 | 0.5 | 0.3 | 0.4 | 0.2 |
| C40-41 | Bone | 1.1 | 0.9 | 1.0 | 1.6 | 1.1 | 1.1 | 1.3 | 0.7 | 1.1 | 1.3 |
| C43 | Melanoma of the skin | 26.8 | 27.5 | 31.1 | 32.1 | 33.3 | 38.3 | 38.9 | 35.9 | 42.8 | 41.2 |
| C44 | Skin, non-melanoma | 40.0 | 38.4 | 40.8 | 43.8 | 41.5 | 42.6 | 42.9 | 43.3 | 46.8 | 47.4 |
| C45 | Mesothelioma | 2.9 | 3.1 | 3.2 | 3.2 | 3.9 | 3.0 | 3.0 | 3.5 | 2.5 | 2.8 |
| C47 | Autonomic nervous system | 0.4 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 |
| C48-49 | Soft tissues | 2.9 | 3.1 | 2.2 | 3.4 | 2.3 | 2.8 | 3.4 | 3.2 | 2.5 | 2.6 |
| C50 | Breast | 0.7 | 0.9 | 1.0 | 0.7 | 0.6 | 1.2 | 1.3 | 1.5 | 1.0 | 1.1 |
| C60-63 | Male genital organs | 211.9 | 237.5 | 231.2 | 224.3 | 210.6 | 238.2 | 229.4 | 222.7 | 220.2 | 217.5 |
| C61 | Prostate | 199.3 | 222.8 | 216.4 | 209.2 | 197.7 | 225.1 | 215.1 | 207.8 | 205.4 | 204.2 |
| C62 | Testis | 10.9 | 12.6 | 12.5 | 12.8 | 10.8 | 11.4 | 12.5 | 12.8 | 12.2 | 11.0 |
| C60, C63 | Other male genital | 1.8 | 2.1 | 2.3 | 2.3 | 2.1 | 1.7 | 1.8 | 2.1 | 2.5 | 2.3 |
| C64-68 | Urinary organs | 64.9 | 67.5 | 67.0 | 67.3 | 67.8 | 69.8 | 71.7 | 71.1 | 75.9 | 76.5 |
| C64 | Kidney excl. renal pelvis | 17.8 | 18.9 | 19.2 | 19.6 | 21.7 | 22.8 | 22.6 | 22.3 | 23.4 | 22.7 |
| C65-68 | Urinary tract (renal pelvis, ureters, urinary bladder, and urethra) | 47.1 | 48.6 | 47.8 | 47.7 | 46.0 | 47.1 | 49.2 | 48.9 | 52.5 | 53.7 |
| C69 | Eye | 1.8 | 1.3 | 1.9 | 1.2 | 1.7 | 1.2 | 1.2 | 1.4 | 2.0 | 1.7 |
| C70-72, D32-33 | Central nervous system | 20.8 | 24.3 | 21.4 | 21.3 | 21.4 | 21.5 | 21.8 | 20.0 | 19.6 | 17.1 |
| C73 | Thyroid gland | 3.6 | 3.0 | 2.6 | 3.2 | 3.4 | 3.2 | 3.8 | 4.3 | 4.5 | 3.9 |
| C37, C74-75 | Other endocrine glands | 4.3 | 6.3 | 6.0 | 6.4 | 4.6 | 5.4 | 5.8 | 4.7 | 4.9 | 3.2 |
| C39, C76, C80 | Other or unspecified | 10.5 | 9.2 | 8.8 | 8.6 | 7.1 | 7.9 | 5.9 | 7.0 | 7.0 | 6.7 |
| C81-96 | Lymphoid and haematopoietic tissue | 59.8 | 58.1 | 59.8 | 63.7 | 64.8 | 66.3 | 64.8 | 64.6 | 58.4 | 65.8 |
| C81 | Hodgkin lymphoma | 3.0 | 3.0 | 3.5 | 3.5 | 3.5 | 2.8 | 3.6 | 2.9 | 3.2 | 4.2 |
| C82-86, C96 | Non-Hodgkin lymphoma | 22.7 | 20.4 | 21.8 | 22.6 | 24.9 | 22.5 | 23.1 | 23.2 | 22.1 | 24.6 |
| C88 | Malignant immunoproliferative diseases | 1.7 | 1.8 | 1.7 | 1.3 | 1.6 | 1.5 | 2.3 | 1.5 | 1.5 | 1.5 |
| C90 | Multiple myeloma | 9.2 | 9.2 | 9.9 | 10.4 | 9.6 | 10.8 | 9.4 | 10.1 | 8.1 | 10.1 |
| C91-95, D45-47 | Leukaemia | 23.1 | 23.7 | 23.0 | 25.8 | 25.3 | 28.6 | 26.4 | 26.9 | 23.5 | 25.4 |

Table 11b Age-standardised (Norwegian standard) incidence rates per 100 000 person-years by primary site and year, 2006-2015

| | | | | | | Ye | ear | | | | |
|-----------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ICD10 | Site | 2006 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 2015 |
| C00-96 | All sites | 508.4 | 506.6 | 507.7 | 514.5 | 521.3 | 533.1 | 522.6 | 530.4 | 549.6 | 548.8 |
| C00-14 | Mouth, pharynx | 7.9 | 6.5 | 7.4 | 6.6 | 8.2 | 7.7 | 6.8 | 7.1 | 7.9 | 8.1 |
| C00 | Lip | 1.8 | 1.8 | 1.9 | 1.3 | 2.0 | 1.7 | 1.4 | 1.8 | 1.6 | 1.9 |
| C01-02 | Tongue | 1.6 | 1.0 | 1.3 | 1.4 | 1.3 | 1.4 | 1.8 | 1.7 | 1.8 | 1.8 |
| C03-06 | Mouth, other | 2.1 | 1.5 | 1.5 | 1.7 | 1.7 | 1.6 | 1.1 | 1.6 | 1.7 | 1.4 |
| C07-08 | Salivary glands | 0.9 | 1.0 | 1.0 | 0.7 | 1.3 | 1.2 | 0.6 | 0.7 | 1.0 | 1.5 |
| C09-14 | Pharynx | 1.6 | 1.3 | 1.7 | 1.5 | 1.9 | 1.8 | 1.9 | 1.5 | 1.8 | 1.6 |
| C15-26 | Digestive organs | 105.2 | 104.4 | 105.0 | 108.4 | 103.2 | 107.3 | 108.8 | 109.9 | 111.4 | 110.0 |
| C15 | 0esophagus | 1.8 | 2.1 | 2.3 | 2.1 | 2.4 | 2.3 | 2.7 | 2.3 | 2.5 | 2.6 |
| C16 | Stomach | 8.4 | 8.3 | 7.9 | 8.3 | 6.4 | 7.2 | 6.7 | 5.9 | 6.8 | 5.6 |
| C17 | Small intestine | 1.9 | 2.2 | 2.2 | 3.0 | 2.4 | 2.5 | 2.3 | 1.8 | 2.7 | 2.6 |
| C18 | Colon | 50.0 | 48.7 | 49.1 | 51.1 | 47.6 | 51.8 | 52.4 | 52.2 | 52.1 | 53.7 |
| C19-20 | Rectum, rectosigmoid | 20.9 | 20.5 | 20.1 | 20.2 | 20.2 | 20.2 | 18.8 | 21.6 | 20.8 | 20.3 |
| C21 | Anus | 1.6 | 1.7 | 1.7 | 2.1 | 2.1 | 1.5 | 1.8 | 2.2 | 2.4 | 1.9 |
| C22 | Liver | 1.6 | 2.1 | 2.4 | 2.5 | 2.9 | 2.9 | 3.0 | 3.0 | 3.1 | 3.3 |
| C23-24 | Gallbladder, bile ducts | 3.0 | 3.2 | 3.2 | 3.2 | 3.6 | 3.2 | 3.8 | 3.7 | 3.8 | 2.8 |
| C25 | Pancreas | 14.6 | 13.6 | 14.0 | 13.8 | 13.0 | 13.5 | 14.5 | 14.2 | 14.1 | 14.3 |
| C26 | Other digestive organs | 1.4 | 2.0 | 2.2 | 2.3 | 2.6 | 2.1 | 2.9 | 2.9 | 3.0 | 2.9 |
| C30-34, C38 | Respiratory organs | 45.1 | 48.0 | 49.1 | 47.7 | 52.4 | 49.8 | 52.1 | 51.9 | 54.9 | 54.9 |
| C30-31 | Nose, sinuses | 0.8 | 1.3 | 0.6 | 0.5 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.8 |
| C32 | Larynx, epiglottis | 0.5 | 0.7 | 0.9 | 0.8 | 0.8 | 0.6 | 0.7 | 0.8 | 0.7 | 0.8 |
| C33-34 | Lung, trachea | 43.6 | 45.7 | 47.4 | 46.1 | 50.6 | 48.1 | 50.6 | 50.1 | 53.4 | 53.1 |
| C38 | Heart, mediastinum and pleura | 0.2 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.1 | 0.2 | 0.2 | 0.2 |
| C40-41 | Bone | 0.9 | 0.9 | 1.0 | 1.1 | 1.0 | 0.9 | 0.5 | 0.9 | 1.2 | 0.8 |
| C43 | Melanoma of the skin | 27.8 | 26.3 | 25.4 | 29.5 | 31.6 | 34.3 | 34.6 | 34.2 | 37.7 | 36.5 |
| C44 | Skin, non-melanoma | 23.4 | 24.3 | 24.6 | 26.2 | 24.9 | 27.0 | 26.9 | 27.6 | 31.3 | 28.2 |
| C45 | Mesothelioma | 8.0 | 0.5 | 0.4 | 0.5 | 0.5 | 0.5 | 0.6 | 0.4 | 0.4 | 0.5 |
| C47 | Autonomic nervous system | 0.3 | 0.2 | 0.3 | 0.2 | 0.2 | 0.0 | 0.0 | 0.2 | 0.3 | 0.3 |
| C48-49 | Soft tissues | 3.4 | 4.0 | 3.3 | 4.0 | 3.6 | 3.2 | 3.2 | 3.4 | 3.3 | 2.6 |
| C50 | Breast | 115.8 | 114.2 | 113.7 | 112.1 | 115.0 | 122.9 | 115.2 | 123.3 | 126.6 | 128.0 |
| C51-58 | Female genital organs | 64.9 | 63.6 | 65.1 | 64.2 | 66.5 | 65.4 | 59.7 | 61.1 | 64.6 | 66.4 |
| C53 | Cervix uteri | 13.3 | 11.8 | 12.0 | 12.2 | 12.6 | 11.9 | 12.5 | 11.4 | 14.0 | 14.3 |
| C54 | Corpus uteri | 27.6 | 28.2 | 29.9 | 29.1 | 30.4 | 29.1 | 25.1 | 29.2 | 27.3 | 28.7 |
| C55 | Uterus, other | 0.3 | 0.1 | 0.3 | 0.4 | 0.3 | 0.2 | 0.2 | 0.3 | 0.4 | 0.3 |
| C56, C57.0-4 | Ovary etc. | 19.4 | 19.7 | 19.6 | 18.1 | 19.0 | 20.1 | 17.8 | 16.5 | 18.2 | 18.7 |
| C51-52, C57.7-9 | Other female genital | 4.2 | 3.8 | 3.3 | 4.3 | 4.2 | 3.9 | 4.0 | 3.6 | 4.4 | 4.4 |
| C58 | Placenta | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.0 |
| C64-68 | Urinary organs | 22.7 | 22.9 | 23.6 | 23.7 | 24.5 | 24.5 | 24.7 | 25.1 | 24.0 | 27.7 |
| C64 | Kidney excl. renal pelvis | 8.8 | 10.1 | 10.2 | 9.6 | 9.5 | 10.0 | 9.9 | 8.6 | 8.7 | 11.2 |
| C65-68 | Urinary tract (renal pelvis, ureters, urinary bladder, and urethra) | 14.0 | 12.8 | 13.4 | 14.1 | 15.0 | 14.5 | 14.8 | 16.4 | 15.3 | 16.5 |
| C69 | Eye | 1.2 | 1.2 | 1.3 | 1.5 | 1.3 | 1.2 | 1.2 | 1.7 | 1.7 | 1.6 |
| C70-72, D32-33 | Central nervous system | 26.9 | 27.5 | 25.4 | 26.7 | 24.2 | 23.4 | 22.9 | 20.7 | 20.6 | 18.8 |
| C73 | Thyroid gland | 6.3 | 6.7 | 7.3 | 7.6 | 8.4 | 8.9 | 9.1 | 9.8 | 9.6 | 10.0 |
| C37, C74-75 | Other endocrine glands | 5.5 | 5.4 | 6.9 | 5.5 | 5.0 | 5.7 | 4.6 | 5.5 | 4.2 | 3.7 |
| C39, C76, C80 | Other or unspecified | 9.1 | 8.4 | 7.0 | 7.1 | 6.6 | 5.6 | 5.4 | 5.8 | 5.6 | 5.9 |
| C81-96 | Lymphoid and haematopoietic tissue | 41.0 | 41.4 | 41.1 | 41.9 | 44.0 | 44.7 | 46.1 | 41.7 | 44.1 | 44.8 |
| C81 | Hodgkin lymphoma | 2.0 | 2.1 | 1.9 | 2.1 | 2.4 | 3.0 | 2.6 | 2.2 | 2.4 | 2.1 |
| C82-86, C96 | Non-Hodgkin lymphoma | 15.9 | 15.7 | 15.1 | 15.9 | 15.9 | 17.3 | 17.5 | 15.4 | 16.6 | 16.3 |
| C88 | Malignant immunoproliferative diseases | 1.0 | 0.7 | 0.7 | 1.0 | 1.1 | 1.0 | 1.2 | 1.2 | 1.1 | 0.6 |
| C90 | Multiple myeloma | 5.7 | 6.8 | 6.2 | 6.4 | 6.9 | 5.3 | 6.7 | 6.4 | 6.8 | 7.0 |
| C91-95, D45-47 | Leukaemia | 16.4 | 16.1 | 17.1 | 16.5 | 17.8 | 18.2 | 18.1 | 16.4 | 17.2 | 18.9 |

 Table 12a
 Average annual number of new cases by primary site and five-year age group, 2011-2015

| ICD10 | Site | 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 |
|--------------------------|---|-----|-----|-------|-------|-------|-------|
| C00-96 | All sites | 34 | 23 | 24 | 51 | 86 | 108 |
| 00-14 | Mouth, pharynx | 0 | 0 | 0 | 1 | 1 | 1 |
| C00 | Lip | 0 | 0 | 0 | 0 | 0 | 0 |
| C01-02 | Tongue | 0 | 0 | 0 | 0 | 0 | 0 |
| C03-06 | Mouth, other | 0 | 0 | 0 | 0 | 0 | 0 |
| C07-08 | Salivary glands | 0 | 0 | 0 | 0 | 0 | 0 |
| C09-14 | Pharynx | 0 | 0 | 0 | 1 | 0 | 0 |
| C15-26 | Digestive organs | 1 | 0 | 1 | 2 | 5 | 8 |
| C15 | Oesophagus | 0 | 0 | 0 | 0 | 0 | 0 |
| C16 | Stomach | 0 | 0 | 0 | 0 | 0 | 1 |
| C17 | Small intestine | 0 | 0 | 0 | 0 | 0 | 0 |
| C18 | Colon | 0 | 0 | 0 | 1 | 4 | 4 |
| C19-20 | Rectum, rectosigmoid | 0 | 0 | 0 | 0 | 1 | 2 |
| C21 | Anus | 0 | 0 | 0 | 0 | 0 | 0 |
| C22 | Liver | 1 | 0 | 0 | 0 | 0 | 0 |
| C23-24 | Gallbladder, bile ducts | 0 | 0 | 0 | 0 | 0 | 0 |
| C25 | Pancreas | 0 | 0 | 0 | 0 | 0 | 1 |
| C26 | Other digestive organs | 0 | 0 | 0 | 0 | 0 | 0 |
| 30-34, C38 | Respiratory organs | 0 | 0 | 0 | 1 | 0 | 1 |
| C30-31 | Nose, sinuses | 0 | 0 | 0 | 0 | 0 | 0 |
| C32 | Larynx, epiglottis | 0 | 0 | 0 | 0 | 0 | 0 |
| C33-34 | Lung, trachea | 0 | 0 | 0 | 1 | 0 | 1 |
| C38 | Heart, mediastinum and pleura | 0 | 0 | 0 | 0 | 0 | 0 |
| 240-41 | Bone | 0 | 0 | 3 | 2 | 2 | 1 |
| 243 | Melanoma of the skin | 0 | 0 | 0 | 1 | 4 | 8 |
| 244 | Skin, non-melanoma | 0 | 0 | 0 | 1 | 1 | 2 |
| .45 | Mesothelioma | 0 | 0 | 0 | 0 | 0 | 0 |
| 247 | Autonomic nervous system | 1 | 0 | 0 | 0 | 0 | 0 |
| 248-49 | Soft tissues | 2 | 0 | 1 | 1 | 1 | 1 |
| 50 | Breast | 0 | 0 | 0 | 0 | 0 | 0 |
| 260-63 | Male genital organs | 1 | 0 | 1 | 11 | 38 | 42 |
| C61 | Prostate | 0 | 0 | 0 | 0 | 0 | 0 |
| C62 | Testis | 1 | 0 | 1 | 10 | 38 | 42 |
| C60, C63 | Other male genital | 0 | 0 | 0 | 0 | 0 | 0 |
| 264-68 | Urinary organs | 3 | 0 | 0 | 1 | 1 | 4 |
| C64 | Kidney excl. renal pelvis | 3 | 0 | 0 | 0 | 0 | 3 |
| C65-68 | Urinary tract (renal pelvis, ureters, urinary bladder, and urethra) | 0 | 0 | 0 | 1 | 1 | 2 |
| 269 | Eye | 0 | 1 | 0 | 0 | 0 | 0 |
| 70-72, D32-33 | Central nervous system | 7 | 7 | 7 | 11 | 10 | 15 |
| 7.73 | Thyroid gland | 0 | 0 | 0 | 1 | 2 | 3 |
| 37, C74-75 | Other endocrine glands | 2 | 1 | 1 | 3 | 4 | 2 |
| 39, C76, C80 | Other or unspecified | 0 | 0 | 0 | 0 | 0 | 0 |
| .57, e7 6, e86 .81-96 | Lymphoid and haematopoietic tissue | 17 | 11 | 9 | 14 | 16 | 19 |
| C81 | Hodgkin lymphoma | 0 | 2 | 1 | 6 | 7 | 10 |
| C82-86, C96 | Non-Hodgkin lymphoma | 2 | 4 | 3 | 2 | 3 | 4 |
| C82-80, C90 | Malignant immunoproliferative diseases | 0 | 0 | 0 | 0 | 0 | 0 |
| C88 | Multiple myeloma | 0 | 0 | 0 | 0 | 0 | 0 |
| CZU | muitiple illyeloilla | U | U | U | U | U | U |

| | | | | | | | | | | | VI/ YELS |
|-------|-------|-------|-------|-------|-------|-------|---------|---------|-----------|-------|----------|
| | Age | | | | | | | | | | |
| 30-34 | 35-39 | 40-44 | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ |
| 155 | 195 | 300 | 459 | 771 | 1403 | 2177 | 3045 | 2618 | 2186 | 1802 | 1487 |
| 3 | 4 | 9 | 16 | 34 | 48 | 57 | 68 | 43 | 34 | 27 | 21 |
| 0 | 0 | 1 | 2 | 3 | 5 | 7 | 10 | 11 | 12 | 12 | 9 |
| 1 | 1 | 3 | 5 | 10 | 10 | 11 | 16 | 7 | 6 | 4 | 3 |
| 1 | 1 | 1 | 1 | 3 | 6 | 10 | 13 | 8 | 5 | 3 | 4 |
| 1 | 1 | 2 | 1 | 2 | 3 | 2 | 5 | 3 | 3 | 4 | 3 |
| 0 | 1 | 2 | 7 | 16 | 23 | 27 | 24 | 14 | 8 | 4 | 2 |
| 16 | 27 | 50 | 85 | 153 | 280 | 406 | 569 | 520 | 483 | 430 | 340 |
| 1 | 1 | 3 | 6 | 11 | 20 | 28 | 41 | 29 | 24 | 20 | 16 |
| 1 | 3 | 4 | 8 | 15 | 28 | 33 | 44 | 44 | 42 | 44 | 34 |
| 1 - | 1 | 3 | 3 | 5 | 11 | 15 | 17 | 13 | 8 | 10 | 7 |
| 5 | 8 | 18 | 27 | 46 | 87 | 140 | 210 | 217 | 207 | 193 | 157 |
| 6 | 9 | 11 | 23 | 40 | 70 | 103 | 141 | 115 | 106 | 80 | 61 |
| 0 | 0 | 1 | 1 | 2 | 3 | 3 | 4 | 1 | 3 | 1 | 2 |
| 1 | 2 | 3 | 6 | 10 | 20 | 21 | 22 | 17 | 19 | 18 | 11 |
| 0 | 1 | 1 | 1 | 4 | 8 | 10 | 15 | 12 | 9 | 9 | 7 |
| 0 | 2 | 5 | 8 | 18 | 29 | 49 | 66 | 63 | 53 | 47 | 36 |
| 0 | 1 | 1 | 2 | 2 | 5 | 5 | 10 | 8 | 10 | 9 | 8 |
| 2 | 3 | 11 | 28 | 60 | 124 | 227 | 334 | 316 | 269 | 223 | 143 |
| 0 | 0 | 1 | 1 | 3 | 3 | 3 | 5 | 3 | 2 | 2 | 3 |
| 0 | 0 | 1 | 2 | 4 | 9 | 19 | 20 | 16 | 15 | 9 | 6 |
| 1 | 3 | 9 | 24 | 53 | 111 | 205 | 308 | 295 | 252 | 211 | 133 |
| 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 2 | 1 | 1 | 1 |
| 1 | 1 | 1 | 2 | 2 | 2 | 3 | 4 | 2 | 1 | 0 | 1 |
| 14 | 24 | 50 | 54 | 71 | 87 | 108 | 145 | 116 | 97 | 84 | 67 |
| 0 | 6 | 7 | 12 | 17 | 27 | 58 | 103 | 127 | 160 13 | 187 | 230 7 |
| 0 | 0 | 0 | 0 | 0 | 0 | 6 | 12 1 | 15 0 | 0 | 9 | 0 |
| 2 | 2 | 2 | 7 | 6 | 6 | 9 | 8 | 8 | 4 | 4 | 5 |
| 0 | 0 | 1 | 0 | 2 | 2 | 4 | 5 | 5 | 3 | 3 | 4 |
| 55 | 55 | 47 | 83 | 187 | 490 | 834 | 1197 | 901 | 630 | 419 | 320 |
| 0 | 1 | 8 | 51 | 164 | 474 | 824 | | | | 419 | |
| 55 | 53 | 38 | 29 | 18 | 12 | 4 | 1187 | 894 | 622 | 1 | 314 |
| 0 | 1 | 1 | 3 | 4 | 4 | 5 | 6 | 5 | 7 | 7 | 4 |
| 7 | 13 | 31 | 53 | 86 | 133 | 205 | 269 | 269 | 243 | 193 | 166 |
| 5 | 8 | 18 | 27 | 49 | 61 | 80 | 94 | 84 | 61 | 31 | 23 |
| | | | | | | | | | | | |
| 2 | 5 | 13 | 26 | 37 | 72 | 125 | 175 | 185 | 182 | 162 | 143 |
| 0 | 1 | 3 | 2 | 4 | 3 | 5 | 5 | 4 | 3 | 3 | 2 |
| 19 | 20 | 28 | 35 | 42 | 48 | 56 | 57 | 46 | 36 | 29 | 17 |
| 5 | 7 | 9 | 9 | 8 | 10 | 9 | 12 | 8 | 7 | 4 | 3 |
| 5 | 6 | 8 | 8 | 12 | 13 | 12 | 14 | 10 | 9 | 5 | 3 |
| 0 | 1 | 2 | 3 | 6 | 8 | 12 | 21 | 22 | 19 | 21 | 32 |
| 22 | 26 | 41 | 63 | 80 | 118 | 167 | 220 | 207 | 174 | 160 | 126 |
| 6 | 6 | 6 | 8 | 4 | 6 | 7 | 6 | 5 | 2 | 1 | 1 |
| 7 | 10 | 18 | 24 | 33 | 43 | 66 | 92 | 77 | 62 | 54 | 39 |
| 0 | 0 | 1 | 1 | 1 | 4 | 3 | 7 | 6 | 6 | 6 | 2 |
| 1 | 2 | 4 | 8 | 11 | 18 | 27 | 32 | 34 | 30 | 30 | 24 |
| 8 | 8 | 13 | 23 | 30 | 46 | 65 | 83 | 85 | 74 | 69 | 59 |
| | | | | | | | | | | | |

 Table 12b
 Average annual number of new cases by primary site and five-year age group, 2011-2015

| CD10 | Site | 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 |
|-----------------|---|-----|-----|-------|-------|-------|-------|
| 00-96 | All sites | 29 | 15 | 22 | 46 | 71 | 129 |
| 200-14 | Mouth, pharynx | 0 | 0 | 1 | 0 | 1 | 2 |
| C00 | Lip | 0 | 0 | 0 | 0 | 0 | 0 |
| C01-02 | Tongue | 0 | 0 | 0 | 0 | 0 | 1 |
| C03-06 | Mouth, other | 0 | 0 | 0 | 0 | 0 | 0 |
| C07-08 | Salivary glands | 0 | 0 | 1 | 0 | 0 | 1 |
| C09-14 | Pharynx | 0 | 0 | 0 | 0 | 0 | 0 |
| C15-26 | Digestive organs | 1 | 0 | 1 | 4 | 6 | 9 |
| C15 | Oesophagus | 0 | 0 | 0 | 0 | 0 | 0 |
| C16 | Stomach | 0 | 0 | 0 | 0 | 0 | 0 |
| C17 | Small intestine | 0 | 0 | 0 | 0 | 0 | 0 |
| C18 | Colon | 0 | 0 | 1 | 3 | 4 | 6 |
| C19-20 | Rectum, rectosigmoid | 0 | 0 | 0 | 0 | 0 | 1 |
| C21 | Anus | 0 | 0 | 0 | 0 | 0 | 0 |
| C22 | Liver | 1 | 0 | 0 | 0 | 0 | 0 |
| C22 C23-24 | Gallbladder, bile ducts | 0 | 0 | 0 | 0 | 0 | 0 |
| C25-24 | Pancreas | 0 | 0 | 0 | 0 | 0 | 0 |
| C25 | Other digestive organs | 0 | 0 | 0 | 0 | 0 | 0 |
| | <u> </u> | | | | | | |
| C30-34, C38 | Respiratory organs | 0 | 0 | 0 | 0 | 1 | 1 |
| C30-31 | Nose, sinuses | 0 | 0 | 0 | 0 | 0 | 0 |
| C32 | Larynx, epiglottis | 0 | 0 | 0 | 0 | 0 | 0 |
| C33-34 | Lung, trachea | 0 | 0 | 0 | 0 | 1 | 1 |
| C38 | Heart, mediastinum and pleura | 0 | 0 | 0 | 0 | 0 | 0 |
| C40-41 | Bone | 1 | 1 | 1 | 1 | 2 | 2 |
| C43 | Melanoma of the skin | 0 | 0 | 1 | 3 | 10 | 19 |
| C44 | Skin, non-melanoma | 0 | 1 | 0 | 1 | 1 | 2 |
| C45 | Mesothelioma | 0 | 0 | 0 | 0 | 0 | 0 |
| C47 | Autonomic nervous system | 1 | 0 | 0 | 0 | 0 | 0 |
| C48-49 | Soft tissues | 1 | 0 | 1 | 1 | 2 | 2 |
| 250 | Breast | 0 | 0 | 0 | 0 | 3 | 18 |
| C51-58 | Female genital organs | 0 | 0 | 1 | 3 | 7 | 30 |
| C53 | Cervix uteri | 0 | 0 | 0 | 0 | 4 | 24 |
| C54 | Corpus uteri | 0 | 0 | 0 | 0 | 0 | 1 |
| C55 | Uterus, other | 0 | 0 | 0 | 0 | 0 | 0 |
| C56, C57.0-4 | Ovary etc. | 0 | 0 | 0 | 2 | 2 | 3 |
| C51-52, C57.7-9 | Other female genital | 0 | 0 | 0 | 0 | 0 | 0 |
| C58 | Placenta | 0 | 0 | 0 | 0 | 0 | 1 |
| C64-68 | Urinary organs | 4 | 0 | 0 | 0 | 2 | 2 |
| C64 | Kidney excl. renal pelvis | 4 | 0 | 0 | 0 | 1 | 1 |
| C65-68 | Urinary tract (renal pelvis, ureters, urinary bladder, and urethra) | 0 | 0 | 0 | 0 | 1 | 1 |
| C69 | Eye | 1 | 0 | 0 | 0 | 0 | 0 |
| C70-72, D32-33 | Central nervous system | 6 | 6 | 5 | 7 | 10 | 12 |
| C73 | Thyroid gland | 0 | 0 | 1 | 3 | 7 | 10 |
| C37, C74-75 | Other endocrine glands | 1 | 0 | 1 | 4 | 7 | 7 |
| C39, C76, C80 | Other or unspecified | 0 | 0 | 0 | 0 | 0 | 0 |
| C81-96 | Lymphoid and haematopoietic tissue | 12 | 5 | 10 | 17 | 13 | 14 |
| C81 | Hodgkin lymphoma | 0 | 0 | 2 | 8 | 7 | 6 |
| C82-86, C96 | Non-Hodgkin lymphoma | 1 | 1 | 2 | 2 | 2 | 3 |
| C88 | Malignant immunoproliferative diseases | 0 | 0 | 0 | 0 | 0 | 0 |
| C90 | Multiple myeloma | 0 | 0 | 0 | 0 | 0 | 0 |
| C91-95, D45-47 | Leukaemia | 10 | 4 | 6 | 6 | 4 | 5 |
| | | | | | | | |

| | | | | | | | | | | | VI/ VEES |
|---------|-----------------|-----------------|------------------|----------|---------------|---------------|------------------|-----------|------------|------------|----------|
| | Age | | | | | | | | | | |
| 30-34 | 35-39 | 40-44 | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ |
| 193 | 332 | 527 | 749 | 989 | 1243 | 1591 | 1982 | 1639 | 1534 | 1457 | 1812 |
| 2 | 4 | 6 | 9 | 15 | 20 | 25 | 26 | 19 | 20 | 20 | 30 |
| 0 | 1 | 1 | 1 | 2 | 3 | 6 | 5 | 6 | 5 | 7 | 11 |
| 1 | 1 | 1 | 3 | 4 | 5 | 7 | 6 | 4 | 4 | 5 | 5 |
| 0 | 0 | 1 | 1 | 3 | 3 | 3 | 6 | 5 | 4 | 5 | 8 |
| 2 | 2 | 1 | 1 | 3 | 2 | 2 | 3 | 1 | 3 | 2 | 3 |
| 0 | 1 | 2 | 3 | 4 | 8 | 7 | 7 | 4 | 4 | 1 | 2 |
| 14 | 30 | 43 | 79 | 129 | 186 | 273 | 409 | 418 | 439 | 446 | 527 |
| 0 | 0 | 1 | 2 | 2 | 4 | 6 | 13 | 10 | 10 | 7 | 13 |
| 0 | 4 | 3 | 6 | 11 | 8 | 14 | 22 | 21 | 22 | 27 | 40 |
| 1 | 1 | 2 | 3 | 4 | 6 | 8 | 9 | 7 | 8 | 9 | 8 |
| 8 | 12 | 16 | 34 | 54 | 79 | 118 | 185 | 205 | 227 | 240 | 261 |
| 3 | 7 | 12 | 20 | 32 | 47 | 63 | 78 | 77 | 70 | 64 | 74 |
| 0 | 1 | 3 | 4 | 4 | 5 | 5 | 9 | 5 | 6 | 6 | 5 |
| 0 | 1 | 0 | 3 | 3 | 5 | 8 | 10 | 12 | 12 | 12 | 15 |
| 0 | 1 | 1 | 2 | 4 | 6 | 9 | 15 | 14 | 13 | 14 | 17 |
| 2 | 3 | 4 | 5 | 13 | 23 | 35 | 58 | 56 | 61 | 56 | 75 |
| 0 | 1 | 1 | 1 | 3 | 3 | 7 | 10 | 9 | 11 | 11 | 20 |
| 3 | 4 | 10 | 30 | 58 | 117 | 182 | 269 | 251 | 202 | 160 | 118 |
| 0 | 1 | 0 | 1 | 1 | 2 | 2 | 1 | 3 | 2 | 3 | 2 |
| 0 | 1 | 1 | 1 | 2 | 3 | 2 | 4 | 1 | 3 | 2 | 1 |
| 2 | 3 | 9 | 29 | 55 | 112 | 177 | 263 | 246 | 197 | 155 | 113 |
| 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 |
| 2 | 1 | 2 | 2 | 0 | 1 | 2 | 2 | 1 | 1 | 2 | 1 |
| 22 | 43 | 69 | 79 | 74 | 91 | 92 | 113 | 90 | 65 | 68 | 92 |
| 2 | 3 | 8 | 10 | 14 | 29 | 43 | 73 | 87 | 115 | 138 | 300 |
| 0 | 0 | 0 | 0 | 1 | 0 | 2 | 2 | 2 | 3 | 2 | 1 |
| 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 1 38 | 2 99 | 3 198 | 4 | 5 | 8 | 13 | 11 | 9 | 6 | 7 | 6 |
| | | | 301 | 383 | 379 | 451 | 462 | 244 | 217 | 180 | 222 |
| 35 | 64 46 | 79 46 | 9 7 41 | 133 | 174 22 | 203 19 | 232 19 | 181 13 | 154 | 122 | 141 |
| 3 | 6 | 13 | 26 | 24 54 | 85 | 107 | 126 | 103 | 88 | 64 | 57 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 126 | 103 | 0 | 2 | 3 |
| 5 | 10 | 15 | 25 | 48 | 55 | | 74 | | 45 | 34 | 44 |
| 1 | 2 | 4 | 5 | 7 | 10 | 66 11 | 13 | 53 11 | 11 | 13 | 26 |
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 6 | 13 | 16 | 32 | 53 | 71 | 103 | 93 | 96 | 94 | 100 |
| 1 | 4 | 10 | 9 | 18 | 19 | 31 | 41 | 38 | 32 | 26 | 23 |
| | | | | | | | | | | | |
| 1 | 2 | 3 | 7 | 14 | 33 | 40 | 63 | 55 | 64 | 67 | 77 |
| 2 | 0 | 1 | 2 | 3 | 4 | 3 | 9 | 5 | 3 | 3 | 2 |
| 17 | 22 | 36 | 43 | 47 | 53 | 66 | 66 | 48 | 36 | 35 | 38 |
| 14 | 22 | 21 | 26 | 25 | 22 | 23 | 21 | 18 | 11 | 8 | 8 |
| 9 | 9 | 10 | 11 | 10 | 10 | 10 | 10 | 7 | 7 | 4 | 4 |
| 1 | 1 | 1 | 2 | 4 | 8 | 10 | 13 | 14 | 22 | 28 | 63 |
| 20 | 21 | 27 | 38 | 54 | 91 | 120 | 159 | 151 | 140 | 140 | 160 |
| 6 | 6 | 4 | 4 | 2 | 2 | 3 | 3 | 3 | 3 | 2 | 1 |
| 6 | 7 | 9 | 15 | 25 | 40 | 51 | 66 | 61 | 54 | 48 | 50 |
| 0 | 0 | 0 | 1 | 1 | 2 | 4 | 5 | 4 | 4 | 4 | 3 |
| 0 | 1 | 3 | 2 | 7 | 15 | 18 | 24 | 21 | 30 | 25 | 29 |
| 7 | 7 | 11 | 16 | 19 | 32 | 44 | 61 | 61 | 50 | 61 | 77 |
| | | | | | | | | | | | |

 Table 13a
 Age-specific incidence rates per 100 000 person-years by primary site and five-year age group, 2011-2015

| 00-96 00-14 | All sites | 21.6 | | | | | |
|----------------------------|--|------|------|------|------|------|------|
| | | 21.0 | 14.6 | 14.9 | 30.4 | 49.8 | 63.0 |
| | Mouth, pharynx | 0.1 | 0.3 | 0.3 | 0.7 | 0.7 | 0.3 |
| C00 | Lip | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| C01-02 | Tongue | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 |
| C03-06 | Mouth, other | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.0 |
| C07-08 | Salivary glands | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.2 |
| C09-14 | Pharynx | 0.1 | 0.3 | 0.0 | 0.5 | 0.0 | 0.0 |
| 15-26 | Digestive organs | 0.6 | 0.1 | 0.4 | 1.2 | 2.8 | 4.9 |
| C15 | Oesophagus | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| C16 | Stomach | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.5 |
| C17 | Small intestine | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.2 |
| C18 | Colon | 0.0 | 0.0 | 0.1 | 0.7 | 2.2 | 2.2 |
| C19-20 | Rectum, rectosigmoid | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 1.2 |
| C21 | Anus | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| C22 | Liver | 0.6 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 |
| C23-24 | Gallbladder, bile ducts | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| C25 | Pancreas | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.5 |
| C26 | Other digestive organs | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| 30-34, C38 | Respiratory organs | 0.3 | 0.0 | 0.0 | 0.6 | 0.2 | 0.3 |
| C30-31 | Nose, sinuses | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 |
| C32 | Larynx, epiglottis | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| C33-34 | Lung, trachea | 0.3 | 0.0 | 0.0 | 0.4 | 0.1 | 0.3 |
| C38 | Heart, mediastinum and pleura | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 40-41 | Bone | 0.0 | 0.1 | 1.6 | 1.2 | 1.0 | 0.6 |
| 43 | Melanoma of the skin | 0.0 | 0.1 | 0.3 | 0.4 | 2.5 | 4.9 |
| 44 | Skin, non-melanoma | 0.0 | 0.1 | 0.1 | 0.7 | 0.6 | 1.2 |
| 45 | Mesothelioma | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 47 | Autonomic nervous system | 0.6 | 0.3 | 0.0 | 0.2 | 0.1 | 0.1 |
| 48-49 | Soft tissues | 1.0 | 0.3 | 0.6 | 0.5 | 0.7 | 0.7 |
| 50 | Breast | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60-63 | Male genital organs | 0.5 | 0.3 | 0.5 | 6.3 | 21.8 | 24.5 |
| C61 | Prostate | 0.1 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 |
| C62 | Testis | 0.4 | 0.1 | 0.4 | 6.1 | 21.8 | 24.5 |
| C60, C63 | Other male genital | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 64-68 | Urinary organs | 1.9 | 0.3 | 0.1 | 0.6 | 0.8 | 2.6 |
| C64 | Kidney excl. renal pelvis | 1.6 | 0.3 | 0.0 | 0.2 | 0.0 | 1.6 |
| C65-68 | Urinary tract (renal pelvis, ureters, urinary bladder, | 0.3 | 0.0 | 0.1 | 0.4 | 0.8 | 0.9 |
| 69 | and urethra) Eye | 0.1 | 0.4 | 0.1 | 0.1 | 0.0 | 0.1 |
| 70-72, D32-33 | Central nervous system | 4.5 | 4.6 | 4.3 | 6.6 | 5.6 | 8.6 |
| 73 | Thyroid gland | 0.0 | 0.0 | 0.1 | 0.8 | 0.9 | 1.9 |
| 37, C74-75 | Other endocrine glands | 1.3 | 0.6 | 0.6 | 2.0 | 2.5 | 0.9 |
| 37, C74-73 39, C76, C80 | Other or unspecified | 0.3 | 0.0 | 0.0 | 0.1 | 0.1 | 0.9 |
| | • | | | | | | |
| 81-96 C81 | Lymphoid and haematopoietic tissue Hodgkin lymphoma | 10.4 | 7.2 | 5.8 | 8.3 | 9.4 | 11.3 |
| | • | 0.0 | 1.0 | 0.6 | 3.8 | 4.3 | 6.1 |
| C82-86, C96 | Non-Hodgkin lymphoma Malignant immunoproliferative diseases | 1.5 | 2.7 | 1.6 | 1.2 | 1.6 | 2.3 |
| 600 | MAJIGDADI IMMUDODIOJITEIATIVE GISEASES | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| C88 | Multiple myeloma | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| | | | | | | | | | | | //// YEES |
|-------------------|-------------------|-------|--------------------|-----------------|--------------------|-------------|---------------------|---------------------|------------------|------------------|----------------------|
| | Age | | | | | | | | | | |
| 30-34 | 35-39 | 40-44 | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ |
| 89.3 | 109.5 | 156.1 | 245.9 | 455.5 | 892.6 | 1503.0 | 2323.5 | 3008.0 | 3614.7 | 4096.1 | 4059.8 |
| 1.6 | 2.2 | 4.7 | 8.5 | 20.1 | 30.3 | 39.2 | 51.7 | 49.0 | 55.6 | 60.9 | 56.8 |
| 0.1 | 0.2 | 0.5 | 1.0 | 1.7 | 3.4 | 4.6 | 7.6 | 12.4 | 19.2 | 26.4 | 24.0 |
| 0.6 | 0.7 | 1.4 | 2.5 | 5.9 | 6.6 | 7.9 | 12.2 | 8.5 | 10.3 | 9.5 | 8.2 |
| 0.3 | 0.3 | 0.5 | 0.6 | 2.0 | 3.6 | 6.6 | 9.6 | 8.7 | 7.9 | 6.8 | 9.8 |
| 0.5 | 0.6 | 1.0 | 0.6 | 1.3 | 1.9 | 1.5 | 3.8 | 3.4 | 4.6 | 8.6 | 9.3 |
| 0.1 | 0.4 | 1.2 | 3.7 | 9.2 | 14.8 | 18.6 | 18.5 | 15.9 | 13.6 | 9.5 | 5.5 |
| 9.1 | 15.0 | 25.8 | 45.3 | 90.6 | 178.4 | 280.0 | 434.2 | 597.7 | 798.4 | 976.9 | 928.0 |
| 0.5 | 0.4 | 1.6 | 3.1 | 6.5 | 12.9 | 19.1 | 31.1 | 32.9 | 40.0 | 45.5 | 43.7 |
| 0.6 | 1.5 | 2.2 | 4.1 | 8.7 | 17.7 | 22.5 | 33.6 | 51.0 | 68.8 | 100.0 | 93.4 |
| 0.5 | 0.7 | 1.6 | 1.7 | 2.8 | 6.9 | 10.4 | 13.0 | 14.5 | 13.9 | 22.3 | 19.7 |
| 3.1 | 4.6 | 9.4 | 14.5 | 27.3 | 55.2 | 96.6 | 160.1 | 249.6 | 342.0 | 438.7 | 429.3 |
| 3.4 | 4.8 | 5.8 | 12.1 | 23.9 | 44.7 | 70.8 | 107.3 | 132.4 | 175.3 | 181.4 | 165.5 |
| 0.1 | 0.1 | 0.4 | 0.6 | 1.2 | 1.7 | 2.1 | 3.4 | 1.4 | 5.3 | 1.4 | 6.0 |
| 0.7 | 1.0 | 1.4 | 3.2 | 5.7 | 12.6 | 14.8 | 16.5 | 20.0 | 32.1 | 40.0 | 30.6 |
| 0.0 | 0.6 | 0.6 | 0.5 | 2.5 | 5.3 | 6.6 | 11.3 | 14.2 | 15.5 | 20.5 | 19.7 |
| 0.1 | 1.0 | 2.6 | 4.2 | 10.5 | 18.6 | 33.7 | 50.7 | 72.6 | 88.3 | 106.8 | 97.2 |
| 0.2 0.9 | 0.3 1.9 | 0.3 | 1.3 14.8 | 1.4 | 2.9 78.9 | 3.5 | 7.3 254.9 | 9.2 363.1 | 17.2 | 20.5 | 22.9 391.1 |
| 0.9 | 0.2 | 5.9 | 0.6 | 35.3 1.7 | 2.0 | 156.4 | | 3.0 | 445.5 3.0 | 506.4 5.0 | 7.1 |
| | | 0.6 | | | | 2.1 | 3.8 | | | | |
| 0.1 | 0.1 | 0.5 | 1.2 | 2.2 | 5.7 | 12.8 | 15.0 | 18.6 | 24.1 | 20.9 | 16.4 |
| 0.5 | 1.6 | 4.5 | 12.7 | 31.2 | 70.5 | 141.4 | 235.3 | 339.4 | 417.4 | 478.7 | 363.8 |
| 0.1 | 0.0 | 0.3 | 0.2 | 0.2 1.2 | 0.6 1.4 | 0.1 | 0.8 | 2.1 1.8 | 1.0 | 1.8 0.9 | 3.8 2.7 |
| 8.3 | 0.4 | | 28.8 | 42.2 | | 1.8 74.7 | 3.2 | | 2.3 160.7 | | 184.1 |
| 1.6 | 13.2 3.5 | 25.9 | | 9.9 | 55.4 | | 110.9 | 133.1 | | 191.4 | |
| 0.0 | 0.0 | 3.6 | 6.6 | 0.8 | 17.3 1.7 | 40.2 | 78.9 9.2 | 145.7 | 264.3 | 425.9 | 627.0 18.0 |
| 0.0 | 0.0 | 0.0 | 0.2 | 0.8 | 0.0 | 0.3 | 0.9 | 17.2 0.5 | 0.0 | 20.5 | 0.5 |
| 1.2 | 1.2 | 1.0 | 3.6 | 3.3 | 3.8 | 6.4 | 6.3 | 9.7 | 7.3 | 9.5 | 13.1 |
| 0.0 | 0.1 | 0.6 | 0.0 | 1.2 | 1.0 | 2.5 | 3.7 | 5.3 | 5.6 | 5.9 | 9.8 |
| 32.0 | 30.7 | 24.3 | 44.6 | 110.3 | 311.8 | 575.5 | 913.5 | 1035.5 | 1041.5 | 952.8 | 873.3 |
| 0.0 | 0.3 | 4.2 | 27.3 | 97.2 | 301.6 | 569.1 | 905.4 | 1027.0 | 1027.9 | 934.6 | 858.6 |
| 31.8 | 29.8 | 19.5 | 15.7 | 10.6 | 7.5 | 2.9 | 3.4 | 2.5 | 2.3 | 1.4 | 3.8 |
| 0.2 | 0.6 | 0.6 | 1.5 | 2.5 | 2.7 | 3.6 | 4.7 | 6.0 | 11.2 | 16.8 | 10.9 |
| 3.8 | 7.2 | 16.1 | 28.3 | 50.6 | 84.8 | 141.5 | 205.4 | 308.6 | 402.5 | 439.6 | 454.4 |
| 2.7 | 4.4 | 9.3 | 14.5 | 28.7 | 39.1 | 55.4 | 71.9 | 96.1 | 100.9 | 70.5 | 62.8 |
| | | | | | | | | | | | |
| 1.2 | 2.8 | 6.9 | 13.8 | 21.9 | 45.7 | 86.1 | 133.5 | 212.6 | 301.6 | 369.1 | 391.6 |
| 0.2 | 0.6 | 1.4 | 1.2 | 2.1 | 2.2 | 3.2 | 3.5 | 4.8 | 5.3 | 5.9 | 5.5 |
| 11.1 | 11.3 | 14.8 | 18.9 | 24.9 | 30.3 | 38.7 | 43.2 | 52.6 | 59.5 | 65.0 | 45.9 |
| 2.7 | 3.9 | 4.5 | 4.7 | 4.8 | 6.6 | 6.5 | 9.3 | 8.7 | 11.9 | 10.0 | 7.6 |
| 2.7 | 3.1 | 4.4 | 4.3 | 7.0 | 8.5 | 8.1 | 10.5 | 12.0 | 14.9 | 11.4 | 8.7 |
| 0.1 | 0.3 | 0.9 | 1.7 | 3.8 | 5.1 | 8.1 | 16.2 | 25.3 | 31.1 | 48.6 | 88.5 |
| 12.9 | 14.7 | 21.5 | 33.6 | 47.0 | 75.1 | 115.6 | 168.0 | 237.4 | 287.4 | 364.6 | 344.6 |
| 3.2 | 3.6 | 3.0 | 4.1 | 2.6 | 3.8 | 4.7 | 4.3 | 5.3 | 4.0 | 2.3 | 3.8 |
| 4.3 | 5.8 | 9.3 | 12.6 | 19.3 | 27.6 | 45.7 | 70.2 | 88.0 | 101.9 | 123.2 | 107.6 |
| 0.1 | 0.0 | 0.4 | 0.6 | 0.6 | 2.7 | 1.9 | 5.5 | 7.4 | 10.6 | 13.6 | 6.6 |
| 0.5 | 0.9 | 2.2 | 4.2 | 6.6 | 11.6 | 18.4 | 24.6 | 39.5 | 49.3 | 68.6 | 66.1 |
| 4.9 | 4.4 | 6.7 | 12.1 | 18.0 | 29.4 | 44.9 | 63.5 | 97.2 | 121.7 | 156.8 | 160.6 |
| | | | | | | | | | | | |

 Table 13b
 Age-specific incidence rates per 100 000 person-years by primary site and five-year age group, 2011-2015

| ICD10 | Site | 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 |
|---------------------------------|---|------|-----|-------|-------|-------|-------|
| C00-96 | All sites | 18.9 | 9.7 | 14.3 | 28.9 | 42.9 | 77.9 |
| 000-14 | Mouth, pharynx | 0.3 | 0.0 | 0.5 | 0.3 | 0.7 | 1.2 |
| C00 | Lip | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| C01-02 | Tongue | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.5 |
| C03-06 | Mouth, other | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 |
| C07-08 | Salivary glands | 0.0 | 0.0 | 0.4 | 0.1 | 0.2 | 0.5 |
| C09-14 | Pharynx | 0.1 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 |
| 15-26 | Digestive organs | 0.7 | 0.3 | 0.8 | 2.3 | 3.6 | 5.4 |
| C15 | Oesophagus | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| C16 | Stomach | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 |
| C17 | Small intestine | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 |
| C18 | Colon | 0.0 | 0.1 | 0.7 | 2.0 | 2.7 | 3.9 |
| C19-20 | Rectum, rectosigmoid | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 |
| C21 | Anus | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| C22 | Liver | 0.7 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 |
| C23-24 | Gallbladder, bile ducts | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| C25 | Pancreas | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 |
| C26 | Other digestive organs | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 |
| C30-34, C38 | Respiratory organs | 0.1 | 0.1 | 0.0 | 0.3 | 0.6 | 0.7 |
| C30-31 | Nose, sinuses | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.2 |
| C32 | Larynx, epiglottis | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| C33-34 | Lung, trachea | 0.1 | 0.1 | 0.0 | 0.1 | 0.4 | 0.5 |
| C38 | Heart, mediastinum and pleura | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 240-41 | Bone | 0.4 | 0.4 | 0.4 | 0.9 | 1.0 | 1.0 |
| C43 | Melanoma of the skin | 0.1 | 0.1 | 0.4 | 2.2 | 5.8 | 11.2 |
| 244 | Skin, non-melanoma | 0.0 | 0.4 | 0.0 | 0.8 | 0.6 | 1.1 |
| C45 | Mesothelioma | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| C47 | Autonomic nervous system | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| C48-49 | Soft tissues | 0.7 | 0.3 | 0.4 | 0.5 | 1.0 | 1.0 |
| 250 | Breast | 0.0 | 0.0 | 0.0 | 0.1 | 1.9 | 10.9 |
| C51-58 | Female genital organs | 0.1 | 0.0 | 0.4 | 1.9 | 4.1 | 17.9 |
| C53 | Cervix uteri | 0.0 | 0.0 | 0.0 | 0.3 | 2.6 | 14.6 |
| C54 | Corpus uteri | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.5 |
| C54 C55 | Uterus, other | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| C56, C57.0-4 | Ovary etc. | 0.0 | 0.0 | 0.0 | 1.5 | 1.1 | 2.1 |
| C50, C57.0-4 C51-52, C57.7-9 | Other female genital | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.1 |
| C51-32, C57.7-9 | Placenta | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| C64-68 | Urinary organs | 2.8 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 |
| C64 | Kidney excl. renal pelvis | 2.6 | 0.1 | 0.0 | 0.1 | 0.4 | 0.6 |
| C65-68 | Urinary tract (renal pelvis, ureters, urinary blad- | 0.1 | 0.0 | 0.0 | 0.0 | 0.4 | 0.6 |
| | der, and urethra) | | | | | | |
| (69 | Eye | 0.8 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 |
| C70-72, D32-33 | Central nervous system | 3.7 | 3.8 | 3.6 | 4.3 | 5.8 | 7.1 |
| 73 | Thyroid gland | 0.0 | 0.3 | 0.9 | 1.8 | 4.4 | 6.2 |
| 37, C74-75 | Other endocrine glands | 0.8 | 0.3 | 0.4 | 2.5 | 4.5 | 4.2 |
| 39, C76, C80 | Other or unspecified | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.1 |
| 281-96 | Lymphoid and haematopoietic tissue | 7.7 | 3.5 | 6.5 | 10.8 | 7.7 | 8.7 |
| C81 | Hodgkin lymphoma | 0.0 | 0.0 | 1.6 | 5.3 | 4.3 | 3.6 |
| C82-86, C96 | Non-Hodgkin lymphoma | 0.8 | 0.5 | 1.2 | 1.4 | 1.2 | 2.1 |
| C88 | Malignant immunoproliferative diseases | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| C90 | Multiple myeloma | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |

| | | | | | | | | | | 11 | MALES |
|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| | Age | | | | | | | | | | |
| 30-34 | 35-39 | 40-44 | 45-49 | 50-54 | 55-59 | 60-64 | 65-69 | 70-74 | 75-79 | 80-84 | 85+ |
| 117.7 | 197.5 | 290.3 | 427.0 | 615.8 | 813.5 | 1119.2 | 1496.2 | 1728.2 | 2073.9 | 2316.9 | 2339.2 |
| 1.5 | 2.5 | 3.1 | 5.1 | 9.2 | 13.3 | 17.7 | 19.9 | 20.5 | 27.3 | 31.8 | 38.5 |
| 0.1 | 0.4 | 0.3 | 0.5 | 1.0 | 2.1 | 4.1 | 3.6 | 6.1 | 7.0 | 11.1 | 14.5 |
| 0.4 | 0.5 | 0.3 | 1.7 | 2.4 | 3.0 | 4.8 | 4.5 | 4.2 | 5.9 | 7.9 | 7.0 |
| 0.0 | 0.2 | 0.8 | 0.3 | 1.6 | 2.1 | 2.4 | 4.8 | 4.9 | 5.7 | 7.3 | 10.3 |
| 1.0 | 1.1 | 0.3 | 0.8 | 1.9 | 1.2 | 1.4 | 2.0 | 1.1 | 3.8 | 3.2 | 4.1 |
| 0.0 | 0.4 | 1.3 | 1.8 | 2.4 | 5.0 | 5.1 | 5.0 | 4.2 | 4.9 | 2.2 | 2.6 |
| 8.8 | 17.6 | 23.6 | 45.2 | 80.3 | 121.6 | 192.0 | 309.0 | 441.3 | 593.4 | 709.8 | 680.4 |
| 0.0 | 0.0 | 0.4 | 1.0 | 1.2 | 2.9 | 3.9 | 10.1 | 10.5 | 13.0 | 11.8 | 16.3 |
| 0.1 | 2.4 | 1.8 | 3.6 | 6.6 | 5.1 | 9.8 | 16.6 | 22.6 | 29.2 | 43.6 | 51.4 |
| 0.4 | 0.5 | 0.9 | 1.6 | 2.5 | 3.7 | 5.8 | 6.8 | 7.6 | 10.3 | 14.3 | 9.8 |
| 4.9 | 6.9 | 8.9 | 19.2 | 33.4 | 51.7 | 83.0 | 139.6 | 216.4 | 307.4 | 381.0 | 337.1 |
| 2.0 | 4.0 | 6.6 | 11.3 | 19.9 | 30.6 | 44.2 | 59.2 | 81.4 | 94.6 | 102.1 | 96.0 |
| 0.0 | 0.6 | 1.4 | 2.1 | 2.7 | 3.5 | 3.7 | 6.6 | 5.3 | 8.1 | 8.9 | 5.9 |
| 0.2 | 0.6 | 0.2 | 1.5 | 1.7 | 3.5 | 5.6 | 7.7 | 13.1 | 16.0 | 19.7 | 19.4 |
| 0.2 | 0.6 | 0.4 | 1.0 | 2.5 | 3.7 | 6.3 | 11.2 | 15.0 | 17.8 | 21.6 | 22.2 |
| 1.0 | 1.7 | 2.3 | 3.1 | 8.1 | 14.9 | 24.6 | 43.6 | 59.5 | 81.9 | 89.4 | 96.5 |
| 0.0 | 0.4 | 0.6 | 0.8 | 1.6 | 2.0 | 5.1 | 7.5 | 9.9 | 15.1 | 17.5 | 25.8 |
| 1.6 | 2.5 | 5.5 | 17.3 | 36.2 | 76.7 | 127.7 | 203.3 | 264.9 | 272.5 | 253.8 | 151.8 |
| 0.2 | 0.4 | 0.1 | 0.5 | 0.7 | 1.3 | 1.5 | 0.9 | 3.6 | 2.7 | 4.5 | 2.8 |
| 0.0 | 0.4 | 0.3 | 0.3 | 1.0 | 1.8 | 1.3 | 3.0 | 1.5 | 3.5 | 2.9 | 1.8 |
| 1.3 | 1.8 | 5.1 | 16.4 | 34.2 | 73.4 | 124.2 | 198.5 | 259.4 | 266.0 | 245.8 | 145.3 |
| 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 0.7 | 0.9 | 0.4 | 0.3 | 0.6 | 1.8 |
| 1.2 | 0.4 | 0.9 | 0.9 | 0.1 | 0.4 | 1.7 | 1.5 | 1.3 | 1.1 | 2.5 | 1.8 |
| 13.3 | 25.4 | 38.0 | 44.8 | 45.9 | 59.3 | 64.6 | 85.3 | 95.1 | 88.1 | 108.8 | 119.0 |
| 1.3 | 1.8 | 4.5 | 5.9 | 9.0 | 19.0 | 30.2 | 54.8 | 91.5 | 154.9 | 219.7 | 386.9 |
| 0.0 | 0.0 | 0.0 | 0.1 | 0.6 | 0.1 | 1.3 | 1.8 | 1.9 | 3.5 | 2.5 | 1.3 |
| 0.2 | 0.1 | 0.4 | 0.0 | 0.0 | 0.0 | 0.6 | 0.3 | 0.4 | 0.0 | 0.0 | 0.3 |
| 0.9 | 1.0 | 1.9 | 2.3 | 3.4 | 5.1 | 9.4 | 8.5 | 9.5 | 7.8 | 11.4 | 8.0 |
| 23.2 | 59.1 | 109.0 | 171.4 | 238.3 | 248.1 | 317.2 | 348.4 | 257.3 | 292.8 | 286.5 | 286.0 |
| 27.1 | 38.1 | 43.3 | 55.1 | 83.0 | 113.6 | 142.9 | 175.1 | 190.7 | 207.6 | 193.7 | 181.5 |
| 21.6 | 27.6 | 25.3 | 23.4 | 15.1 | 14.7 | 13.4 | 14.3 | 13.7 | 12.7 | 14.0 | 13.9 |
| 2.1 | 3.5 | 7.4 | 14.9 | 33.6 | 55.9 | 75.2 | 95.1 | 109.1 | 118.7 | 102.4 | 73.3 |
| 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.3 | 0.3 | 0.6 | 8.0 | 0.5 | 2.5 | 3.6 |
| 2.8 | 5.7 | 8.1 | 14.0 | 29.8 | 36.1 | 46.1 | 55.5 | 55.7 | 60.3 | 54.4 | 56.8 |
| 0.4 | 1.0 | 2.2 | 2.6 | 4.2 | 6.7 | 7.9 | 9.5 | 11.4 | 15.4 | 20.4 | 33.8 |
| 0.2 | 0.4 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1.2 | 3.8 | 7.2 | 9.4 | 20.2 | 34.4 | 49.9 | 77.9 | 98.3 | 129.5 | 148.8 | 128.5 |
| 0.7 | 2.5 | 5.4 | 5.1 | 11.3 | 12.6 | 21.5 | 30.6 | 40.1 | 42.7 | 42.0 | 29.2 |
| 0.5 | 1.3 | 1.8 | 4.2 | 8.8 | 21.9 | 28.4 | 47.2 | 58.2 | 86.8 | 106.8 | 99.4 |
| 1.0 | 0.2 | 0.8 | 0.9 | 1.9 | 2.6 | 2.4 | 6.9 | 4.9 | 3.8 | 5.1 | 2.8 |
| 10.1 | 13.2 | 19.7 | 24.4 | 29.1 | 34.6 | 46.7 | 50.0 | 51.0 | 48.4 | 55.6 | 49.3 |
| 8.6 | 13.3 | 11.8 | 14.9 | 15.8 | 14.1 | 16.0 | 16.0 | 18.8 | 14.3 | 12.1 | 10.3 |
| 5.3 | 5.4 | 5.4 | 6.4 | 6.3 | 6.3 | 7.0 | 7.7 | 7.0 | 8.9 | 6.7 | 5.4 |
| 0.4 | 0.7 | 0.6 | 1.0 | 2.6 | 5.0 | 7.3 | 9.7 | 14.8 | 30.0 | 45.2 | 80.8 |
| 12.0 | 12.5 | 14.8 | 21.8 | 33.7 | 59.3 | 84.5 | 120.2 | 159.0 | 189.8 | 222.9 | 206.5 |
| 3.4 | 3.5 | 2.0 | 2.3 | 1.0 | 1.3 | 2.3 | 2.6 | 3.2 | 3.5 | 3.8 | 1.0 |
| 3.8 | 4.4 | 5.2 | 8.3 | 15.8 | 25.9 | 35.9 | 49.8 | 64.3 | 72.5 | 77.0 | 64.3 |
| 0.0 | 0.0 | 0.0 | 0.7 | 0.6 | 1.2 | 2.8 | 3.6 | 4.6 | 5.1 | 5.7 | 3.9 |
| 0.2 | 0.5 | 1.5 | 1.4 | 4.6 | 9.9 | 12.9 | 18.4 | 22.4 | 40.6 | 40.1 | 37.4 |
| 4.5 | 4.2 | 6.1 | 9.1 | 11.7 | 20.9 | 30.7 | 45.7 | 64.5 | 68.1 | 96.4 | 99.9 |
| | | | | | | | | | | | |

 Table 14a
 Average annual number of new cases by primary site and five-year period, 1956-2015

| ICD10 | Site | 1956-60 | 1961-65 | 1966-70 | 1971-75 |
|---------------|---|---------|---------|---------|---------|
| 200-96 | All sites | 3971 | 4610 | 5400 | 6294 |
| 200-14 | Mouth, pharynx | 189 | 187 | 203 | 245 |
| C00 | Lip | 101 | 93 | 103 | 121 |
| C01-02 | Tongue | 18 | 21 | 21 | 25 |
| C03-06 | Mouth, other | 22 | 21 | 32 | 29 |
| C07-08 | Salivary glands | 12 | 13 | 14 | 13 |
| C09-14 | Pharynx | 35 | 39 | 32 | 56 |
| 15-26 | Digestive organs | 1642 | 1725 | 1864 | 1950 |
| C15 | Oesophagus | 74 | 80 | 77 | 84 |
| C16 | Stomach | 851 | 794 | 769 | 662 |
| C17 | Small intestine | 10 | 11 | 18 | 16 |
| C18 | Colon | 236 | 290 | 357 | 402 |
| C19-20 | Rectum, rectosigmoid | 152 | 182 | 250 | 310 |
| C21 | Anus | 3 | 7 | 6 | 6 |
| C22 | Liver | 19 | 23 | 36 | 55 |
| C23-24 | Gallbladder, bile ducts | 17 | 22 | 27 | 28 |
| C25 | Pancreas | 143 | 176 | 218 | 250 |
| C26 | Other digestive organs | 137 | 140 | 106 | 140 |
| 30-34, C38 | Respiratory organs | 327 | 451 | 633 | 787 |
| C30-31 | Nose, sinuses | 20 | 22 | 21 | 22 |
| C32 | Larynx, epiglottis | 32 | 46 | 67 | 70 |
| C33-34 | Lung, trachea | 263 | 373 | 532 | 678 |
| C38 | Heart, mediastinum and pleura | 12 | 11 | 13 | 17 |
| 40-41 | Bone | 13 | 16 | 18 | 22 |
| 43 | Melanoma of the skin | 51 | 76 | 103 | 157 |
| 44 | Skin, non-melanoma | 84 | 73 | 90 | 172 |
| 45 | Mesothelioma | 0 | 3 | 3 | 8 |
| 47 | Autonomic nervous system | 20 | 14 | 16 | 11 |
| 48-49 | Soft tissues | 23 | 28 | 39 | 48 |
| 50 | Breast | 7 | 8 | 9 | 9 |
| .60-63 | Male genital organs | 727 | 931 | 1108 | 1334 |
| C61 | Prostate | 654 | 840 | 1012 | 1226 |
| C62 | Testis | 55 | 68 | 75 | 84 |
| C60, C63 | Other male genital | 18 | 23 | 21 | 23 |
| 64-68 | Urinary organs | 304 | 410 | 499 | 642 |
| C64 | Kidney excl. renal pelvis | 95 | 124 | 154 | 174 |
| C65-68 | Urinary tract (renal pelvis, ureters, urinary bladder, and urethra) | 209 | 286 | 345 | 468 |
| 169 | Eye | 20 | 18 | 23 | 18 |
| 70-72, D32-33 | Central nervous system | 120 | 136 | 145 | 161 |
| 73 | Thyroid gland | 20 | 23 | 35 | 34 |
| 37, C74-75 | Other endocrine glands | 5 | 11 | 16 | 26 |
| 39, C76, C80 | Other or unspecified | 54 | 85 | 125 | 146 |
| 81-96 | Lymphoid and haematopoietic tissue | 362 | 416 | 473 | 525 |
| C81 | Hodgkin lymphoma | 44 | 52 | 59 | 62 |
| C82-86, C96 | Non-Hodgkin lymphoma | 92 | 99 | 122 | 131 |
| C88 | Malignant immunoproliferative diseases | 0 | 0 | 2 | 6 |
| C90 | Multiple myeloma | 72 | 83 | 90 | 117 |
| | r · · · / · · · · | | | , , | |

| | | | | | | | MALLS |
|---------|---------|---------|---------|---------|---------|---------|---------|
| Period | | | | | | | |
| 1976-80 | 1981-85 | 1986-90 | 1991-95 | 1996-00 | 2001-05 | 2006-10 | 2011-15 |
| 7424 | 8441 | 9155 | 10257 | 11239 | 12592 | 14673 | 16924 |
| 239 | 245 | 253 | 253 | 267 | 251 | 295 | 366 |
| 116 | 98 | 94 | 74 | 66 | 48 | 69 | 71 |
| 29 | 35 | 35 | 41 | 47 | 50 | 60 | 79 |
| 34 | 45 | 46 | 54 | 51 | 45 | 51 | 54 |
| 14 | 14 | 15 | 21 | 22 | 21 | 20 | 31 |
| 45 | 52 | 62 | 63 | 81 | 87 | 96 | 130 |
| 2151 | 2357 | 2364 | 2467 | 2518 | 2714 | 2942 | 3375 |
| 87 | 87 | 98 | 107 | 118 | 133 | 155 | 199 |
| 602 | 588 | 528 | 460 | 399 | 342 | 300 | 300 |
| 19 | 31 | 25 | 32 | 40 | 53 | 70 | 94 |
| 521 | 648 | 739 | 843 | 918 | 1022 | 1156 | 1325 |
| 428 | 507 | 525 | 566 | 580 | 655 | 686 | 766 |
| 9 | 11 | 10 | 17 | 18 | 19 | 22 | 22 |
| 50 | 65 | 58 | 61 | 68 | 80 | 102 | 151 |
| 39 | 43 | 49 | 54 | 57 | 66 | 69 | 78 |
| 264 | 299 | 291 | 281 | 274 | 308 | 338 | 377 |
| 131 | 78 | 42 | 47 | 44 | 36 | 45 | 62 |
| 1007 | 1191 | 1291 | 1365 | 1430 | 1538 | 1641 | 1742 |
| 24 | 22 | 24 | 20 | 22 | 23 | 22 | 27 |
| 89 | 104 | 107 | 103 | 106 | 106 | 101 | 101 |
| 874 | 1051 | 1153 | 1226 | 1287 | 1395 | 1508 | 1606 |
| 19 | 15 | 7 | 15 | 14 | 14 | 11 | 9 |
| 20 | 24 | 21 | 22 | 21 | 25 | 26 | 28 |
| 205 | 253 | 351 | 435 | 454 | 505 | 652 | 932 |
| 224 | 276 | 368 | 473 | 548 | 641 | 785 | 942 |
| 19 | 25 | 38 | 39 | 55 | 67 | 66 | 66 |
| 9 | 8 | 8 | 7 | 6 | 5 | 7 | 5 |
| 57 | 47 | 43 | 47 | 49 | 54 | 60 | 70 |
| 10 | 13 | 12 | 13 | 15 | 15 | 16 | 28 |
| 1608 | 1861 | 2046 | 2571 | 3143 | 3619 | 4612 | 5310 |
| 1475 | 1690 | 1856 | 2344 | 2880 | 3329 | 4281 | 4951 |
| 107 | 142 | 165 | 197 | 232 | 249 | 286 | 310 |
| 26 | 29 | 25 | 31 | 31 | 40 | 45 | 49 |
| 792 | 929 | 1000 | 1098 | 1097 | 1231 | 1380 | 1678 |
| 199 | 244 | 252 | 268 | 285 | 348 | 417 | 546 |
| 594 | 685 | 748 | 829 | 812 | 883 | 963 | 1132 |
| 26 | 25 | 24 | 26 | 30 | 31 | 34 | 36 |
| 189 | 220 | 244 | 264 | 345 | 430 | 486 | 489 |
| 43 | 45 | 49 | 45 | 47 | 56 | 72 | 98 |
| 27 | 43 | 42 | 53 | 66 | 88 | 126 | 118 |
| 182 | 221 | 270 | 291 | 289 | 228 | 172 | 149 |
| 616 | 659 | 731 | 787 | 860 | 1095 | 1299 | 1492 |
| 67 | 56 | 50 | 50 | 59 | 67 | 77 | 84 |
| 161 | 204 | 268 | 307 | 356 | 386 | 481 | 543 |
| 7 | 10 | 8 | 16 | 20 | 32 | 33 | 39 |
| 149 | 152 | 162 | 160 | 162 | 182 | 200 | 221 |
| 232 | 238 | 244 | 254 | 264 | 428 | 508 | 604 |
| | | | | | | | |

 Table 14b
 Average annual number of new cases by primary site and five-year period, 1956-2015

| ICD10 | Site | 1956-60 | 1961-65 | 1966-70 | 1971-75 |
|-----------------|---|---------|---------|---------|---------|
| C00-96 | All sites | 4139 | 4576 | 5306 | 6003 |
| C00-14 | Mouth, pharynx | 60 | 67 | 74 | 78 |
| C00 | Lip | 8 | 9 | 10 | 10 |
| C01-02 | Tongue | 10 | 13 | 17 | 16 |
| C03-06 | Mouth, other | 11 | 13 | 17 | 17 |
| C07-08 | Salivary glands | 8 | 14 | 14 | 12 |
| C09-14 | Pharynx | 23 | 19 | 17 | 22 |
| C15-26 | Digestive organs | 1384 | 1435 | 1579 | 1689 |
| C15 | Oesophagus | 23 | 29 | 30 | 30 |
| C16 | Stomach | 595 | 538 | 501 | 423 |
| C17 | Small intestine | 10 | 11 | 13 | 19 |
| C18 | Colon | 273 | 337 | 427 | 494 |
| C19-20 | Rectum, rectosigmoid | 121 | 130 | 201 | 253 |
| C21 | Anus | 6 | 8 | 13 | 12 |
| C22 | Liver | 11 | 14 | 19 | 30 |
| C23-24 | Gallbladder, bile ducts | 46 | 52 | 61 | 49 |
| C25 | Pancreas | 97 | 119 | 156 | 183 |
| C26 | Other digestive organs | 202 | 198 | 158 | 195 |
| C30-34, C38 | Respiratory organs | 89 | 108 | 156 | 194 |
| C30-31 | Nose, sinuses | 13 | 13 | 12 | 14 |
| C32 | Larynx, epiglottis | 2 | 4 | 6 | 7 |
| C33-34 | Lung, trachea | 70 | 84 | 131 | 165 |
| C38 | Heart, mediastinum and pleura | 4 | 7 | 6 | 8 |
| C40-41 | Bone | 9 | 11 | 12 | 13 |
| C43 | Melanoma of the skin | 55 | 88 | 120 | 178 |
| C44 | Skin, non-melanoma | 53 | 46 | 49 | 107 |
| C45 | Mesothelioma | 0 | 1 | 1 | 2 |
| C47 | Autonomic nervous system | 17 | 11 | 14 | 10 |
| C48-49 | Soft tissues | 17 | 26 | 29 | 39 |
| C50 | Breast | 921 | 1045 | 1198 | 1360 |
| C51-58 | Female genital organs | 862 | 949 | 1098 | 1214 |
| C53 | Cervix uteri | 341 | 357 | 395 | 435 |
| C54 | Corpus uteri | 175 | 216 | 259 | 310 |
| C55 | Uterus, other | 23 | 21 | 14 | 9 |
| C56, C57.0-4 | Ovary etc. | 262 | 290 | 365 | 387 |
| C51-52, C57.7-9 | Other female genital | 59 | 63 | 60 | 69 |
| C58 | Placenta | 3 | 2 | 4 | 3 |
| C64-68 | Urinary organs | 196 | 219 | 261 | 315 |
| C64 | Kidney excl. renal pelvis | 75 | 89 | 110 | 116 |
| C65-68 | Urinary tract (renal pelvis, ureters, urinary bladder, and urethra) | 121 | 129 | 151 | 199 |
| C69 | Eye | 15 | 18 | 17 | 18 |
| C70-72, D32-33 | Central nervous system | 105 | 120 | 130 | 140 |
| C73 | Thyroid gland | 53 | 58 | 85 | 107 |
| C37, C74-75 | Other endocrine glands | 7 | 7 | 10 | 16 |
| C39, C76, C80 | Other or unspecified | 47 | 70 | 97 | 103 |
| C81-96 | Lymphoid and haematopoietic tissue | 248 | 297 | 377 | 421 |
| C81 | Hodgkin lymphoma | 31 | 37 | 45 | 41 |
| C82-86, C96 | Non-Hodgkin lymphoma | 57 | 70 | 101 | 106 |
| C88 | Malignant immunoproliferative diseases | 0 | 0 | 0 | 4 |
| C90 | Multiple myeloma | 37 | 58 | 77 | 106 |
| | Leukaemia | 122 | 132 | 153 | 164 |

| 5 | | | | | | | LINIALLS |
|------------|-------------------|-------------------|-------------------|-------------------|----------------|----------------|-------------------|
| Period | | 1007.00 | 1001.05 | 1007.00 | 2001.05 | 2007.10 | 2011.15 |
| 1976-80 | 1981-85 | 1986-90 | 1991-95 | 1996-00 | 2001-05 | 2006-10 | 2011-15 |
| 7000 | 7721 | 8409 | 9345 | 10374 | 11655 | 12809 | 14359 |
| 88 | 100 | 111 | 120 | 130 | 142 | 182 | 202 |
| 16 | 19 | 26 | 28 | 26 | 29 | 45 | 47 |
| 18 | 22 | 24 | 22 35 | 27 | 28 35 | 32 | 46 |
| 21 13 | 24 | 28 13 | | 33 | | 43 | 40 |
| | 14 | | 17 | 20 | 20 | 24 | 26 |
| 21 1984 | 19 | 19 2203 | 19 2340 | 25 | 30 | 38 | 43 |
| 31 | 2141 35 | 36 | 42 | 2454 47 | 2550 54 | 2743 56 | 3015 68 |
| 411 | 390 | 353 | 306 | 254 | 228 | 209 | 179 |
| 19 | 28 | 28 | 31 | 40 | 49 | 58 | 64 |
| 656 | 771 | 871 | 986 | 1097 | 1178 | 1291 | 1454 |
| 339 | 395 | 414 | 461 | 471 | 491 | 517 | 549 |
| 20 | 23 | 26 | 38 | 35 | 44 | 45 | 52 |
| 33 | 44 | 41 | 44 | 44 | 47 | 61 | 85 |
| 70 | 83 | 78 | 72 | 83 | 74 | 84 | 96 |
| 218 | 265 | 286 | 303 | 319 | 335 | 363 | 391 |
| 188 | 109 | 70 | 58 | 64 | 50 | 58 | 78 |
| 242 | 329 | 451 | 588 | 744 | 922 | 1192 | 1407 |
| 13 | 12 | 16 | 17 | 15 | 17 | 20 | 20 |
| 10 | 12 | 11 | 18 | 20 | 18 | 18 | 19 |
| 213 | 301 | 420 | 548 | 701 | 880 | 1147 | 1362 |
| 6 | 5 | 4 | 6 | 7 | 7 | 7 | 5 |
| 14 | 13 | 15 | 17 | 20 | 18 | 24 | 22 |
| 259 | 336 | 430 | 485 | 502 | 555 | 689 | 930 |
| 146 | 209 | 281 | 381 | 461 | 550 | 688 | 827 |
| 3 | 4 | 6 | 10 | 9 | 10 | 14 | 13 |
| 7 | 5 | 9 | 6 | 6 | 4 | 6 | 5 |
| 44 | 47 | 46 | 46 | 56 | 75 | 89 | 82 |
| 1539 | 1659 | 1787 | 2008 | 2418 | 2728 | 2754 | 3194 |
| 1287 | 1278 | 1302 | 1380 | 1410 | 1524 | 1588 | 1663 |
| 410 | 363 | 336 | 353 | 317 | 297 | 299 | 324 |
| 369 | 382 | 408 | 454 | 505 | 634 | 705 | 735 |
| 7 | 6 | 6 | 8 | 9 | 9 | 7 | 8 |
| 416 | 443 | 460 | 468 | 483 | 478 | 471 | 480 |
| 82 | 79 | 88 | 92 | 93 | 102 | 104 | 113 |
| 2 | 4 | 5 | 5 | 4 | 4 | 2 | 3 |
| 370 | 405 | 448 | 476 | 496 | 553 | 598 | 687 |
| 137 | 149 | 179 | 188 | 191 | 211 | 240 | 257 |
| 233 | 257 | 270 | 288 | 305 | 342 | 358 | 430 |
| 23 | 21 | 23 | 30 | 28 | 32 | 32 | 39 |
| 185 | 212 | 253 | 298 | 410 | 566 | 636 | 552 |
| 129 | 141 | 135 | 138 | 122 | 150 | 174 | 241 |
| 29 | 48 | 37 | 49 | 60 | 95 | 134 | 121 |
| 162 | 220 | 270 | 311 | 311 | 288 | 210 | 167 |
| 490 | 551 | 603 | 662 | 738 | 893 | 1056 | 1192 |
| 45 | 37 | 37 | 31 | 44 | 45 | 50 | 62 |
| 140 | 191 | 229 | 278 | 313 | 345 | 390 | 444 |
| 3 | 6 | 7 | 14 | 11 | 19 | 23 | 28 |
| 124 | 129 | 138 | 138 | 143 | 159 | 165 | 177 |
| 177 | 189 | 192 | 202 | 227 | 324 | 428 | 481 |
| | | | | | | | |

 Table 15a
 Age-standardised (Norwegian standard) incidence rates per 100 000 person-years by primary site and five-year period, 1956-2015

| ICD10 | Site | 1956-60 | 1961-65 | 1966-70 | 1971-75 |
|----------------|---|---------|---------|---------|---------|
| C00-96 | All sites | 332.2 | 355.0 | 385.6 | 420.4 |
| C00-14 | Mouth, pharynx | 16.1 | 14.4 | 14.7 | 16.2 |
| C00 | Lip | 8.8 | 7.4 | 7.9 | 8.2 |
| C01-02 | Tongue | 1.5 | 1.6 | 1.5 | 1.7 |
| C03-06 | Mouth, other | 1.8 | 1.9 | 2.3 | 1.9 |
| C07-08 | Salivary glands | 0.9 | 0.9 | 0.9 | 0.9 |
| C09-14 | Pharynx | 3.0 | 2.7 | 2.2 | 3.5 |
| C15-26 | Digestive organs | 140.9 | 136.4 | 136.0 | 133.2 |
| C15 | Oesophagus | 6.7 | 6.5 | 5.6 | 5.7 |
| C16 | Stomach | 73.4 | 63.2 | 56.9 | 45.5 |
| C17 | Small intestine | 0.8 | 0.8 | 1.2 | 1.0 |
| C18 | Colon | 20.2 | 23.1 | 25.9 | 27.7 |
| C19-20 | Rectum, rectosigmoid | 13.1 | 14.2 | 18.1 | 20.8 |
| C21 | Anus | 0.3 | 0.6 | 0.4 | 0.4 |
| C22 | Liver | 1.4 | 1.6 | 2.4 | 3.4 |
| C23-24 | Gallbladder, bile ducts | 1.3 | 1.6 | 2.0 | 1.9 |
| C25 | Pancreas | 11.6 | 12.9 | 15.3 | 16.3 |
| C26 | Other digestive organs | 12.2 | 11.9 | 8.0 | 10.5 |
| C30-34, C38 | Respiratory organs | 24.1 | 31.0 | 40.5 | 47.6 |
| C30-31 | Nose, sinuses | 1.6 | 1.7 | 1.4 | 1.4 |
| C32 | Larynx, epiglottis | 2.4 | 3.2 | 4.3 | 4.2 |
| C33-34 | Lung, trachea | 19.2 | 25.4 | 34.0 | 41.0 |
| C38 | Heart, mediastinum and pleura | 0.9 | 0.8 | 0.8 | 1.0 |
| C40-41 | Bone | 0.8 | 0.9 | 1.0 | 1.2 |
| C43 | Melanoma of the skin | 3.7 | 5.1 | 6.7 | 9.6 |
| C44 | Skin, non-melanoma | 8.2 | 6.7 | 7.8 | 14.2 |
| C45 | Mesothelioma | 0.0 | 0.2 | 0.2 | 0.4 |
| C47 | Autonomic nervous system | 1.4 | 0.8 | 0.9 | 0.6 |
| C48-49 | Soft tissues | 1.8 | 1.9 | 2.6 | 3.0 |
| C50 | Breast | 0.6 | 0.7 | 0.7 | 0.6 |
| C60-63 | Male genital organs | 68.7 | 80.1 | 87.3 | 96.3 |
| C61 | Prostate | 63.8 | 74.0 | 81.2 | 90.0 |
| C62 | Testis | 3.4 | 4.1 | 4.4 | 4.6 |
| C60, C63 | Other male genital | 1.6 | 2.0 | 1.7 | 1.6 |
| C64-68 | Urinary organs | 24.5 | 30.8 | 34.3 | 41.5 |
| C64 | Kidney excl. renal pelvis | 7.1 | 8.8 | 10.3 | 10.7 |
| C65-68 | Urinary tract (renal pelvis, ureters, urinary bladder, and urethra) | 17.4 | 22.0 | 24.0 | 30.8 |
| C69 | Eye | 1.4 | 1.2 | 1.4 | 1.0 |
| C70-72, D32-33 | Central nervous system | 7.4 | 7.9 | 8.2 | 8.9 |
| C73 | Thyroid gland | 1.5 | 1.6 | 2.3 | 2.2 |
| C37, C74-75 | Other endocrine glands | 0.3 | 0.6 | 0.9 | 1.4 |
| C39, C76, C80 | Other or unspecified | 4.4 | 6.3 | 9.1 | 10.0 |
| C81-96 | Lymphoid and haematopoietic tissue | 26.3 | 28.2 | 31.0 | 32.5 |
| C81 | Hodgkin lymphoma | 3.0 | 3.2 | 3.5 | 3.6 |
| C82-86, C96 | Non-Hodgkin lymphoma | 6.6 | 6.7 | 7.9 | 8.1 |
| C88 | Malignant immunoproliferative diseases | 0.0 | 0.0 | 0.1 | 0.4 |
| C90 | Multiple myeloma | 5.7 | 6.0 | 6.4 | 7.8 |
| | Leukaemia | 11.0 | 12.3 | 13.0 | 12.7 |

| TVI7 (LLS | | | | | | | |
|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 2011 15 | 2007 10 | 2001.05 | 1007.00 | 1001.05 | 1007.00 | | Peri |
| 2011-15 730.3 | 2006-10 708.4 | 2001-05 663.1 | 1996-00 616.5 | 1991-95 578.9 | 1986-90 531.3 | 1981-85 506.3 | 1976-80 468.2 |
| 15.3 | 13.8 | 12.8 | 14.5 | 14.3 | 14.8 | 14.6 | 15.0 |
| 3.2 | 3.4 | 2.6 | 3.7 | 4.3 | 5.6 | 6.1 | 7.4 |
| 3.2 | 2.8 | 2.5 | 2.5 | 2.3 | 2.0 | 2.0 | 1.7 |
| 2.3 | 2.4 | 2.3 | 2.3 | 3.0 | 2.8 | 2.7 | 2.2 |
| | | | | | | | 0.9 |
| 1.4 | 1.0 | 1.1 | 1.2 | 1.2 | 0.9 | 0.8 | |
| 5.2 | 4.3 | 4.3 | 4.3 | 3.6 | 3.5 | 3.0 | 2.7 |
| 147.4 | 144.0 | 144.6 | 139.8 | 141.8 | 139.5 | 144.5 | 139.0 |
| 8.5 | 7.5 | 7.1 | 6.6 | 6.2 | 5.7 | 5.2 | 5.5 |
| 13.2 | 14.8 | 18.5 | 22.3 | 26.6 | 31.4 | 36.1 | 39.1 |
| 4.0 | 3.3 | 2.7 | 2.2 | 1.8 | 1.4 | 1.9 | 1.2 |
| 58.7 | 57.1 | 54.6 | 50.9 | 48.5 | 43.8 | 39.5 | 33.9 |
| 32.9 | 33.1 | 34.7 | 32.1 | 32.3 | 30.6 | 30.6 | 27.4 |
| 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 0.6 | 0.7 | 0.5 |
| 6.5 | 4.9 | 4.1 | 3.6 | 3.3 | 3.4 | 3.8 | 3.1 |
| 3.4 | 3.4 | 3.4 | 3.3 | 3.1 | 2.8 | 2.6 | 2.5 |
| 16.4 | 16.6 | 16.4 | 15.2 | 16.1 | 17.0 | 18.5 | 16.5 |
| 2.7 | 2.3 | 2.0 | 2.7 | 3.0 | 2.8 | 5.5 | 9.1 |
| 75.8 | 79.1 | 80.3 | 77.4 | 75.7 | 72.3 | 67.8 | 58.8 |
| 1.1 | 1.0 | 1.2 | 1.1 | 1.2 | 1.4 | 1.3 | 1.4 |
| 4.3 | 4.8 | 5.5 | 5.8 | 5.8 | 6.0 | 5.9 | 5.2 |
| 70.0 | 72.8 | 72.9 | 69.7 | 68.0 | 64.5 | 59.7 | 51.0 |
| 0.4 | 0.5 | 0.7 | 0.8 | 0.8 | 0.4 | 0.9 | 1.2 |
| 1.1 | 1.1 | 1.2 | 1.0 | 1.1 | 1.0 | 1.2 | 1.1 |
| 39.5 | 30.3 | 25.2 | 23.4 | 23.4 | 19.5 | 14.4 | 12.1 |
| 44.6 | 40.9 | 35.7 | 32.1 | 28.3 | 23.4 | 18.5 | 16.1 |
| 2.9 | 3.3 | 3.5 | 3.0 | 2.2 | 2.2 | 1.4 | 1.1 |
| 0.2 | 0.3 | 0.2 | 0.3 | 0.3 | 0.4 | 0.4 | 0.5 |
| 2.9 | 2.8 | 2.6 | 2.5 | 2.6 | 2.3 | 2.7 | 3.5 |
| 1.2 | 0.8 | 0.8 | 0.9 | 0.7 | 0.7 | 0.9 | 0.7 |
| 225.3 | 223.0 | 193.6 | 175.2 | 146.1 | 120.1 | 114.4 | 107.0 |
| 211.2 | 209.0 | 180.9 | 163.5 | 135.7 | 111.2 | 105.8 | 99.8 |
| 12.0 | 11.9 | 10.6 | 9.9 | 8.6 | 7.4 | 6.8 | 5.5 |
| 2.1 | 2.1 | 2.1 | 1.7 | 1.8 | 1.5 | 1.8 | 1.7 |
| 73.1 | 67.0 | 64.8 | 60.4 | 62.3 | 58.4 | 55.1 | 48.7 |
| 22.7 | 19.5 | 17.7 | 15.3 | 14.9 | 14.5 | 14.2 | 11.7 |
| 50.4 | 47.5 | 47.1 | 45.1 | 47.4 | 44.0 | 40.9 | 37.0 |
| 1.5 | 1.6 | 1.6 | 1.6 | 1.4 | 1.3 | 1.4 | 1.5 |
| 20.0 | 21.8 | 20.5 | 17.1 | 13.7 | 13.0 | 11.8 | 10.3 |
| 4.0 | 3.2 | 2.6 | 2.3 | 2.4 | 2.6 | 2.5 | 2.5 |
| 4.8 | 5.5 | 4.2 | 3.2 | 2.7 | 2.2 | 2.3 | 1.4 |
| 6.9 | 8.8 | 12.6 | 16.2 | 17.1 | 16.3 | 13.8 | 11.4 |
| 63.9 | 61.2 | 56.1 | 45.7 | 43.0 | 41.2 | 38.7 | 37.5 |
| 3.3 | 3.3 | 3.1 | 2.7 | 2.3 | 2.4 | 2.9 | 3.6 |
| 23.1 | 22.5 | 19.5 | 18.8 | 16.5 | 14.9 | 11.8 | 9.7 |
| 1.7 | 1.6 | 1.7 | 1.1 | 0.9 | 0.5 | 0.6 | 0.4 |
| 9.7 | 9.6 | 9.6 | 9.0 | 9.1 | 9.7 | 9.2 | 9.5 |
| 26.1 | 24.2 | 22.3 | 14.1 | 14.1 | 13.7 | 14.1 | 14.3 |
| 20.1 | 24.2 | 22.3 | 14.1 | 14.1 | 13.7 | 14.1 | 14.3 |
| | | | | | | | |

 Table 15b
 Age-standardised (Norwegian standard) incidence rates per 100 000 person-years by primary site and five-year period, 1956-2015

| CD10 | Site | 1956-60 | 1961-65 | 1966-70 | 1971-75 |
|-----------------|---|---------|---------|---------|---------|
| 00-96 | All sites | 285.5 | 291.2 | 310.3 | 328.7 |
| 00-14 | Mouth, pharynx | 4.5 | 4.5 | 4.5 | 4.3 |
| C00 | Lip | 0.6 | 0.6 | 0.6 | 0.6 |
| C01-02 | Tongue | 0.8 | 0.9 | 1.0 | 0.9 |
| C03-06 | Mouth, other | 1.0 | 0.9 | 1.0 | 0.9 |
| C07-08 | Salivary glands | 0.6 | 0.9 | 0.8 | 0.7 |
| C09-14 | Pharynx | 1.6 | 1.2 | 1.0 | 1.2 |
| 15-26 | Digestive organs | 104.5 | 98.3 | 96.2 | 93.2 |
| C15 | Oesophagus | 1.8 | 2.0 | 1.9 | 1.6 |
| C16 | Stomach | 45.8 | 37.7 | 30.9 | 23.5 |
| C17 | Small intestine | 0.7 | 0.6 | 0.7 | 1.0 |
| C18 | Colon | 20.2 | 22.7 | 25.6 | 27.1 |
| C19-20 | Rectum, rectosigmoid | 8.7 | 8.5 | 11.9 | 13.8 |
| C21 | Anus | 0.5 | 0.5 | 0.8 | 0.7 |
| C22 | Liver | 0.8 | 0.9 | 1.1 | 1.6 |
| C23-24 | Gallbladder, bile ducts | 3.3 | 3.4 | 3.6 | 2.7 |
| C25 | Pancreas | 6.9 | 7.6 | 9.2 | 9.8 |
| C26 | Other digestive organs | 15.9 | 14.3 | 10.3 | 11.4 |
| 30-34, C38 | Respiratory organs | 6.2 | 6.9 | 9.0 | 10.3 |
| C30-31 | Nose, sinuses | 1.1 | 0.9 | 0.8 | 0.8 |
| C32 | Larynx, epiglottis | 0.1 | 0.3 | 0.3 | 0.4 |
| C33-34 | Lung, trachea | 4.8 | 5.3 | 7.6 | 8.7 |
| C38 | Heart, mediastinum and pleura | 0.3 | 0.5 | 0.3 | 0.4 |
| 240-41 | Bone | 0.5 | 0.6 | 0.6 | 0.7 |
| 243 | Melanoma of the skin | 3.7 | 5.3 | 7.1 | 10.0 |
| 244 | Skin, non-melanoma | 4.1 | 3.4 | 3.2 | 6.4 |
| 245 | Mesothelioma | 0.0 | 0.1 | 0.1 | 0.1 |
| C47 | Autonomic nervous system | 1.1 | 0.6 | 0.7 | 0.5 |
| C48-49 | Soft tissues | 1.1 | 1.7 | 1.6 | 2.2 |
| 50 | Breast | 60.6 | 64.8 | 69.0 | 75.0 |
| .50 .51-58 | Female genital organs | 54.9 | 56.9 | 62.4 | 66.2 |
| C53 | Cervix uteri | 20.6 | 21.1 | 22.8 | 24.7 |
| | | 11.1 | 12.7 | 14.4 | |
| C54 | Corpus uteri | | | | 16.4 |
| C55 | Uterus, other | 1.8 | 1.4 | 1.0 | 0.5 |
| C56, C57.0-4 | Ovary etc. | 16.8 | 17.4 | 20.4 | 20.7 |
| C51-52, C57.7-9 | Other female genital | 4.3 | 4.1 | 3.5 | 3.7 |
| C58 | Placenta | 0.2 | 0.1 | 0.2 | 0.1 |
| 264-68 | Urinary organs | 13.9 | 14.0 | 15.2 | 16.8 |
| C64 | Kidney excl. renal pelvis | 5.0 | 5.4 | 6.2 | 6.1 |
| C65-68 | Urinary tract (renal pelvis, ureters, urinary bladder, and urethra) | 8.8 | 8.6 | 9.0 | 10.7 |
| C69 | Eye | 0.9 | 1.0 | 1.0 | 0.9 |
| 70-72, D32-33 | Central nervous system | 6.3 | 6.9 | 7.1 | 7.4 |
| .73 | Thyroid gland | 3.6 | 3.6 | 4.9 | 5.9 |
| 37, C74-75 | Other endocrine glands | 0.4 | 0.4 | 0.6 | 0.0 |
| 39, C76, C80 | Other or unspecified | 3.3 | 4.4 | 5.8 | 5.7 |
| 81-96 | Lymphoid and haematopoietic tissue | 16.0 | 17.9 | 21.3 | 22.3 |
| C81 | Hodgkin lymphoma | 1.9 | 2.2 | 2.5 | 2.2 |
| C82-86, C96 | Non-Hodgkin lymphoma | 3.7 | 4.3 | 5.8 | 5.7 |
| | - · · · · | | 0.0 | 0.0 | 0.2 |
| C88 | Malignant immunoproliferative diseases | 0.0 | 0.0 | 0.0 | 0.2 |

| Doriod | | | | | | | LIMALLS |
|-------------------|---------|---------|---------|---------|---------|---------|---------|
| Period 1976-80 | 1981-85 | 1986-90 | 1991-95 | 1996-00 | 2001-05 | 2006-10 | 2011-15 |
| 361.1 | 374.9 | 389.3 | 418.8 | 452.5 | 490.3 | 511.8 | 537.1 |
| 4.6 | 4.8 | 5.2 | 5.4 | 5.7 | 6.0 | 7.3 | 7.5 |
| 0.8 | 1.0 | 1.2 | 1.2 | 1.1 | 1.1 | 1.7 | 1.7 |
| 1.0 | 1.1 | 1.1 | 1.0 | 1.2 | 1.2 | 1.3 | 1.7 |
| 1.1 | 1.1 | 1.3 | 1.5 | 1.4 | 1.5 | 1.7 | 1.5 |
| 0.7 | 0.7 | 0.6 | 0.8 | 0.9 | 0.8 | 1.0 | 1.0 |
| 1.0 | 0.9 | 1.0 | 0.8 | 1.2 | 1.3 | 1.6 | 1.7 |
| 100.3 | 100.0 | 96.8 | 99.3 | 100.7 | 102.0 | 105.2 | 109.5 |
| 1.6 | 1.6 | 1.6 | 1.8 | 1.9 | 2.2 | 2.1 | 2.5 |
| 20.8 | 18.1 | 15.3 | 12.7 | 10.2 | 9.0 | 7.8 | 6.4 |
| 0.9 | 1.3 | 1.3 | 1.4 | 1.7 | 2.1 | 2.3 | 2.4 |
| 33.0 | 36.0 | 38.4 | 41.8 | 45.1 | 47.0 | 49.3 | 52.5 |
| 17.2 | 18.5 | 18.3 | 20.1 | 19.8 | 20.1 | 20.4 | 20.3 |
| 1.0 | 1.2 | 1.3 | 1.8 | 1.5 | 1.8 | 1.8 | 2.0 |
| 1.7 | 2.1 | 1.8 | 1.9 | 1.9 | 1.9 | 2.3 | 3.1 |
| 3.4 | 3.8 | 3.4 | 3.0 | 3.3 | 2.9 | 3.2 | 3.5 |
| 10.7 | 12.2 | 12.3 | 12.6 | 12.7 | 13.2 | 13.8 | 14.1 |
| 10.0 | 5.2 | 3.1 | 2.4 | 2.4 | 1.9 | 2.1 | 2.8 |
| 12.1 | 15.8 | 21.1 | 27.2 | 34.0 | 40.1 | 48.5 | 52.8 |
| 0.7 | 0.6 | 0.7 | 0.7 | 0.7 | 0.7 | 0.8 | 0.7 |
| 0.5 | 0.5 | 0.5 | 0.8 | 0.9 | 0.8 | 0.7 | 0.7 |
| 10.7 | 14.5 | 19.7 | 25.4 | 32.1 | 38.4 | 46.7 | 51.1 |
| 0.3 | 0.2 | 0.2 | 0.3 | 0.3 | 0.2 | 0.3 | 0.2 |
| 0.7 | 0.6 | 0.7 | 0.8 | 0.9 | 0.8 | 1.0 | 0.9 |
| 14.0 | 17.2 | 21.1 | 22.8 | 22.5 | 24.0 | 28.2 | 35.5 |
| 8.0 | 10.0 | 12.3 | 15.8 | 18.1 | 20.7 | 24.7 | 28.2 |
| 0.1 | 0.2 | 0.3 | 0.4 | 0.4 | 0.4 | 0.6 | 0.5 |
| 0.3 | 0.3 | 0.4 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 |
| 2.2 | 2.2 | 2.2 | 2.1 | 2.4 | 3.3 | 3.7 | 3.1 |
| 81.1 | 83.3 | 85.8 | 93.6 | 111.5 | 120.8 | 114.2 | 123.3 |
| 67.7 | 64.6 | 63.3 | 64.9 | 63.9 | 65.5 | 65.0 | 63.5 |
| 22.3 | 18.6 | 16.5 | 16.6 | 14.4 | 12.8 | 12.4 | 12.8 |
| 19.1 | 19.4 | 20.0 | 21.7 | 23.4 | 27.6 | 29.1 | 27.9 |
| 0.4 | 0.3 | 0.3 | 0.3 | 0.4 | 0.3 | 0.3 | 0.3 |
| 21.5 | 22.3 | 22.4 | 22.1 | 21.8 | 20.6 | 19.2 | 18.3 |
| 4.3 | 3.8 | 3.9 | 4.0 | 3.8 | 4.1 | 4.0 | 4.1 |
| 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 |
| 18.4 | 18.8 | 19.9 | 20.3 | 20.7 | 22.4 | 23.5 | 25.2 |
| 6.8 | 7.0 | 8.1 | 8.1 | 8.1 | 8.7 | 9.6 | 9.7 |
| 11.6 | 11.9 | 11.9 | 12.2 | 12.5 | 13.7 | 13.8 | 15.5 |
| 1.1 | 1.1 | 1.0 | 1.4 | 1.2 | 1.3 | 1.3 | 1.5 |
| 9.5 | 10.5 | 12.2 | 14.0 | 18.3 | 24.7 | 26.1 | 21.3 |
| 6.9 | 7.0 | 6.4 | 6.4 | 5.4 | 6.4 | 7.3 | 9.5 |
| 1.5 | 2.4 | 1.8 | 2.3 | 2.7 | 4.2 | 5.7 | 4.8 |
| 8.2 | 10.2 | 11.8 | 13.0 | 12.5 | 10.8 | 7.6 | 5.7 |
| 24.5 | 25.7 | 27.0 | 28.8 | 31.3 | 36.6 | 41.9 | 44.3 |
| 2.2 | 1.7 | 1.6 | 1.4 | 1.9 | 1.9 | 2.1 | 2.5 |
| 7.1 | 9.1 | 10.5 | 12.4 | 13.6 | 14.5 | 15.7 | 16.6 |
| 0.2 | 0.3 | 0.3 | 0.6 | 0.4 | 0.8 | 0.9 | 1.0 |
| 6.1 | 6.0 | 6.0 | 5.7 | 5.9 | 6.4 | 6.4 | 6.5 |
| 8.9 | 8.7 | 8.5 | 8.7 | 9.5 | 13.0 | 16.8 | 17.7 |
| | | | | | | | |

 Table 16a
 Average annual number of new cases by primary site and county, 2011-2015

| ICD10 | Site | Norway | Østfold | Akershus | Oslo | Hedmark | Oppland | Buskerud | |
|----------------|---|--------|---------|----------|------|---------|---------|----------|--|
| C00-96 | All sites | 16924 | 1083 | 1791 | 1506 | 729 | 685 | 968 | |
| C00-14 | Mouth, pharynx | 366 | 22 | 35 | 43 | 15 | 15 | 22 | |
| C00 | Lip | 71 | 5 | 6 | 4 | 3 | 4 | 5 | |
| C01-02 | Tongue | 79 | 4 | 10 | 10 | 2 | 3 | 4 | |
| C03-06 | Mouth, other | 54 | 3 | 6 | 6 | 2 | 3 | 3 | |
| C07-08 | Salivary glands | 31 | 2 | 2 | 4 | 2 | 1 | 1 | |
| C09-14 | Pharynx | 130 | 8 | 12 | 18 | 6 | 5 | 9 | |
| C15-26 | Digestive organs | 3375 | 208 | 354 | 305 | 149 | 137 | 186 | |
| C15 | Oesophagus | 199 | 12 | 20 | 15 | 11 | 11 | 11 | |
| C16 | Stomach | 300 | 17 | 24 | 25 | 12 | 12 | 17 | |
| C17 | Small intestine | 94 | 5 | 11 | 6 | 4 | 3 | 4 | |
| C18 | Colon | 1325 | 86 | 141 | 113 | 55 | 55 | 75 | |
| C19-20 | Rectum, rectosigmoid | 766 | 49 | 84 | 69 | 34 | 31 | 41 | |
| C21 | Anus | 22 | 2 | 2 | 3 | 1 | 1 | 1 | |
| C22 | Liver | 151 | 8 | 17 | 22 | 8 | 4 | 7 | |
| C23-24 | Gallbladder, bile ducts | 78 | 6 | 9 | 8 | 4 | 4 | 4 | |
| C25 | Pancreas | 377 | 18 | 38 | 36 | 17 | 15 | 23 | |
| C26 | Other digestive organs | 62 | 4 | 7 | 8 | 3 | 2 | 4 | |
| C30-34, C38 | Respiratory organs | 1742 | 115 | 153 | 132 | 82 | 77 | 91 | |
| C30-31 | Nose, sinuses | 27 | 0 | 2 | 2 | 2 | 2 | 2 | |
| C32 | Larynx, epiglottis | 101 | 5 | 9 | 10 | 5 | 5 | 5 | |
| C33-34 | Lung, trachea | 1606 | 109 | 141 | 120 | 74 | 70 | 84 | |
| C38 | Heart, mediastinum and pleura | 9 | 0 | 1 | 0 | 1 | 0 | 0 | |
| C40-41 | Bone | 28 | 3 | 2 | 2 | 2 | 1 | 0 | |
| C43 | Melanoma of the skin | 932 | 56 | 117 | 98 | 40 | 32 | 59 | |
| C44 | Skin, non-melanoma | 942 | 63 | 96 | 76 | 32 | 28 | 65 | |
| C45 | Mesothelioma | 66 | 3 | 7 | 8 | 3 | 3 | 5 | |
| C47 | Autonomic nervous system | 5 | 0 | 1 | 0 | 0 | 0 | 1 | |
| C48-49 | Soft tissues | 70 | 3 | 8 | 8 | 3 | 4 | 4 | |
| C50 | Breast | 28 | 1 | 4 | 3 | 1 | 1 | 1 | |
| C60-63 | Male genital organs | 5310 | 383 | 576 | 443 | 221 | 222 | 298 | |
| C61 | Prostate | 4951 | 363 | 542 | 395 | 209 | 210 | 284 | |
| C62 | Testis | 310 | 17 | 30 | 41 | 11 | 10 | 12 | |
| C60, C63 | Other male genital | 49 | 3 | 4 | 6 | 1 | 2 | 3 | |
| C64-68 | Urinary organs | 1678 | 101 | 177 | 144 | 76 | 66 | 100 | |
| C64 | Kidney excl. renal pelvis | 546 | 31 | 56 | 50 | 25 | 24 | 36 | |
| C65-68 | Urinary tract (renal pelvis, ureters, urinary bladder, and urethra) | 1132 | 70 | 121 | 93 | 51 | 43 | 65 | |
| C69 | Eye | 36 | 4 | 3 | 4 | 2 | 1 | 2 | |
| C70-72, D32-33 | Central nervous system | 489 | 27 | 53 | 51 | 19 | 19 | 29 | |
| C73 | Thyroid gland | 98 | 5 | 11 | 13 | 4 | 3 | 7 | |
| C37, C74-75 | Other endocrine glands | 118 | 7 | 14 | 13 | 4 | 5 | 5 | |
| C39, C76, C80 | Other or unspecified | 149 | 9 | 11 | 13 | 7 | 7 | 11 | |
| C81-96 | Lymphoid and haematopoietic tissue | 1492 | 74 | 170 | 152 | 70 | 63 | 82 | |
| C81 | Hodgkin lymphoma | 84 | 3 | 8 | 10 | 6 | 3 | 4 | |
| C82-86, C96 | Non-Hodgkin lymphoma | 543 | 29 | 56 | 52 | 25 | 25 | 25 | |
| C88 | Malignant immunoproliferative diseases | 39 | 1 | 7 | 4 | 1 | 1 | 3 | |
| C90 | Multiple myeloma | 221 | 9 | 25 | 22 | 13 | 10 | 11 | |
| C91-95, D45-47 | Leukaemia | 604 | 31 | 73 | 65 | 25 | 24 | 38 | |
| | | | | | | | | | |

| | | | | | | | | | | | | | MALES |
|---|--------------|--------------|------------|------------|------------|-----------|---------------------|--------------------|-------------------|--------------------|-----------|----------|----------|
| | Vestfold | Telemark | Aust-Agder | Vest-Agder | Rogaland | Hordaland | Sogn og Fjordane | Møre og Romsdal | Sør- Trøndelag | Nord- Trøndelag | Nordland | Troms | Finnmark |
| 9 | 64 | 645 | 431 | 566 | 1427 | 1688 | 406 | 977 | 940 | 494 | 841 | 548 | 233 |
| | 23 | 16 | 7 | 12 | 28 | 36 | 8 | 20 | 22 | 6 | 20 | 11 | 5 |
| | 3 | 3 | 2 | 3 | 8 | 7 | 2 | 6 | 4 | 2 | 4 | 2 | 0 |
| | 6 | 2 | 1 | 2 | 6 | 9 | 2 | 4 | 6 | 1 | 4 | 2 | 2 |
| | 4 | 2 | 2 | 1 | 5 | 7 | 1 | 2 | 3 | 1 | 3 | 1 | 1 |
| | 2 | 2 | 0 | 1 | 2 | 3 | 0 | 3 | 2 | 1 | 3 | 1 | 0 |
| 4 | 8 | 7 | 2 | 5 | 7 | 10 | 3 | 6 | 8 | 2 | 6 | 6 | 2 |
| | 1 7 8 | 117 7 | 78 | 103 | 268 | 340 22 | 88 | 194 11 | 203 | 107 | 198 13 | 115 7 | 3 |
| | 13 | 12 | 7 | 6 | 25 | 32 | 6 | 18 | 20 | 10 | 21 | 12 | 6 |
| | 5 | 3 | 1 | 4 | 11 | 12 | 2 | 4 | 8 | 4 | 3 | 3 | 1 |
| | 70 | 44 | 29 | 41 | 106 | 134 | 34 | 82 | 81 | 45 | 78 | 41 | 15 |
| | 43 | 25 | 18 | 23 | 59 | 79 | 22 | 45 | 44 | 24 | 39 | 29 | 9 |
| | 1 | 1 | 0 | 0 | 1 | 2 | 0 | 1 | 2 | 1 | 0 | 0 | 1 |
| | 8 | 6 | 2 | 3 | 12 | 12 | 3 | 7 | 9 | 4 | 9 | 7 | 2 |
| | 3 | 3 | 3 | 2 | 4 | 6 | 2 | 4 | 6 | 2 | 4 | 3 | 1 |
| | 20 | 15 | 11 | 12 | 29 | 37 | 10 | 19 | 22 | 11 | 25 | 12 | 7 |
| | 5 | 1 | 1 | 2 | 4 | 5 | 1 | 4 | 2 | 1 | 5 | 1 | 1 |
| 1 | 106 | 66 | 48 | 65 | 155 | 170 | 42 | 98 | 92 | 55 | 99 | 61 | 36 |
| | 2 | 1 | 0 | 0 | 3 | 3 | 1 | 2 | 1 | 1 | 2 | 1 | 0 |
| | 5 | 3 | 2 | 2 | 11 | 9 | 2 | 8 | 4 | 4 | 6 | 3 | 1 |
| | 98 | 61 | 46 | 62 | 141 | 158 | 39 | 88 | 86 | 50 | 90 | 56 | 34 |
| | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 |
| | 1 | 1 | 0 | 0 | 2 | 4 | 1 | 2 | 2 | 1 | 2 | 1 | 1 |
| | 70 | 37 | 25 | 33 | 88 | 91 | 16 | 31 | 56 | 27 | 27 | 23 | 6 |
| | 61 | 50 | 35 | 51 | 82 | 106 | 22 | 37 | 44 | 24 | 39 | 25 | 9 |
| | 6 | 2 | 1 | 3 | 5 | 9 | 1 | 3 | 2 | 1 | 2 | 1 | 1 |
| | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 2 | 2 | 0 | 1 | 5 | 6 | 0 | 3 1 | 1 | 3 | 1 | 3 | 0 |
| 2 | 288 | 203 | 138 | 163 | 458 | 530 | 128 | 360 | 287 | 149 | 223 | 174 | 69 |
| | 270 | 192 | 131 | 150 | 423 | 491 | 120 | 340 | 263 | 139 | 205 | 162 | 62 |
| | 14 | 8 | 6 | 12 | 32 | 33 | 7 | 18 | 22 | 7 | 14 | 10 | 6 |
| | 4 | 2 | 1 | 1 | 2 | 6 | 1 | 2 | 2 | 2 | 4 | 1 | 1 |
| 1 | 102 | 62 | 38 | 55 | 117 | 161 | 40 | 107 | 90 | 50 | 104 | 64 | 24 |
| | 31 | 21 | 12 | 22 | 41 | 48 | 14 | 32 | 35 | 18 | 26 | 16 | 9 |
| | 71 | 41 | 26 | 33 | 77 | 113 | 25 | 75 | 55 | 32 | 78 | 48 | 15 |
| | 2 | 1 | 1 | 1 | 4 | 2 | 1 | 1 | 2 | 1 | 2 | 2 | 1 |
| | 26 | 20 | 11 | 17 | 50 | 45 | 11 | 20 | 30 | 16 | 23 | 14 | 8 |
| | 3 | 3 | 1 | 4 | 6 | 10 | 2 | 7 | 5 | 3 | 5 | 4 | 3 |
| | 5 | 6 | 3 | 5 | 10 | 16 | 4 | 2 | 7 | 3 | 5 | 4 | 1 |
| | 7 | 5 | 5 | 5 | 9 | 17 | 3 | 9 | 9 | 4 | 9 | 5 | 4 |
| | 81 | 51 | 38 | 46 | 138 | 141 | 38 | 81 | 83 | 44 | 77 | 42 | 20 |
| | 4 | 2 | 2 | 3 | 7 | 9 | 1 | 6 | 5 | 2 | 5 | 4 | 1 |
| | 27 | 18 | 15 | 16 | 51 | 48 | 13 | 38 | 32 | 16 | 31 | 18 | 7 |
| | 3 | 1 | 1 | 1 | 2 | 5 | 1 | 2 | 3 | 0 | 2 | 1 | 0 |
| | 12 | 8 | 5 | 5 | 19 | 21 | 8 | 11 | 12 | 7 | 15 | 4 | 3 |
| | 34 | 23 | 16 | 22 | 59 | 58 | 14 | 24 | 32 | 18 | 25 | 15 | 7 |

 Table 16b
 Average annual number of new cases by primary site and county, 2011-2015

| ICD10 | Site | Norway | Østfold | Akershus | 0slo | Hedmark | Oppland | Buskerud | |
|-----------------|---|--------|---------|----------|------|---------|---------|----------|--|
| C00-96 | All sites | 14359 | 886 | 1556 | 1562 | 613 | 590 | 828 | |
| C00-14 | Mouth, pharynx | 202 | 11 | 22 | 26 | 10 | 8 | 8 | |
| C00 | Lip | 47 | 3 | 5 | 3 | 3 | 2 | 2 | |
| C01-02 | Tongue | 46 | 2 | 5 | 6 | 2 | 1 | 1 | |
| C03-06 | Mouth, other | 40 | 2 | 5 | 6 | 2 | 2 | 2 | |
| C07-08 | Salivary glands | 26 | 1 | 3 | 3 | 2 | 2 | 0 | |
| C09-14 | Pharynx | 43 | 2 | 4 | 8 | 1 | 1 | 2 | |
| C15-26 | Digestive organs | 3015 | 192 | 321 | 287 | 132 | 121 | 168 | |
| C15 | Oesophagus | 68 | 3 | 6 | 10 | 4 | 4 | 3 | |
| C16 | Stomach | 179 | 9 | 14 | 16 | 7 | 7 | 9 | |
| C17 | Small intestine | 64 | 4 | 6 | 6 | 5 | 2 | 3 | |
| C18 | Colon | 1454 | 97 | 149 | 133 | 58 | 54 | 87 | |
| C19-20 | Rectum, rectosigmoid | 549 | 35 | 64 | 50 | 24 | 26 | 29 | |
| C21 | Anus | 52 | 2 | 8 | 6 | 2 | 2 | 3 | |
| C22 | Liver | 85 | 5 | 10 | 10 | 5 | 2 | 3 | |
| C23-24 | Gallbladder, bile ducts | 96 | 4 | 11 | 10 | 5 | 6 | 7 | |
| C25 | Pancreas | 391 | 26 | 46 | 37 | 18 | 14 | 19 | |
| C26 | Other digestive organs | 78 | 6 | 7 | 9 | 4 | 3 | 5 | |
| C30-34, C38 | Respiratory organs | 1407 | 105 | 151 | 133 | 66 | 56 | 73 | |
| C30-31 | Nose, sinuses | 20 | 1 | 2 | 2 | 1 | 2 | 2 | |
| C32 | Larynx, epiglottis | 19 | 2 | 1 | 2 | 1 | 0 | 1 | |
| C33-34 | Lung, trachea | 1362 | 101 | 147 | 129 | 64 | 53 | 70 | |
| C38 | Heart, mediastinum and pleura | 5 | 1 | 0 | 0 | 0 | 0 | 0 | |
| C40-41 | Bone | 22 | 1 | 2 | 3 | 1 | 1 | 0 | |
| C43 | Melanoma of the skin | 930 | 54 | 115 | 104 | 34 | 35 | 55 | |
| C44 | Skin, non-melanoma | 827 | 52 | 80 | 74 | 29 | 22 | 65 | |
| C45 | Mesothelioma | 13 | 1 | 2 | 1 | 0 | 1 | 1 | |
| C47 | Autonomic nervous system | 5 | 0 | 1 | 0 | 0 | 0 | 0 | |
| C48-49 | Soft tissues | 82 | 4 | 8 | 9 | 4 | 4 | 5 | |
| C50 | Breast | 3194 | 193 | 364 | 405 | 130 | 128 | 178 | |
| C51-58 | Female genital organs | 1663 | 110 | 180 | 190 | 75 | 84 | 98 | |
| C53 | Cervix uteri | 324 | 21 | 36 | 48 | 14 | 14 | 16 | |
| C54 | Corpus uteri | 735 | 47 | 75 | 74 | 37 | 39 | 47 | |
| C55 | Uterus, other | 8 | 1 | 1 | 1 | 0 | 0 | 1 | |
| C56, C57.0-4 | Ovary etc. | 480 | 34 | 56 | 55 | 18 | 25 | 26 | |
| C51-52, C57.7-9 | Other female genital | 113 | 7 | 11 | 12 | 6 | 5 | 8 | |
| C58 | Placenta | 3 | 0 | 0 | 0 | 0 | 0 | 0 | |
| C64-68 | Urinary organs | 687 | 41 | 63 | 67 | 31 | 34 | 39 | |
| C64 | Kidney excl. renal pelvis | 257 | 15 | 27 | 23 | 10 | 13 | 17 | |
| C65-68 | Urinary tract (renal pelvis, ureters, urinary bladder, and urethra) | 430 | 26 | 36 | 45 | 20 | 21 | 22 | |
| C69 | Eye | 39 | 3 | 2 | 5 | 2 | 1 | 2 | |
| C70-72, D32-33 | Central nervous system | 552 | 30 | 56 | 49 | 24 | 24 | 34 | |
| C73 | Thyroid gland | 241 | 10 | 23 | 42 | 8 | 7 | 11 | |
| C37, C74-75 | Other endocrine glands | 121 | 6 | 14 | 16 | 4 | 4 | 7 | |
| C39, C76, C80 | Other or unspecified | 167 | 10 | 15 | 19 | 8 | 8 | 9 | |
| C81-96 | Lymphoid and haematopoietic tissue | 1192 | 65 | 137 | 129 | 54 | 52 | 73 | |
| C81 | Hodgkin lymphoma | 62 | 4 | 7 | 8 | 3 | 1 | 5 | |
| C82-86, C96 | Non-Hodgkin lymphoma | 444 | 26 | 48 | 46 | 20 | 19 | 23 | |
| C88 | Malignant immunoproliferative diseases | 28 | 1 | 3 | 3 | 2 | 1 | 2 | |
| C90 | Multiple myeloma | 177 | 9 | 21 | 18 | 11 | 9 | 13 | |
| C91-95, D45-47 | Leukaemia | 481 | 25 | 57 | 54 | 19 | 21 | 31 | |
| | | | | | | | | | |

| | | | | | | | | | | | FE | MALES |
|--------|--------------|------------|------------|----------|-----------|---------------------|--------------------|-------------------|--------------------|----------|-------|----------|
| *55100 | Telemark | Aust-Agder | Vest-Agder | Rogaland | Hordaland | Sogn og Fjordane | Møre og Romsdal | Sør- Trøndelag | Nord- Trøndelag | Nordland | Troms | Finnmark |
| 76 | | | 524 | 1190 | 1404 | 311 | 714 | 820 | 387 | 705 | 435 | 191 |
| | 2 8 | | 5 | 18 | 17 | 5 | 10 | 10 | 4 | 12 | 7 | 2 |
| | 3 1 | | 2 | 7 | 5 | 2 | 2 | 3 | 0 | 2 | 1 | 0 |
| | 4 2 | | 1 | 4 | 3 | 1 | 2 | 2 | 1 | 4 | 2 | 1 |
| | 2 2 | | 1 | 2 | 4 | 0 | 3 | 2 | 0 | 2 | 1 | 0 |
| | 1 1 3 2 | | 1 | 2 | 3 | 0 | 1 2 | 1 | 1 | 3 | 1 2 | 0 |
| 14 | | | 107 | 244 | 306 | 80 | 177 | 176 | 89 | 161 | 101 | 40 |
| | 6 3 | | 107 | 5 | 6 | 1 | 2 | 4 | 2 | 5 | 2 | 1 |
| | 8 6 | | 5 | 15 | 22 | 6 | 13 | 11 | 5 | 11 | 8 | 3 |
| | 2 3 | | 2 | 3 | 7 | 2 | 3 | 6 | 2 | 3 | 2 | 1 |
| | 5 47 | | 53 | 125 | 156 | 39 | 90 | 81 | 42 | 80 | 46 | 18 |
| | 2 20 | | 21 | 42 | 57 | 14 | 31 | 30 | 16 | 29 | 15 | 6 |
| | 1 1 | 1 | 1 | 5 | 5 | 1 | 3 | 3 | 2 | 2 | 2 | 1 |
| | 4 3 | 2 | 2 | 5 | 7 | 1 | 4 | 8 | 3 | 4 | 5 | 2 |
| | 4 4 | 1 | 3 | 8 | 8 | 3 | 4 | 6 | 4 | 4 | 2 | 1 |
| 2 | .0 15 | 9 | 15 | 30 | 32 | 10 | 23 | 24 | 10 | 20 | 18 | 6 |
| | 4 4 | 3 | 3 | 6 | 6 | 2 | 3 | 4 | 3 | 3 | 2 | 1 |
| 8 | 5 54 | 39 | 60 | 111 | 131 | 24 | 67 | 78 | 36 | 71 | 43 | 25 |
| | 2 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 |
| | 1 1 | | 1 | 2 | 3 | 0 | 1 | 2 | 0 | 1 | 1 | 1 |
| | 2 52 | | 58 | 107 | 127 | 23 | 65 | 75 | 35 | 69 | 41 | 24 |
| | 0 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | 1 1 | | 1 | 2 | 3 | 0 | 1 | 1 | 1 | 2 | 0 | 0 |
| | 8 36 1 40 | | 34 | 95 80 | 92 90 | 18 17 | 32 33 | 60 | 23 17 | 28 33 | 19 | 6 8 |
| | 1 0 | | 60 | 1 | 1 | 0 | 0 | 34 | 0 | 1 | 20 | 0 |
| | 0 0 | | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 4 3 | | | 5 | 5 | 2 | 3 | 7 | 3 | 4 | 5 | 1 |
| 15 | | | | 269 | 298 | 64 | 164 | 185 | 89 | 143 | 89 | 39 |
| | 2 64 | | 50 | 128 | 163 | 32 | 76 | 95 | 43 | 82 | 51 | 21 |
| | 9 12 | | | 19 | 33 | 7 | 16 | 17 | 7 | 16 | 10 | 5 |
| 3 | 3 27 | 17 | 25 | 59 | 74 | 13 | 34 | 44 | 22 | 35 | 24 | 8 |
| | 0 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 2 | 3 20 | 11 | 15 | 42 | 45 | 9 | 21 | 27 | 10 | 23 | 13 | 6 |
| | 7 5 | 3 | 3 | 7 | 11 | 2 | 6 | 6 | 3 | 8 | 4 | 1 |
| | 0 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 9 23 | | 21 | 48 | 67 | 15 | 41 | 41 | 18 | 44 | 28 | 12 |
| 1 | 2 9 | 6 | 8 | 15 | 23 | 6 | 15 | 17 | 8 | 16 | 11 | 5 |
| 2 | 7 14 | 9 | 13 | 32 | 43 | 9 | 26 | 24 | 10 | 27 | 17 | 8 |
| | 2 0 | 1 | 1 | 4 | 5 | 0 | 1 | 3 | 0 | 2 | 2 | 1 |
| 3 | 5 19 | 12 | 17 | 53 | 59 | 13 | 22 | 29 | 18 | 31 | 19 | 8 |
| 1 | 1 11 | 3 | 9 | 12 | 23 | 5 | 12 | 19 | 3 | 15 | 12 | 3 |
| | 9 3 | 2 | 4 | 6 | 18 | 5 | 3 | 6 | 4 | 5 | 2 | 1 |
| | 7 8 | | | 13 | 14 | 4 | 10 | 8 | 6 | 11 | 4 | 4 |
| | 9 47 | | 39 | 101 | 111 | 26 | 62 | 69 | 34 | 61 | 30 | 17 |
| | 2 3 | | | 5 | 5 | 1 | 4 | 4 | 1 | 2 | 2 | 1 |
| | 0 16 | | | 34 | 43 | 9 | 24 | 28 | 13 | 28 | 13 | 8 |
| | 1 0 | | | 2 | 4 | 1 | 1 | 2 | 1 | 1 | 0 | 0 |
| | 9 7 | | | 12 | 13 | 5 | 10 | 10 | 7 | 8 | 4 | 2 |
| 2 | 7 21 | 11 | 16 | 47 | 45 | 11 | 22 | 25 | 12 | 21 | 10 | 5 |

 Table 17a
 Age-standardised (Norwegian standard) incidence rates per 100 000 person-years by primary site and county, 2011-2015

| ICD10 | Site | Norway | Østfold | Akershus | 0slo | Hedmark | Oppland | Buskerud | |
|----------------|---|--------|---------|----------|-------|---------|---------|----------|--|
| C00-96 | All sites | 730.3 | 776.2 | 727.7 | 674.8 | 676.3 | 670.3 | 748.1 | |
| C00-14 | Mouth, pharynx | 15.3 | 15.7 | 13.7 | 18.2 | 13.5 | 14.8 | 16.5 | |
| C00 | Lip | 3.2 | 3.7 | 2.4 | 2.2 | 2.8 | 3.5 | 4.0 | |
| C01-02 | Tongue | 3.2 | 2.6 | 3.7 | 4.0 | 2.2 | 2.5 | 3.0 | |
| C03-06 | Mouth, other | 2.3 | 2.1 | 2.4 | 2.8 | 1.8 | 2.8 | 2.2 | |
| C07-08 | Salivary glands | 1.4 | 1.6 | 0.8 | 1.7 | 1.5 | 1.2 | 0.8 | |
| C09-14 | Pharynx | 5.2 | 5.7 | 4.4 | 7.4 | 5.3 | 4.9 | 6.5 | |
| C15-26 | Digestive organs | 147.4 | 149.6 | 144.6 | 140.2 | 137.4 | 134.0 | 144.8 | |
| C15 | Oesophagus | 8.5 | 8.4 | 7.9 | 7.0 | 9.9 | 10.4 | 7.9 | |
| C16 | Stomach | 13.2 | 12.3 | 9.4 | 11.6 | 11.3 | 11.4 | 13.3 | |
| C17 | Small intestine | 4.0 | 3.7 | 4.2 | 2.4 | 4.0 | 2.8 | 3.1 | |
| C18 | Colon | 58.7 | 62.8 | 58.9 | 53.2 | 51.3 | 53.9 | 59.0 | |
| C19-20 | Rectum, rectosigmoid | 32.9 | 34.8 | 33.9 | 30.7 | 31.0 | 29.4 | 31.5 | |
| C21 | Anus | 0.9 | 1.4 | 0.9 | 1.4 | 0.9 | 0.8 | 0.7 | |
| C21 | Liver | 6.5 | 5.9 | 7.0 | 9.7 | 7.6 | 4.1 | 5.5 | |
| C23-24 | Gallbladder, bile ducts | 3.4 | 4.1 | 3.7 | 3.8 | 3.7 | 4.3 | 3.2 | |
| C25 Z-4 | Pancreas | 16.4 | 12.8 | 15.7 | 16.8 | 15.4 | 14.8 | 17.7 | |
| C26 | Other digestive organs | 2.7 | 3.5 | 3.0 | 3.7 | 2.3 | 2.1 | 2.8 | |
| C30-34, C38 | Respiratory organs | 75.8 | 82.1 | 63.8 | 61.6 | 74.2 | 74.0 | 70.6 | |
| C30-31 | Nose, sinuses | 1.1 | 0.2 | 0.7 | 0.8 | 1.5 | 1.5 | 1.2 | |
| C32 | Larynx, epiglottis | 4.3 | 3.7 | 3.5 | 4.7 | 4.8 | 4.4 | 4.1 | |
| C33-34 | Lung, trachea | 70.0 | 78.0 | 59.0 | 56.0 | 67.4 | 67.6 | 65.1 | |
| C38 | Heart, mediastinum and pleura | 0.4 | 0.3 | 0.5 | 0.0 | 0.6 | 0.5 | 0.2 | |
| C40-41 | Bone | 1.1 | 1.8 | 0.9 | 0.9 | 1.6 | 1.3 | 0.1 | |
| C43 | Melanoma of the skin | 39.5 | 39.8 | 46.5 | 41.6 | 37.4 | 31.0 | 44.5 | |
| C44 | Skin, non-melanoma | 44.6 | 49.8 | 44.3 | 39.1 | 31.3 | 29.5 | 55.4 | |
| C45 | Mesothelioma | 2.9 | 2.3 | 2.7 | 4.1 | 2.8 | 2.8 | 3.5 | |
| C47 | Autonomic nervous system | 0.2 | 0.0 | 0.2 | 0.1 | 0.2 | 0.0 | 0.9 | |
| C48-49 | Soft tissues | 2.9 | 2.0 | 2.8 | 3.2 | 3.5 | 3.7 | 3.1 | |
| C50 | Breast | 1.2 | 1.2 | 1.5 | 1.3 | 1.4 | 0.8 | 0.6 | |
| C60-63 | Male genital organs | 225.3 | 270.0 | 231.0 | 195.4 | 202.3 | 215.5 | 226.1 | |
| C61 | Prostate | 211.2 | 255.2 | 218.7 | 181.7 | 189.1 | 202.1 | 215.4 | |
| C62 | Testis | 12.0 | 12.8 | 10.5 | 10.8 | 12.0 | 11.8 | 8.7 | |
| C60, C63 | Other male genital | 2.1 | 1.9 | 1.8 | 2.9 | 1.2 | 1.6 | 1.9 | |
| C64-68 | Urinary organs | 73.1 | 72.5 | 73.1 | 66.4 | 70.9 | 64.6 | 77.8 | |
| C64 | Kidney excl. renal pelvis | 22.7 | 21.3 | 21.8 | 20.9 | 23.1 | 23.1 | 26.5 | |
| C65-68 | Urinary tract (renal pelvis, ureters, urinary bladder, and urethra) | 50.4 | 51.2 | 51.2 | 45.4 | 47.8 | 41.6 | 51.3 | |
| C69 | Eye | 1.5 | 2.5 | 1.1 | 1.6 | 1.6 | 1.2 | 1.2 | |
| C70-72, D32-33 | Central nervous system | 20.0 | 19.1 | 19.5 | 18.7 | 18.9 | 19.3 | 21.4 | |
| C73 | Thyroid gland | 4.0 | 3.8 | 3.8 | 4.7 | 3.6 | 2.7 | 4.9 | |
| C37, C74-75 | Other endocrine glands | 4.8 | 4.9 | 5.0 | 5.2 | 3.4 | 4.6 | 3.8 | |
| C39, C76, C80 | Other or unspecified | 6.9 | 6.7 | 5.3 | 6.1 | 6.4 | 7.3 | 8.5 | |
| C81-96 | Lymphoid and haematopoietic tissue | 63.9 | 52.2 | 68.1 | 66.5 | 65.8 | 63.0 | 64.2 | |
| C81 | Hodgkin lymphoma | 3.3 | 2.5 | 2.9 | 3.2 | 5.8 | 3.5 | 3.0 | |
| C82-86, C96 | Non-Hodgkin lymphoma | 23.1 | 20.4 | 22.3 | 22.3 | 23.4 | 24.7 | 19.5 | |
| C88 | Malignant immunoproliferative diseases | 1.7 | 0.6 | 2.9 | 1.7 | 0.7 | 0.8 | 2.7 | |
| C90 | Multiple myeloma | 9.7 | 6.4 | 10.2 | 10.5 | 12.5 | 10.3 | 9.1 | |
| C91-95, D45-47 | Leukaemia | 26.1 | 22.3 | 29.8 | 28.9 | 23.4 | 23.7 | 29.9 | |

| | | | | | | | | | | | I | MALES |
|----------|--------------------|-------------|--------------------|-------------|--------------------|---------------------|--------------------|--------------------|--------------------|--------------|--------------------|--------------------|
| Vestfold | Telemark | Aust-Agder | Vest-Agder | Rogaland | Hordaland | Sogn og Fjordane | Møre og Romsdal | Sør- Trøndelag | Nord- Trøndelag | Nordland | Troms | Finnmark |
| 824.3 | 731.8 | 795.5 | 725.7 | 792.1 | 772.3 | 714.2 | 743.1 | 695.1 | 704.7 | 669.4 | 718.6 | 650.2 |
| 18.7 | 17.5 | 12.7 | 14.3 | 15.2 | 15.7 | 13.2 | 15.0 | 15.9 | 8.9 | 15.4 | 14.2 | 12.9 |
| 2.9 | 3.4 | 3.5 | 3.6 | 4.7 | 3.2 | 2.8 | 4.2 | 2.9 | 2.2 | 3.4 | 2.1 | 0.5 |
| 4.7 | 2.6 | 1.4 | 2.6 | 3.2 | 3.7 | 2.7 | 2.9 | 4.1 | 1.4 | 3.1 | 2.9 | 5.6 |
| 3.2 | 1.8 | 3.0 | 1.5 | 2.7 | 3.2 | 1.8 | 1.4 | 1.8 | 0.8 | 2.3 | 1.3 | 2.1 |
| 1.3 | 2.4 | 0.6 | 1.0 | 0.9 | 1.4 | 0.7 | 2.3 | 1.4 | 1.7 | 2.1 | 1.0 | 0.0 |
| 6.6 | 7.2 | 4.2 | 5.6 | 3.7 | 4.3 | 5.2 | 4.1 | 5.7 | 2.7 | 4.5 | 6.9 | 4.8 |
| 153.8 | 132.8 | 144.3 | 134.7 | 152.7 | 157.6 | 156.4 | 149.5 | 153.5 | 152.2 | 156.7 | 152.9 | 132.8 |
| 9.3 | 8.1 | 7.2 | 7.9 | 9.0 | 10.0 | 10.8 | 8.0 | 6.8 | 7.1 | 10.7 | 9.0 | 8.2 |
| 11.3 | 13.1 | 13.7 | 11.1 | 14.2 | 15.3 | 15.7 | 13.7 | 15.0 | 14.2 | 17.5 | 16.4 | 17.1 |
| 4.3 | 3.0 | 2.3 | 5.7 | 6.2 | 5.5 | 3.5 | 2.8 | 5.8 | 5.3 | 2.6 | 3.8 | 3.0 |
| 60.7 | 51.1 | 54.7 | 54.7 | 61.7 | 62.4 | 59.5 | 63.4 | 62.5 | 65.6 | 62.3 | 55.8 | 43.5 |
| 36.4 | 27.4 | 32.8 | 29.2 | 33.5 | 36.3 | 38.0 | 34.7 | 32.0 | 33.7 | 30.2 | 37.2 | 26.8 |
| 0.7 | 1.2 | 0.4 | 0.5 | 0.7 | 0.9 | 0.4 | 0.6 | 1.5 | 1.1 | 0.4 | 0.5 | 2.4 |
| 6.4 | 6.8 | 4.3 | 4.0 | 6.3 | 5.3 | 6.0 | 5.2 | 7.0 | 5.3 | 7.0 | 8.8 | 6.3 |
| 2.7 | 3.0 | 5.0 | 2.7 | 2.2 | 2.6 | 3.2 | 3.4 | 4.7 | 3.4 | 3.0 | 3.7 | 1.9 |
| 17.5 | 17.3 | 21.0 | 15.7 | 16.6 | 17.2 | 16.8 | 14.7 | 16.4 | 15.2 | 19.2 | 16.4 | 20.9 |
| 90.1 | 1.6 75.4 | 2.9 | 3.1 84.6 | 2.3 88.0 | 2.1 78.8 | 2.6 72.1 | 3.0 | 1.8 69.2 | 1.5 78.5 | 3.7 | 1.4 81.3 | 2.6 97.7 |
| 1.7 | 1.7 | 87.8 0.4 | 0.2 | 1.5 | 1.3 | 1.4 | 75.0 1.2 | 0.7 | 2.0 | 77. 9 | 1.8 | 1.0 |
| 4.2 | 3.9 | 3.2 | 2.9 | 6.0 | 4.2 | 2.7 | 6.1 | 3.1 | 5.3 | 4.8 | 4.3 | 2.4 |
| 83.5 | 68.7 | 84.2 | 81.0 | 80.2 | 73.1 | 68.0 | 66.9 | 65.4 | 71.2 | 70.9 | 74.7 | 93.1 |
| 0.7 | 1.2 | 0.0 | 0.5 | 0.4 | 0.3 | 0.0 | 0.6 | 0.0 | 0.0 | 0.5 | 0.5 | 1.1 |
| 1.2 | 1.0 | 0.9 | 0.5 | 0.7 | 1.7 | 1.0 | 1.2 | 1.6 | 0.9 | 1.6 | 1.2 | 1.5 |
| 59.1 | 42.1 | 46.6 | 41.2 | 47.6 | 41.1 | 28.6 | 23.4 | 40.0 | 39.5 | 22.2 | 28.3 | 15.5 |
| 56.8 | 59.4 | 68.7 | 71.5 | 51.0 | 52.3 | 40.0 | 30.1 | 35.8 | 35.9 | 33.6 | 35.1 | 28.1 |
| 4.8 | 2.6 | 2.8 | 3.7 | 3.1 | 4.4 | 2.2 | 2.6 | 1.6 | 1.1 | 1.5 | 1.5 | 1.7 |
| 0.2 | 0.6 | 0.3 | 0.7 | 0.2 | 0.2 | 0.0 | 0.3 | 0.0 | 0.0 | 0.3 | 0.2 | 0.0 |
| 3.5 | 2.5 | 4.2 | 2.7 | 2.3 | 2.7 | 1.8 | 2.2 | 2.7 | 4.4 | 3.4 | 4.0 | 1.7 |
| 1.6 | 2.7 | 0.7 | 1.6 | 1.4 | 1.6 | 0.8 | 0.7 | 1.1 | 0.3 | 0.9 | 0.7 | 0.5 |
| 242.5 | 225.0 | 245.9 | 202.9 | 249.1 | 238.6 | 223.3 | 269.1 | 208.5 | 207.1 | 174.6 | 221.2 | 192.0 |
| 226.8 | 212.0 | 233.1 | 187.9 | 234.5 | 223.5 | 208.4 | 253.8 | 193.5 | 192.4 | 158.7 | 207.0 | 173.0 |
| 12.5 | 10.2 | 11.1 | 13.2 | 13.3 | 12.6 | 13.5 | 13.9 | 13.4 | 11.4 | 12.3 | 12.5 | 16.8 |
| 3.3 | 2.8 | 1.7 | 1.8 | 1.3 | 2.6 | 1.4 | 1.4 | 1.5 | 3.3 | 3.5 | 1.7 | 2.2 |
| 86.5 | 70.8 | 71.8 | 71.0 | 66.4 | 74.5 | 69.6 | 81.4 | 67.3 | 72.0 | 83.5 | 87.0 | 70.1 |
| 25.6 | 23.7 | 21.4 | 26.9 | 21.1 | 21.3 | 24.6 | 24.0 | 25.0 | 25.3 | 20.6 | 20.9 | 23.4 |
| 61.0 | 47.2 | 50.4 | 44.0 | 45.3 | 53.2 | 45.0 | 57.4 | 42.3 | 46.7 | 62.9 | 66.1 | 46.7 |
| 1.4 | 1.4 | 1.4 | 1.0 | 2.3 | 0.8 | 1.7 | 1.0 | 1.6 | 2.1 | 1.5 | 2.2 | 2.2 |
| 21.7 | 23.3 | 20.1 | 19.7 | 24.2 | 19.4 | 19.4 | 15.4 | 20.7 | 23.4 | 18.3 | 17.4 | 20.6 |
| 2.8 | 3.8 | 2.1 | 4.3 | 3.0 | 4.3 | 4.0 | 5.1 | 3.1 | 4.1 | 4.1 | 5.4 | 7.2 |
| 3.9 | 6.4 | 5.2 | 5.8 | 4.8 | 6.6 | 7.4 | 1.8 | 5.1 | 4.6 | 4.6 | 4.6 | 2.0 |
| 6.5 | 6.2 | 9.4 | 6.9 | 5.5 | 8.5 | 6.2 | 6.9 | 7.5 | 6.3 | 7.7 | 7.4 | 10.9 |
| 69.1 | 58.5 | 70.6 | 58.9 | 74.7 | 63.6 | 66.7 | 62.4 | 59.9 | 63.4 | 61.4 | 53.9 | 52.9 |
| 3.2 | 1.9 | 3.0 | 3.3 | 3.0 | 3.4 | 1.7 | 4.9 | 3.3 | 3.3 | 3.9 | 4.6 | 3.6 |
| 22.9 | 20.9 | 26.8 | 20.0 | 27.3 | 21.7 | 23.4 | 28.8 | 23.0 | 23.3 | 24.2 | 22.5 | 19.6 |
| 2.8 | 0.9 | 1.2 | 0.8 | 1.4 | 2.4 | 2.1 | 1.6 | 1.8 | 0.6 | 1.3 | 1.0 | 1.1 |
| 10.7 | 9.1 | 9.3 | 6.1 | 10.5 | 9.8 | 14.0 | 8.6 | 8.7 | 9.3 | 12.0 | 5.9 | 8.6 |
| 29.4 | 25.5 | 30.3 | 28.7 | 32.5 | 26.3 | 25.5 | 18.6 | 23.2 | 26.9 | 19.9 | 20.0 | 19.9 |
| | | | | | | | | | | | | |

 Table 17b
 Age-standardised (Norwegian standard) incidence rates per 100 000 person-years by primary site and county, 2011-2015

| ICD10 | Site | Norway | Østfold | Akershus | 0slo | Hedmark | Oppland | Buskerud | |
|---------------------------------------|--|--------|---------|----------|-------|---------|---------|-------------|--|
| C00-96 | All sites | 537.1 | 547.8 | 540.4 | 552.1 | 503.1 | 515.2 | 555.9 | |
| C00-14 | Mouth, pharynx | 7.5 | 6.8 | 7.6 | 9.5 | 8.5 | 6.9 | 5.5 | |
| C00 | Lip | 1.7 | 1.9 | 1.7 | 1.2 | 2.3 | 1.3 | 1.3 | |
| C01-02 | Tongue | 1.7 | 1.5 | 1.9 | 2.3 | 1.8 | 1.1 | 0.9 | |
| C03-06 | Mouth, other | 1.5 | 1.4 | 1.8 | 2.0 | 1.7 | 1.6 | 1.6 | |
| C07-08 | Salivary glands | 1.0 | 0.9 | 1.1 | 1.2 | 1.5 | 1.7 | 0.3 | |
| C09-14 | Pharynx | 1.7 | 1.1 | 1.3 | 2.9 | 1.2 | 1.2 | 1.5 | |
| C15-26 | Digestive organs | 109.5 | 114.0 | 111.4 | 101.2 | 101.3 | 99.4 | 110.1 | |
| C15 | Oesophagus | 2.5 | 2.0 | 2.2 | 3.6 | 2.9 | 3.6 | 2.1 | |
| C16 | Stomach | 6.4 | 5.5 | 4.9 | 5.7 | 5.1 | 5.7 | 6.1 | |
| C17 | Small intestine | 2.4 | 2.7 | 2.1 | 2.2 | 3.5 | 2.3 | 2.2 | |
| C18 | Colon | 52.5 | 57.7 | 51.5 | 46.5 | 44.8 | 43.8 | 56.7 | |
| C19-20 | Rectum, rectosigmoid | 20.3 | 21.3 | 22.2 | 17.6 | 19.1 | 21.7 | 19.2 | |
| C21 | Anus | 2.0 | 1.4 | 2.8 | 2.1 | 1.8 | 1.8 | 2.3 | |
| C21 | Liver | 3.1 | 2.8 | 3.4 | 3.6 | 4.1 | 2.0 | 1.9 | |
| C23-24 | Gallbladder, bile ducts | 3.5 | 2.2 | 3.9 | 3.6 | 3.4 | 5.2 | 4.4 | |
| C25 | Pancreas | 14.1 | 15.0 | 16.0 | 13.2 | 13.4 | 11.1 | 12.2 | |
| C26 | Other digestive organs | 2.8 | 3.5 | 2.5 | 3.2 | 3.1 | 2.3 | 3.0 | |
| C30-34, C38 | Respiratory organs | 52.8 | 63.5 | 52.9 | 49.5 | 52.8 | 47.5 | 48.5 | |
| C30-34, C38 | Nose, sinuses | 0.7 | 0.5 | 0.9 | 0.7 | 0.6 | 1.6 | 1.3 | |
| C32 | Larynx, epiglottis | 0.7 | 1.1 | 0.9 | 0.7 | 0.0 | 0.4 | 0.4 | |
| C32-34 | Lung, trachea | 51.1 | 61.7 | 51.6 | 48.1 | 51.4 | 45.1 | 46.8 | |
| C38 | Heart, mediastinum and pleura | 0.2 | 0.3 | 0.1 | 0.1 | 0.1 | 0.4 | 0.0 | |
| C40-41 | Bone | 0.2 | 0.3 | 0.1 | 1.0 | 1.0 | 0.4 | 0.0 | |
| C43 | Melanoma of the skin | 35.5 | 34.1 | 40.0 | 35.7 | 28.9 | 32.8 | 37.4 | |
| C44 | Skin, non-melanoma | 28.2 | 29.2 | 27.1 | 23.9 | 20.2 | 16.3 | 40.2 | |
| C45 | Mesothelioma | 0.5 | 0.5 | 0.6 | 0.5 | 0.3 | 0.6 | 0.8 | |
| C47 | Autonomic nervous system | 0.5 | 0.5 | 0.8 | 0.5 | 0.0 | 0.0 | 0.3 | |
| C48-49 | Soft tissues | 3.1 | 2.8 | 3.0 | 3.3 | 3.6 | 3.5 | 3.7 | |
| C50 | Breast | 123.3 | 123.6 | 125.9 | 147.3 | 112.3 | 117.4 | 122.8 | |
| | Female genital organs | 63.5 | 70.2 | 62.9 | 66.4 | 64.7 | 76.4 | 66.8 | |
| C51-58 C53 | Cervix uteri | 12.8 | 14.7 | 12.6 | 14.8 | 14.4 | 14.8 | 11.9 | |
| | | | | | | | | | |
| C54 | Corpus uteri | 27.9 | 29.1 | 26.2 | 27.6 | 30.6 | 33.4 | 31.8 | |
| C55 | Uterus, other | 0.3 | 0.5 | 0.5 | 0.2 | 0.3 | 0.3 | 0.5 | |
| C56, C57.0-4 C51-52, C57.7-9 | Ovary etc. | 18.3 | 21.8 | 19.7 | 19.8 | 14.9 | 23.0 | 17.6 4.9 | |
| · · · · · · · · · · · · · · · · · · · | Other female genital | 4.1 | 4.1 | 3.9 | 4.0 | 4.5 | 4.4 | | |
| C58 | Placenta | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.5 | 0.1 25.8 | |
| C64-68 | Urinary organs Kidney excl. renal pelvis | 25.2 | 24.9 | 22.0 | 23.8 | 24.5 | 28.1 | | |
| | Urinary tract (renal pelvis, ureters, uri- | 9.7 | 9.4 | 9.6 | 8.1 | 8.6 | 11.1 | 11.4 | |
| C65-68 | nary bladder, and urethra) | 15.5 | 15.5 | 12.5 | 15.7 | 15.9 | 17.0 | 14.4 | |
| C 69 | Eye | 1.5 | 1.7 | 0.8 | 1.9 | 1.7 | 1.0 | 1.5 | |
| C70-72, D32-33 | Central nervous system | 21.3 | 19.5 | 19.5 | 17.1 | 21.0 | 22.6 | 23.6 | |
| C73 | Thyroid gland | 9.5 | 7.0 | 7.9 | 14.3 | 7.7 | 7.5 | 8.3 | |
| C37, C74-75 | Other endocrine glands | 4.8 | 4.3 | 5.2 | 5.1 | 4.2 | 3.7 | 5.2 | |
| C39, C76, C80 | Other or unspecified | 5.7 | 5.5 | 5.0 | 6.3 | 5.9 | 6.4 | 5.8 | |
| C81-96 | Lymphoid and haematopoietic tissue | 44.3 | 39.6 | 47.5 | 45.1 | 44.6 | 44.2 | 49.3 | |
| C81 | Hodgkin lymphoma | 2.5 | 2.7 | 2.6 | 2.6 | 2.8 | 1.3 | 3.9 | |
| C82-86, C96 | Non-Hodgkin lymphoma | 16.6 | 15.6 | 16.6 | 16.1 | 17.0 | 16.4 | 15.3 | |
| C88 | Malignant immunoproliferative diseases | 1.0 | 0.7 | 1.2 | 1.2 | 1.4 | 0.6 | 1.6 | |
| C90 | Multiple myeloma | 6.5 | 5.3 | 7.3 | 6.4 | 8.2 | 7.6 | 8.1 | |
| | Leukaemia | 17.7 | 15.3 | 19.9 | 18.8 | 15.2 | 18.2 | | |

| | | | | | | | | | | | FE <i>N</i> | MALES |
|-------------|-------------|-------------|-------------|-------------------|--------------------|---------------------|--------------------|---------------------|---------------------|-------------|---------------------|--------------|
| Vestfold | Telemark | Aust-Agder | Vest-Agder | Rogaland | Hordaland | Sogn og Fjordane | Møre og Romsdal | Sør-Trøn- delag | Nord-Trøn- delag | Nordland | Troms | Finnmark |
| 554.9 | 531.3 | 561.6 | 570.7 | 571.3 | 551.3 | 506.9 | 489.0 | 531.6 | 505.0 | 508.6 | 514.0 | 500.7 |
| 8.7 | 7.8 | 8.1 | 6.0 | 8.7 | 6.7 | 7.4 | 6.8 | 6.3 | 5.5 | 8.8 | 8.5 | 6.2 |
| 1.8 | 0.8 | 2.2 | 1.9 | 3.4 | 1.8 | 3.3 | 1.5 | 1.5 | 0.4 | 1.4 | 1.1 | 0.5 |
| 2.8 | 2.2 | 1.8 | 0.9 | 1.7 | 1.3 | 2.0 | 1.3 | 1.1 | 1.3 | 2.5 | 2.1 | 2.1 |
| 1.3 | 2.4 | 1.9 | 1.1 | 0.9 | 1.4 | 0.6 | 1.5 | 1.2 | 0.5 | 1.2 | 1.7 | 0.5 |
| 0.7 | 0.8 | 0.4 | 0.6 | 1.1 | 1.1 | 0.3 | 0.9 | 0.5 | 1.3 | 1.2 | 1.7 | 1.0 |
| 2.1 | 1.8 97.6 | 1.7 98.4 | 1.4 | 1.6 116.7 | 1.2 | 1.3 123.1 | 1.5 | 1.9 110.9 | 2.0 109.9 | 2.5 | 1.9 115.8 | 2.1 103.7 |
| 3.9 | 2.9 | 1.6 | 0.7 | 2.2 | 2.1 | 2.1 | 1.4 | 2.3 | 2.1 | 3.2 | 2.1 | 3.1 |
| 5.6 | 5.2 | 3.0 | 4.8 | 7.0 | 8.3 | 10.4 | 8.8 | 7.0 | 6.6 | 7.5 | 8.7 | 8.2 |
| 1.1 | 2.3 | 2.5 | 2.7 | 1.6 | 2.7 | 3.9 | 2.2 | 3.8 | 3.1 | 2.1 | 1.8 | 3.0 |
| 45.0 | 42.8 | 51.6 | 56.5 | 59.2 | 58.7 | 59.8 | 57.6 | 51.0 | 51.0 | 54.1 | 52.7 | 46.4 |
| 23.0 | 18.8 | 14.6 | 22.3 | 20.4 | 22.3 | 22.1 | 20.5 | 19.0 | 21.0 | 20.9 | 17.0 | 14.7 |
| 1.0 | 1.1 | 2.4 | 1.5 | 2.4 | 1.9 | 1.9 | 1.7 | 1.8 | 2.3 | 1.7 | 2.3 | 3.7 |
| 3.1 | 2.5 | 2.9 | 2.0 | 2.3 | 2.7 | 1.7 | 2.8 | 4.8 | 3.5 | 2.7 | 5.3 | 5.5 |
| 2.7 | 3.6 | 1.5 | 3.6 | 4.0 | 3.2 | 3.9 | 2.7 | 3.9 | 4.7 | 2.7 | 2.5 | 1.5 |
| 13.8 | 14.6 | 14.3 | 16.5 | 14.7 | 12.1 | 13.8 | 15.2 | 14.9 | 11.9 | 13.2 | 20.7 | 16.0 |
| 3.1 | 3.7 | 3.9 | 3.1 | 2.7 | 2.1 | 3.6 | 1.6 | 2.4 | 3.7 | 2.0 | 2.6 | 1.5 |
| 61.3 | 52.5 | 64.4 | 65.8 | 54.7 | 52.0 | 39.7 | 45.7 | 50.9 | 45.2 | 50.1 | 49.8 | 65.9 |
| 1.2 | 0.9 | 0.4 | 1.1 | 0.6 | 0.3 | 0.7 | 0.5 | 0.8 | 0.8 | 0.6 | 0.7 | 0.0 |
| 0.9 | 0.6 | 0.7 | 0.7 | 1.0 | 1.1 | 0.8 | 0.9 | 1.0 | 0.0 | 0.4 | 1.0 | 1.6 |
| 59.1 | 50.8 | 63.0 | 63.8 | 52.9 | 50.5 | 37.9 | 44.1 | 49.0 | 44.5 | 48.5 | 48.1 | 62.8 |
| 0.1 | 0.2 | 0.3 1.7 | 0.2 | 0.2 0.9 | 0.1 1.1 | 0.2 | 0.3 1.2 | 0.1 | 0.0 | 0.6 1.4 | 0.0 | 0.0 |
| 51.7 | 36.9 | 40.1 | 37.4 | 45.3 | 37.0 | 31.4 | 22.1 | 40.0 | 32.6 | 20.8 | 23.3 | 16.4 |
| 26.8 | 34.3 | 50.9 | 60.0 | 36.7 | 31.5 | 23.9 | 19.5 | 20.7 | 18.9 | 20.7 | 22.6 | 21.1 |
| 0.4 | 0.3 | 0.3 | 0.2 | 0.4 | 0.4 | 0.6 | 0.1 | 0.5 | 0.0 | 0.6 | 1.1 | 0.5 |
| 0.2 | 0.3 | 0.0 | 0.0 | 0.2 | 0.3 | 0.3 | 0.3 | 0.1 | 0.3 | 0.0 | 0.0 | 0.5 |
| 3.1 | 2.9 | 2.8 | 3.3 | 2.7 | 2.1 | 2.6 | 2.2 | 4.3 | 3.9 | 3.1 | 5.5 | 3.2 |
| 118.3 | 121.1 | 125.3 | 122.7 | 129.9 | 122.0 | 109.8 | 119.0 | 122.6 | 121.9 | 108.4 | 107.4 | 104.3 |
| 61.7 | 66.6 | 65.7 | 55.8 | 62.2 | 65.8 | 55.0 | 54.4 | 62.1 | 57.1 | 61.8 | 61.3 | 54.5 |
| 15.5 | 14.3 | 12.5 | 9.5 | 8.7 | 13.5 | 13.4 | 12.2 | 11.4 | 10.0 | 13.9 | 12.5 | 13.0 |
| 23.8 | 26.8 | 28.7 | 27.2 | 29.3 | 29.6 | 22.6 | 23.6 | 29.1 | 29.3 | 25.6 | 28.5 | 21.5 |
| 0.1 | 0.2 | 0.3 | 0.0 | 0.3 | 0.2 | 0.0 | 0.0 | 0.3 | 0.6 | 0.2 | 0.4 | 0.0 |
| 16.8 | 20.7 | 18.9 | 16.4 | 20.5 | 18.1 | 15.7 | 15.0 | 17.7 | 12.4 | 16.9 | 15.2 | 17.0 |
| 5.0 | 4.6 | 5.3 | 2.6 | 3.3 | 4.2 | 3.4 | 3.7 | 3.5 | 4.1 | 5.1 | 4.4 | 3.1 |
| 0.4 27.7 | 0.0 22.4 | 0.0 23.8 | 0.0 22.0 | 0.1 23.2 | 0.0 25.4 | 0.0 23.2 | 0.0 27.1 | 0.1 26.1 | 0.7 23.9 | 0.2 30.0 | 0.3 33.1 | 0.0 32.3 |
| 9.2 | 8.9 | 9.7 | 9.0 | 7.4 | 9.2 | 10.4 | 10.5 | 11.0 | 11.0 | 11.4 | 13.0 | 12.6 |
| | | | | | | | | | | | | |
| 18.5 | 13.5 | 14.1 | 13.0 | 15.8 | 16.2 | 12.8 | 16.5 | 15.1 | 13.0 | 18.7 | 20.1 | 19.7 |
| 1.7 | 0.4 | 1.0 | 1.3 | 2.1 | 2.1 | 0.7 | 1.0 | 1.8 | 0.5 | 1.5 | 2.5 | 1.9 |
| 26.8 | 19.5 | 19.7 | 18.7 | 25.2 | 24.0 | 22.3 | 16.3 | 19.6 | 24.4 | 24.3 | 23.8 | 22.5 |
| 8.9 7.1 | 11.8 3.7 | 5.6 | 10.5 | 5.6 2.9 | 9.6 | 8.8 8.7 | 8.9 | 12.4 4.0 | 3.9 | 12.6 | 15.2 3.0 | 9.4 3.8 |
| 5.0 | 7.2 | 4.4 5.4 | 4.8 5.1 | 5.9 | 7.4 5.0 | 5.3 | 2.5 5.5 | 4.6 | 5.7 6.4 | 4.1 6.7 | 4.9 | 10.5 |
| 42.5 | 45.2 | 43.9 | 42.5 | 48.2 | 42.8 | 43.2 | 41.9 | 44.1 | 43.3 | 43.6 | 35.8 | 44.0 |
| 2.0 | 3.4 | 4.6 | 1.6 | 2.1 | 2.0 | 1.4 | 3.6 | 2.3 | 1.7 | 1.5 | 2.7 | 1.6 |
| 14.2 | 14.9 | 12.9 | 19.3 | 16.6 | 17.0 | 14.5 | 17.1 | 18.1 | 16.5 | 20.0 | 16.0 | 21.3 |
| 0.6 | 0.2 | 1.0 | 0.9 | 1.1 | 1.6 | 1.1 | 0.5 | 1.3 | 0.8 | 1.0 | 0.5 | 0.6 |
| 6.2 | 6.2 | 8.0 | 4.1 | 5.6 | 5.1 | 7.9 | 6.2 | 6.4 | 9.0 | 5.9 | 5.0 | 6.3 |
| 19.5 | 20.5 | 17.4 | 16.7 | 22.7 | 17.1 | 18.2 | 14.5 | 16.1 | 15.2 | 15.2 | 11.6 | 14.2 |

 Table 18a
 Average annual number of new cases for selected primary sites, stage and period of diagnosis, 1956-2015

| | | ' | , , , , | <i>,</i> | | | |
|-------------------|---|--|--|---------------------------------------|--|-----------------------------------|--|
| | | | | | | | |
| C00-14 | Mouth, pharynx | Stage Total Localized Regional Distant Unknown | 1956-60 189 131 45 3 10 | 1961-65 187 131 45 6 5 | 1966-70 203 131 44 9 18 | 1971-75 245 160 65 10 | |
| C15 | Oesophagus | Total Localized Regional Distant Unknown | 74 46 10 12 5 | 80 47 11 18 4 | 77 43 10 18 6 | 84 39 18 22 5 | |
| C16 | Stomach | Total Localized Regional Distant Unknown | 851 241 182 348 80 | 794 221 175 346 52 | 769 199 152 333 85 | 662 164 150 302 46 | |
| C18 | Colon | Total Localized Regional Distant Unknown | 236 91 66 66 13 | 290 117 70 90 13 | 357 139 82 117 19 | 402 138 117 132 15 | |
| C19-20 | Rectum, rectosigmoid | Total Localized Regional Distant Unknown | 152 73 38 29 12 | 182 89 45 40 7 | 250 113 69 55 13 | 310 145 87 69 9 | |
| C22 | Liver | Total Localized Regional Distant Unknown | 19 9 1 7 2 | 23 11 1 9 1 | 36 18 1 14 3 | 55 24 4 22 4 | |
| C23-24 | Gallbladder, bile ducts | Total Localized Regional Distant Unknown | 17 8 3 6 1 | 22 9 3 10 1 | 27 8 5 11 2 | 28 9 5 13 1 | |
| C25 | Pancreas | Total Localized Regional Distant Unknown | 143 41 15 74 12 | 176 54 19 94 9 | 218 54 29 119 15 | 250 51 34 144 22 | |
| C33-34 | Lung, trachea | Total Localized Regional Distant Unknown | 263 76 54 112 21 | 373 130 80 141 22 | 532 171 104 226 31 | 678 217 129 285 48 | |
| C43 | Melanoma of the skin | Total Localized Regional Distant Unknown | 51 31 10 7 3 | 76 49 10 16 1 | 103 64 13 15 11 | 157 121 16 16 5 | |
| C61 | Prostate | Total Localized Regional Distant Unknown | 654 388 29 174 63 | 840 547 31 205 57 | 1012 642 37 230 104 | 1226 809 67 263 87 | |
| C62 | Testis | Total Localized Regional Distant Unknown | 55 38 2 14 2 | 68 43 4 18 2 | 75 49 6 18 3 | 84 44 16 23 1 | |
| C64 | Kidney excl. renal pelvis | Total Localized Regional Distant Unknown | 95 49 8 34 4 | 124 66 16 38 4 | 154 75 21 52 5 | 174 71 37 62 3 | |
| C65-68 | Urinary tract (renal pelvis, ureters, urinary bladder, and urethra) | Total Localized Regional Distant Unknown | 209 162 16 21 10 | 286 242 22 15 6 | 345 272 36 21 16 | 468 364 60 31 13 | |
| C70-72, D32-33 | Central nervous system | Total Non-malignant Malignant | 120 30 90 | 136 38 97 | 145 41 104 | 161 44 117 | |
| C73 | Thyroid gland | Total Localized Regional Distant Unknown | 20 6 10 4 0 | 23 5 11 7 0 | 35 12 13 9 | 34 14 15 5 | |
| | | | | | | | |

| Period | | | | | | | | |
|---------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|
| 1976-80 | 1981-85 | 1986-90 | 1991-95 | 1996-00 | 2001-05 | 2006-10 | 2011-15 | % 2011-15 |
| 239 | 245 | 253 | 253 | 267 | 251 | 295 | 366 | 100.0 |
| 152 | 145 | 146 | 123 | 96 | 79 | 105 | 137 | 37.5 |
| 71 | 87 | 81 | 90 | 100 | 113 | 140 | 181 | 49.4 |
| 9 | 5 | 8 | 12 | 12 | 12 | 13 | 16 | 4.4 |
| 7 | 8 | 19 | 29 | 58 | 47 | 37 | 32 | 8.7 |
| 87 | 87 | 98 | 107 | 118 | 133 | 155 | 199 | 100.0 |
| 42 | 40 | 30 | 22 | 19 | 24 | 28 | 30 | 14.9 |
| 18 | 20 | 24 | 25 | 25 | 33 | 45 | 54 | 27.2 |
| 22 | 22 | 30 | 28 | 33 | 44 | 46 | 53 | 26.7 |
| 5 | 5 | 14 | 33 | 41 | 33 | 36 | 62 | 31.2 |
| 602 | 588 | 528 | 460 | 399 | 342 | 300 | 300 | 100.0 |
| 174 | 171 | 142 | 93 | 56 | 56 | 59 | 54 | 18.1 |
| 146 | 163 | 144 | 133 | 116 | 106 | 84 | 89 | 29.6 |
| 244 | 212 | 181 | 148 | 136 | 122 | 100 | 93 | 31.1 |
| 37 | 42 | 61 | 85 | 91 | 58 | 58 | 64 | 21.2 |
| 521 | 648 | 739 | 843 | 918 | 1022 | 1156 | 1325 | 100.0 |
| 155 | 194 | 217 | 235 | 155 | 174 | 174 | 222 | 16.7 |
| 194 | 265 | 286 | 332 | 447 | 507 | 607 | 690 | 52.1 |
| 153 | 163 | 204 | 222 | 239 | 265 | 305 | 332 | 25.1 |
| 20 | 26 | 32 | 55 | 77 | 76 | 70 | 80 | 6.1 |
| 428 | 507 | 525 | 566 | 580 | 655 | 686 | 766 | 100.0 |
| 191 | 227 | 204 | 203 | 151 | 155 | 131 | 161 | 21.0 |
| 144 | 169 | 203 | 207 | 229 | 280 | 346 | 385 | 50.3 |
| 85 | 91 | 95 | 104 | 112 | 135 | 142 | 142 | 18.6 |
| 9 | 20 | 24 | 52 | 88 | 85 | 66 | 78 | 10.2 |
| 50 | 65 | 58 | 61 | 68 | 80 | 102 | 151 | 100.0 |
| 22 | 32 | 27 | 23 | 21 | 26 | 37 | 53 | 34.7 |
| 4 | 5 | 4 | 3 | 5 | 6 | 11 | 18 | 12.0 |
| 20 | 18 | 13 | 11 | 15 | 19 | 27 | 35 | 23.4 |
| 4 | 10 | 14 | 24 | 28 | 28 | 27 | 45 | 29.9 |
| 39 | 43 | 49 | 54 | 57 | 66 | 69 | 78 | 100.0 |
| 11 | 14 | 17 | 12 | 7 | 11 | 13 | 11 | 14.3 |
| 9 | 10 | 10 | 10 | 11 | 22 | 24 | 36 | 45.8 |
| 17 | 15 | 13 | 16 | 17 | 18 | 20 | 21 | 26.6 |
| 2 | 4 | 9 | 16 | 22 | 15 | 12 | 10 | 13.3 |
| 264 | 299 | 291 | 281 | 274 | 308 | 338 | 377 | 100.0 |
| 41 | 57 | 58 | 39 | 17 | 24 | 30 | 39 | 10.3 |
| 34 | 42 | 29 | 31 | 35 | 67 | 75 | 81 | 21.5 |
| 159 | 159 | 156 | 134 | 132 | 160 | 188 | 201 | 53.3 |
| 29 | 42 | 47 | 78 | 90 | 56 | 45 | 56 | 14.9 |
| 874 | 1051 | 1153 | 1226 | 1287 | 1395 | 1508 | 1606 | 100.0 |
| 286 | 333 | 325 | 292 | 203 | 183 | 217 | 322 | 20.0 |
| 154 | 197 | 241 | 240 | 322 | 390 | 440 | 455 | 28.4 |
| 373 | 431 | 455 | 474 | 543 | 666 | 706 | 692 | 43.1 |
| 61 | 88 | 132 | 221 | 220 | 156 | 145 | 138 | 8.6 |
| 205 | 253 | 351 | 435 | 454 | 505 | 652 | 932 | 100.0 |
| 168 | 207 | 299 | 367 | 294 | 283 | 391 | 789 | 84.7 |
| 16 | 19 | 16 | 17 | 14 | 23 | 31 | 64 | 6.9 |
| 16 | 16 | 22 | 26 | 26 | 34 | 31 | 32 | 3.5 |
| 4 | 11 | 14 | 26 | 120 | 165 | 199 | 46 | 5.0 |
| 1475 | 1690 | 1856 | 2344 | 2880 | 3329 | 4281 | 4951 | 100.0 |
| 990 | 1092 | 1183 | 1181 | 888 | 1383 | 1943 | 2428 | 49.1 |
| 69 | 64 | 56 | 98 | 116 | 205 | 701 | 1279 | 25.8 |
| 316 | 415 | 483 | 402 | 409 | 412 | 408 | 365 | 7.4 |
| 100 | 119 | 133 | 663 | 1467 | 1329 | 1230 | 879 | 17.7 |
| 107 | 142 | 165 | 197 | 232 | 249 | 286 | 310 | 100.0 |
| 61 | 76 | 108 | 133 | 133 | 143 | 191 | 256 | 82.6 |
| 22 | 40 | 30 | 36 | 35 | 45 | 39 | 31 | 9.9 |
| 22 | 23 | 23 | 22 | 30 | 27 | 29 | 22 | 7.0 |
| 1 | 3 | 3 | 5 | 34 | 34 | 27 | 2 | 0.5 |
| 199 | 244 | 252 | 268 | 285 | 348 | 417 | 546 | 100.0 |
| 80 | 106 | 113 | 133 | 108 | 157 | 216 | 383 | 70.1 |
| 49 | 47 | 48 | 37 | 44 | 43 | 39 | 48 | 8.8 |
| 66 | 81 | 80 | 70 | 75 | 80 | 89 | 81 | 14.8 |
| 4 | 10 | 12 | 29 | 58 | 69 | 74 | 34 | 6.3 |
| 594 | 685 | 748 | 829 | 812 | 883 | 963 | 1132 | 100.0 |
| 480 | 556 | 614 | 655 | 439 | 482 | 615 | 929 | 82.1 |
| 63 | 62 | 55 | 49 | 46 | 68 | 78 | 69 | 6.1 |
| 38 | 30 | 33 | 29 | 37 | 39 | 46 | 38 | 3.4 |
| 12 | 36 | 46 | 96 | 291 | 294 | 223 | 96 | 8.5 |
| 189 | 220 | 244 | 264 | 345 | 430 | 486 | 489 | 100.0 |
| 57 | 70 | 73 | 112 | 160 | 230 | 265 | 250 | 51.1 |
| 132 | 149 | 171 | 152 | 185 | 200 | 221 | 239 | 48.9 |
| 43 21 16 6 | 45 19 16 8 1 | 49 26 14 8 1 | 45 20 14 8 3 | 47 19 16 7 5 | 56 19 23 7 8 | 72 22 35 8 6 | 98 50 39 6 2 | 100.0 51.6 39.8 6.4 2.3 |

 Table 18b
 Average annual number of new cases for selected primary sites, stage and period of diagnosis, 1956-2015

| ICD10 | Site | Stage | 1956-60 | 1961-65 | 1966-70 | 1971-75 |
|-------------------|---|--|-------------------------------------|--------------------------------------|---------------------------------------|--|
| C00-14 | Mouth, pharynx | Total Localized Regional Distant Unknown | 60 35 19 3 3 | 67 39 22 4 3 | 74 42 28 1 3 | 78 40 27 5 5 |
| C15 | Oesophagus | Total Localized Regional Distant Unknown | 23 15 3 3 2 | 29 19 3 4 3 | 30 18 4 6 3 | 30 15 6 5 3 |
| C16 | Stomach | Total Localized Regional Distant Unknown | 595 169 99 240 87 | 538 153 97 224 63 | 501 117 91 226 67 | 423 101 84 203 35 |
| C18 | Colon | Total Localized Regional Distant Unknown | 273 106 70 74 23 | 337 141 78 100 18 | 427 164 108 131 24 | 494 170 151 153 21 |
| C19-20 | Rectum, rectosigmoid | Total Localized Regional Distant Unknown | 121 56 31 27 6 | 130 62 32 28 7 | 201 88 55 48 11 | 253 120 73 54 6 |
| C22 | Liver | Total Localized Regional Distant Unknown | 11 5 0 4 2 | 14 6 0 7 1 | 19 8 1 9 | 30 15 1 12 2 |
| C23-24 | Gallbladder, bile ducts | Total Localized Regional Distant Unknown | 46 13 8 23 2 | 52 15 9 26 2 | 61 15 8 36 2 | 49 14 10 22 3 |
| C25 | Pancreas | Total Localized Regional Distant Unknown | 97 29 9 48 11 | 119 38 11 63 7 | 156 42 17 84 14 | 183 41 24 98 20 |
| C33-34 | Lung, trachea | Total Localized Regional Distant Unknown | 70 18 8 35 9 | 84 25 11 42 6 | 131 42 20 62 8 | 165 50 27 77 12 |
| C43 | Melanoma of the skin | Total Localized Regional Distant Unknown | 55 42 7 6 2 | 88 73 6 6 3 | 120 85 8 13 14 | 178 154 9 10 5 |
| C50 | Breast | Total I II III IV Unknown | 921 407 349 44 93 28 | 1045 486 348 89 95 27 | 1198 579 373 79 119 47 | 1360 667 431 105 111 46 |
| C53 | Cervix uteri ¹ | Total I II III IV Unknown | 341 145 114 52 23 7 | 357 148 125 54 23 7 | 395 198 130 41 19 7 | 435 232 116 62 23 3 |
| C 54 | Corpus uteri | Total Localized Regional Distant Unknown | 175 139 9 19 7 | 216 181 11 20 3 | 259 203 16 37 4 | 310 258 21 27 4 |
| C56, C57.0-4 | Ovary etc. | Total Localized Regional Distant Unknown | 262 85 24 143 10 | 290 97 15 166 12 | 365 111 20 225 9 | 387 143 24 211 9 |
| C64 | Kidney excl. renal pelvis | Total Localized Regional Distant Unknown | 75 42 8 21 4 | 89 52 9 27 2 | 110 58 13 34 4 | 116 58 23 30 4 |
| C65-68 | Urinary tract (renal pelvis, ureters, urinary bladder, and urethra) | Total Localized Regional Distant Unknown | 121 76 13 21 12 | 129 81 21 20 8 | 151 99 21 21 9 | 199 128 31 27 13 |
| C70-72, D32-33 | Central nervous system | Total Non-malignant Malignant | 105 42 63 | 120 53 67 | 130 59 71 | 140 58 82 |
| C73 | Thyroid gland | Total Localized Regional Distant Unknown | 53 22 15 12 3 | 58 26 22 9 | 85 46 26 9 | 107 59 30 14 4 |

| | | | | | | | | FEMALES |
|------------------------------------|-------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|--|----------------------------------|-----------------------------------|--|
| Period 1976-80 | 1981-85 | 1986-90 | 1991-95 | 1996-00 | 2001-05 | 2006-10 | 2011-15 | % 2011-15 |
| 88 | 100 | 111 | 120 | 130 | 142 | 182 | 202 | 100.0 |
| 51 | 54 | 66 | 66 | 53 | 48 | 76 | 95 | 47.0 |
| 29 | 39 | 32 | 35 | 40 | 54 | 71 | 82 | 40.4 |
| 4 | 2 | 5 | 3 | 6 | 6 | 6 | 4 | 2.0 |
| 5 | 4 | 8 | 16 | 31 | 35 | 29 | 22 | 10.7 |
| 31 | 35 | 36 | 42 | 47 | 54 | 56 | 68 | 100.0 |
| 18 | 16 | 14 | 10 | 9 | 11 | 13 | 15 | 22.7 |
| 5 | 9 | 8 | 7 | 8 | 13 | 14 | 13 | 19.5 |
| 7 | 6 | 8 | 7 | 10 | 13 | 13 | 14 | 21.2 |
| 2 | 4 | 6 | 18 | 20 | 17 | 16 | 25 | 36.6 |
| 411 | 390 | 353 | 306 | 254 | 228 | 209 | 179 | 100.0 |
| 114 | 122 | 107 | 65 | 42 | 42 | 45 | 32 | 17.7 |
| 104 | 95 | 93 | 75 | 64 | 66 | 46 | 43 | 24.1 |
| 157 | 131 | 110 | 103 | 80 | 77 | 78 | 53 | 29.6 |
| 35 | 41 | 43 | 63 | 68 | 43 | 41 | 51 | 28.6 |
| 656 | 771 | 871 | 986 | 1097 | 1178 | 1291 | 1454 | 100.0 |
| 189 | 230 | 253 | 280 | 187 | 205 | 202 | 237 | 16.3 |
| 252 | 317 | 357 | 399 | 542 | 587 | 697 | 797 | 54.8 |
| 187 | 187 | 218 | 231 | 250 | 288 | 309 | 319 | 21.9 |
| 28 | 37 | 42 | 76 | 119 | 98 | 83 | 100 | 6.9 |
| 339 | 395 | 414 | 461 | 471 | 491 | 517 | 549 | 100.0 |
| 152 | 174 | 167 | 174 | 124 | 126 | 105 | 133 | 24.3 |
| 108 | 131 | 142 | 155 | 181 | 203 | 254 | 254 | 46.2 |
| 69 | 70 | 75 | 76 | 88 | 90 | 101 | 97 | 17.6 |
| 10 | 20 | 29 | 56 | 79 | 72 | 58 | 65 | 11.8 |
| 33 | 44 | 41 | 44 | 44 | 47 | 61 | 85 | 100.0 |
| 16 | 18 | 19 | 14 | 10 | 12 | 19 | 29 | 33.8 |
| 1 | 4 | 1 | 3 | 4 | 6 | 8 | 10 | 11.3 |
| 14 | 16 | 10 | 8 | 10 | 8 | 15 | 19 | 22.9 |
| 3 | 7 | 10 | 20 | 20 | 20 | 18 | 27 | 31.9 |
| 70 20 11 34 4 | 83 24 19 33 8 | 78 25 14 25 15 | 72 16 12 22 21 | 83 10 16 27 31 | 74 12 15 27 20 | 84 15 24 31 14 | 14 36 34 11 | 100.0 14.9 37.9 35.4 11.9 |
| 218 46 28 121 23 | 265 53 34 137 41 301 | 286 67 31 140 49 | 348 31 119 105 | 319 23 37 144 115 | 335 28 62 164 81 | 363 45 76 178 64 | 391 51 82 186 74 | 100.0 12.9 20.8 47.4 18.8 |
| 62 30 102 18 | 80 50 142 30 336 298 | 108 79 183 49 | 118 108 216 106 | 105 159 307 131 | 880 125 228 434 93 555 329 | 1147 205 292 540 109 | 1362 313 361 570 117 | 100.0 23.0 26.5 41.9 8.6 |
| 259 232 8 13 5 | 16 12 11 | 396 12 12 10 1787 | 432 11 15 27 2008 | 328 11 21 141 2418 | 14 21 191 | 689 432 22 18 217 | 829 42 18 40 3194 | 100.0 89.2 4.5 2.0 4.3 |
| 1539 | 1659 | 1787 | 2008 | 2418 | 2728 | 2754 | 3194 | 100.0 |
| 832 | 892 | 316 | 404 | 690 | 1004 | 1118 | 1318 | 41.3 |
| 433 | 485 | 687 | 769 | 909 | 1122 | 1036 | 1084 | 33.9 |
| 96 | 95 | 122 | 115 | 138 | 174 | 259 | 373 | 11.7 |
| 114 | 107 | 122 | 135 | 122 | 134 | 108 | 105 | 3.3 |
| 64 | 79 | 540 | 585 | 558 | 293 | 233 | 314 | 9.8 |
| 410 233 89 56 23 10 | 363 209 75 53 23 3 | 336 184 73 46 28 5 | 353 224 58 39 27 5 | 317 185 66 35 26 5 | 297 172 55 33 26 10 | 299 165 69 25 32 | 324 211 53 22 30 8 | 100.0 65.2 16.2 6.8 9.3 2.4 |
| 369 | 382 | 408 | 454 | 505 | 634 | 705 | 735 | 100.0 |
| 288 | 285 | 300 | 321 | 312 | 376 | 476 | 546 | 74.3 |
| 42 | 47 | 47 | 44 | 59 | 74 | 66 | 42 | 5.7 |
| 34 | 36 | 48 | 55 | 68 | 82 | 97 | 91 | 12.4 |
| 5 | 15 | 12 | 34 | 66 | 102 | 66 | 56 | 7.7 |
| 416 108 32 265 | 443 115 40 271 18 | 460 124 24 296 15 | 468 126 16 299 28 | 483 91 14 320 57 | 478 85 13 323 58 | 471 88 16 325 42 | 480 105 15 328 33 | 100.0 21.8 3.1 68.3 6.8 |
| 137 | 149 | 179 | 188 | 191 | 211 | 240 | 257 | 100.0 |
| 65 | 66 | 87 | 102 | 75 | 93 | 131 | 184 | 71.6 |
| 27 | 31 | 28 | 21 | 22 | 24 | 20 | 17 | 6.8 |
| 42 | 44 | 50 | 44 | 51 | 42 | 41 | 33 | 12.7 |
| 3 | 7 | 14 | 22 | 43 | 52 | 48 | 23 | 8.9 |
| 233 | 257 | 270 | 288 | 305 | 342 | 358 | 430 | 100.0 |
| 164 | 188 | 209 | 204 | 140 | 173 | 217 | 328 | 76.3 |
| 32 | 32 | 22 | 20 | 24 | 34 | 35 | 32 | 7.5 |
| 26 | 17 | 19 | 18 | 23 | 26 | 24 | 23 | 5.3 |
| 11 | 20 | 20 | 46 | 117 | 109 | 81 | 47 | 11.0 |
| 185 | 212 | 253 | 298 | 410 | 566 | 636 | 552 | 100.0 |
| 80 | 94 | 131 | 171 | 264 | 407 | 469 | 384 | 69.5 |
| 106 | 118 | 122 | 128 | 145 | 158 | 167 | 168 | 30.5 |
| 129 | 141 | 135 | 138 | 122 | 150 | 174 | 241 | 100.0 |
| 84 | 93 | 91 | 84 | 56 | 68 | 86 | 153 | 63.3 |
| 30 | 33 | 31 | 37 | 37 | 47 | 56 | 75 | 31.1 |
| 13 | 10 | 9 | 11 | 10 | 10 | 7 | 8 | 3.4 |
| 2 | 5 | 4 | 7 | 18 | 24 | 25 | 5 | 2.2 |

Table 19a Age-standardised (Norwegian standard) incidence rates per 100 000 person-years for selected primary sites, stage and period of diagnosis, 1956-2015

| | stage and period of diagnit | 0313, 1730 2013 | | | | |
|-------------------|---|--|-------------------------------------|-------------------------------------|-------------------------------------|------------------------------------|
| ICD10 | Site | Stage | 1956-60 | 1961-65 | 1966-70 | 1971-75 |
| C00-14 | Mouth, pharynx | Total Localized Regional Distant Unknown | 16.1 11.0 3.7 0.2 1.1 | 14.4 10.2 3.2 0.5 0.4 | 14.7 9.6 3.2 0.6 1.3 | 16.2 10.7 4.3 0.6 0.7 |
| C15 | Oesophagus | Total Localized Regional Distant Unknown | 6.7 4.4 0.8 0.9 0.6 | 6.5 4.0 0.7 1.2 0.5 | 5.6 3.2 0.7 1.2 0.5 | 5.7 2.7 1.2 1.4 0.4 |
| C16 | Stomach | Total Localized Regional Distant Unknown | 73.4 21.9 13.9 28.7 8.9 | 63.2 18.7 12.7 26.2 5.6 | 56.9 15.9 10.1 23.2 7.7 | 45.5 12.0 9.7 19.6 4.1 |
| C18 | Colon | Total Localized Regional Distant Unknown | 20.2 7.9 5.3 5.5 1.4 | 23.1 9.8 5.0 6.9 1.4 | 25.9 10.2 5.7 8.3 1.7 | 27.7 9.7 7.7 8.9 1.3 |
| C19-20 | Rectum, rectosigmoid | Total Localized Regional Distant Unknown | 13.1 6.5 2.9 2.4 1.2 | 14.2 7.1 3.5 2.9 0.8 | 18.1 8.4 4.7 3.9 1.2 | 20.8 9.9 5.6 4.5 0.8 |
| C22 | Liver | Total Localized Regional Distant Unknown | 1.4 0.6 0.1 0.6 0.1 | 1.6 0.8 0.1 0.6 0.0 | 2.4 1.3 0.1 0.9 0.2 | 3.4 1.5 0.3 1.4 0.3 |
| C23-24 | Gallbladder, bile ducts | Total Localized Regional Distant Unknown | 1.3 0.6 0.2 0.4 0.1 | 1.6 0.6 0.2 0.8 0.1 | 2.0 0.6 0.3 0.8 0.2 | 1.9 0.6 0.3 0.9 0.1 |
| C25 | Pancreas | Total Localized Regional Distant Unknown | 11.6 3.3 1.3 6.0 1.0 | 12.9 4.1 1.4 6.7 0.8 | 15.3 3.9 2.0 8.3 1.1 | 16.3 3.4 2.2 9.2 1.4 |
| C33-34 | Lung, trachea | Total Localized Regional Distant Unknown | 19.2 5.7 3.7 8.1 1.7 | 25.4 8.8 5.3 9.6 1.7 | 34.0 11.1 6.4 14.4 2.2 | 41.0 13.2 7.5 17.2 3.0 |
| C43 | Melanoma of the skin | Total Localized Regional Distant Unknown | 3.7 2.3 0.7 0.5 0.2 | 5.1 3.4 0.6 1.0 0.1 | 6.7 4.1 0.8 1.0 0.7 | 9.6 7.4 0.9 0.9 0.3 |
| C61 | Prostate | Total Localized Regional Distant Unknown | 63.8 37.9 3.0 16.4 6.5 | 74.0 48.2 2.8 17.4 5.4 | 81.2 51.0 3.1 17.8 9.3 | 90.0 58.3 5.1 19.3 7.3 |
| C62 | Testis | Total Localized Regional Distant Unknown | 3.4 2.2 0.1 0.9 0.1 | 4.1 2.6 0.3 1.1 0.1 | 4.4 2.8 0.3 1.0 0.2 | 4.6 2.4 0.8 1.2 0.1 |
| C64 | Kidney excl. renal pelvis | Total Localized Regional Distant Unknown | 7.1 3.6 0.6 2.6 0.3 | 8.8 4.7 1.1 2.7 0.3 | 10.3 5.2 1.3 3.4 0.4 | 10.7 4.5 2.2 3.8 0.2 |
| C65-68 | Urinary tract (renal pelvis, ureters, urinary bladder, and urethra) | Total Localized Regional Distant Unknown | 17.4 13.4 1.3 1.7 0.9 | 22.0 18.6 1.7 1.2 0.5 | 24.0 18.7 2.6 1.5 1.2 | 30.8 23.7 3.9 2.2 0.9 |
| C70-72, D32-33 | Central nervous system | Total Non-malignant Malignant | 7.4 1.9 5.5 | 7.9 2.3 5.7 | 8.2 2.5 5.8 | 8.9 2.5 6.4 |
| C73 | Thyroid gland | Total Localized Regional Distant Unknown | 1.5 0.5 0.7 0.3 0.0 | 1.6 0.3 0.7 0.5 0.0 | 2.3 0.8 0.8 0.6 0.1 | 2.2 0.9 0.9 0.3 0.0 |
| | | OTHER DAY I | 0.0 | 0.0 | 0.1 | 0.0 |

| Period 1976-80 | 1981-85 | 1986-90 | 1991-95 | 1996-00 | 2001-05 | 2006-10 | 2011-15 |
|-------------------|---------|---------|---------|---------|---------|---------|---------|
| 15.0 | 14.6 | 14.8 | 14.3 | 14.5 | 12.8 | 13.8 | 15.3 |
| 9.5 | 8.8 | 8.6 | 6.9 | 5.3 | 4.1 | 5.0 | 5.9 |
| 4.4 | 5.0 | 4.6 | 5.0 | 5.3 | 5.7 | 6.4 | 7.4 |
| 0.6 | 0.3 | 0.4 | 0.6 | 0.6 | 0.6 | 0.6 | 0.7 |
| 0.5 | 0.5 | 1.2 | 1.7 | 3.3 | 2.5 | 1.8 | 1.4 |
| 5.5 | 5.2 | 5.7 | 6.2 | 6.6 | 7.1 | 7.5 | 8.5 |
| 2.8 | 2.5 | 1.8 | 1.3 | 1.0 | 1.3 | 1.4 | 1.3 |
| 1.0 | 1.1 | 1.3 | 1.4 | 1.4 | 1.8 | 2.1 | 2.3 |
| 1.3 | 1.2 | 1.7 | 1.5 | 1.8 | 2.3 | 2.2 | 2.2 |
| 0.4 | 0.3 | 0.9 | 2.0 | 2.3 | 1.8 | 1.8 | 2.7 |
| 39.1 | 36.1 | 31.4 | 26.6 | 22.3 | 18.5 | 14.8 | 13.2 |
| 11.9 | 11.3 | 9.0 | 5.5 | 3.1 | 3.1 | 3.0 | 2.4 |
| 9.1 | 9.4 | 8.0 | 7.4 | 6.4 | 5.5 | 4.0 | 3.8 |
| 15.3 | 12.5 | 10.4 | 8.3 | 7.4 | 6.5 | 4.8 | 4.1 |
| 2.9 | 2.9 | 4.0 | 5.5 | 5.4 | 3.4 | 3.0 | 2.8 |
| 33.9 | 39.5 | 43.8 | 48.5 | 50.9 | 54.6 | 57.1 | 58.7 |
| 10.2 | 12.1 | 12.7 | 13.5 | 8.5 | 9.3 | 8.5 | 9.7 |
| 12.4 | 15.7 | 16.9 | 19.0 | 24.8 | 26.9 | 30.1 | 30.5 |
| 9.7 | 9.8 | 12.1 | 12.4 | 13.1 | 14.0 | 14.8 | 14.6 |
| 1.6 | 1.8 | 2.3 | 3.6 | 4.5 | 4.4 | 3.7 | 4.0 |
| 27.4 | 30.6 | 30.6 | 32.3 | 32.1 | 34.7 | 33.1 | 32.9 |
| 12.7 | 14.0 | 11.9 | 11.5 | 8.2 | 8.3 | 6.4 | 6.8 |
| 8.8 | 9.7 | 11.5 | 11.6 | 12.4 | 14.6 | 16.6 | 16.5 |
| 5.3 | 5.5 | 5.4 | 5.9 | 6.2 | 7.1 | 6.8 | 6.1 |
| 0.7 | 1.4 | 1.7 | 3.4 | 5.2 | 4.7 | 3.3 | 3.5 |
| 3.1 | 3.8 | 3.4 | 3.3 | 3.6 | 4.1 | 4.9 | 6.5 |
| 1.4 | 1.9 | 1.6 | 1.2 | 1.1 | 1.4 | 1.8 | 2.2 |
| 0.2 | 0.3 | 0.2 | 0.1 | 0.3 | 0.3 | 0.5 | 0.8 |
| 1.1 | 1.1 | 0.7 | 0.6 | 0.7 | 1.0 | 1.3 | 1.5 |
| 0.3 | 0.6 | 0.8 | 1.3 | 1.5 | 1.5 | 1.3 | 2.0 |
| 2.5 | 2.6 | 2.8 | 3.1 | 3.3 | 3.4 | 3.4 | 3.4 |
| 0.8 | 0.9 | 1.0 | 0.7 | 0.4 | 0.6 | 0.7 | 0.5 |
| 0.5 | 0.5 | 0.5 | 0.6 | 0.6 | 1.1 | 1.2 | 1.5 |
| 1.1 | 0.9 | 0.7 | 0.9 | 0.9 | 0.9 | 1.0 | 0.9 |
| 0.1 | 0.3 | 0.5 | 1.0 | 1.4 | 0.9 | 0.6 | 0.5 |
| 16.5 | 18.5 | 17.0 | 16.1 | 15.2 | 16.4 | 16.6 | 16.4 |
| 2.7 | 3.9 | 3.5 | 2.4 | 0.9 | 1.3 | 1.5 | 1.7 |
| 2.1 | 2.5 | 1.7 | 1.7 | 1.9 | 3.5 | 3.7 | 3.5 |
| 9.9 | 9.3 | 8.9 | 7.4 | 7.2 | 8.4 | 9.1 | 8.6 |
| 1.9 | 2.9 | 2.8 | 4.7 | 5.2 | 3.1 | 2.4 | 2.7 |
| 51.0 | 59.7 | 64.5 | 68.0 | 69.7 | 72.9 | 72.8 | 70.0 |
| 16.8 | 19.1 | 18.2 | 16.0 | 10.9 | 9.5 | 10.5 | 14.0 |
| 8.7 | 11.0 | 13.3 | 13.0 | 17.1 | 20.3 | 21.1 | 19.6 |
| 21.5 | 24.4 | 25.4 | 26.2 | 29.3 | 34.6 | 33.9 | 29.9 |
| 4.0 | 5.3 | 7.7 | 12.7 | 12.4 | 8.5 | 7.2 | 6.5 |
| 12.1 | 14.4 | 19.5 | 23.4 | 23.4 | 25.2 | 30.3 | 39.5 |
| 9.9 | 11.7 | 16.5 | 19.6 | 15.1 | 14.0 | 18.1 | 33.3 |
| 1.0 | 1.1 | 0.9 | 0.9 | 0.7 | 1.2 | 1.4 | 2.8 |
| 1.0 | 0.9 | 1.3 | 1.5 | 1.4 | 1.7 | 1.5 | 1.4 |
| 0.2 | 0.6 | 0.8 | 1.4 | 6.2 | 8.4 | 9.3 | 2.0 |
| 99.8 | 105.8 | 111.2 | 135.7 | 163.5 | 180.9 | 209.0 | 211.2 |
| 66.2 | 67.7 | 70.2 | 67.7 | 49.5 | 74.2 | 93.0 | 101.0 |
| 4.6 | 3.9 | 3.3 | 5.8 | 6.8 | 11.1 | 34.4 | 55.0 |
| 21.3 | 26.3 | 28.9 | 23.2 | 23.3 | 22.6 | 20.8 | 16.8 |
| 7.7 | 8.0 | 8.7 | 39.0 | 83.9 | 72.9 | 60.8 | 38.4 |
| 5.5 | 6.8 | 7.4 | 8.6 | 9.9 | 10.6 | 11.9 | 12.0 |
| 3.1 | 3.7 | 4.9 | 5.8 | 5.6 | 6.0 | 7.9 | 9.9 |
| 1.2 | 1.9 | 1.3 | 1.6 | 1.5 | 1.9 | 1.6 | 1.2 |
| 1.1 | 1.1 | 1.1 | 0.9 | 1.3 | 1.2 | 1.2 | 0.8 |
| 0.1 | 0.1 | 0.2 | 0.2 | 1.4 | 1.5 | 1.1 | 0.1 |
| 11.7 | 14.2 | 14.5 | 14.9 | 15.3 | 17.7 | 19.5 | 22.7 |
| 4.7 | 6.2 | 6.4 | 7.3 | 5.7 | 7.9 | 9.9 | 15.7 |
| 2.8 | 2.7 | 2.7 | 2.1 | 2.3 | 2.1 | 1.8 | 2.0 |
| 3.9 | 4.6 | 4.6 | 3.8 | 4.0 | 4.1 | 4.2 | 3.4 |
| 0.3 | 0.7 | 0.8 | 1.6 | 3.3 | 3.6 | 3.5 | 1.6 |
| 37.0 | 40.9 | 44.0 | 47.4 | 45.1 | 47.1 | 47.5 | 50.4 |
| 29.8 | 33.2 | 36.1 | 37.3 | 24.2 | 25.6 | 30.2 | 41.3 |
| 3.8 | 3.6 | 3.1 | 2.8 | 2.5 | 3.6 | 3.8 | 3.0 |
| 2.5 | 1.8 | 1.9 | 1.7 | 2.0 | 2.0 | 2.3 | 1.7 |
| 0.9 | 2.4 | 2.8 | 5.7 | 16.4 | 15.9 | 11.2 | 4.3 |
| 10.3 | 11.8 | 13.0 | 13.7 | 17.1 | 20.5 | 21.8 | 20.0 |
| 3.2 | 4.0 | 4.0 | 5.8 | 7.9 | 10.9 | 11.8 | 10.2 |
| 7.1 | 7.8 | 9.0 | 7.9 | 9.2 | 9.6 | 10.0 | 9.8 |
| 2.5 | 2.5 | 2.6 | 2.4 | 2.3 | 2.6 | 3.2 | 4.0 |
| 1.2 | 1.1 | 1.4 | 1.1 | 0.9 | 0.9 | 1.0 | 2.0 |
| 0.9 | 0.9 | 0.7 | 0.7 | 0.8 | 1.0 | 1.5 | 1.6 |
| 0.4 | 0.5 | 0.5 | 0.4 | 0.4 | 0.3 | 0.4 | 0.3 |
| 0.0 | 0.1 | 0.1 | 0.2 | 0.3 | 0.4 | 0.3 | 0.1 |

Table 19b Age-standardised (Norwegian standard) incidence rates per 100 000 person-years for selected primary sites, stage and period of diagnosis, 1956-2015

| | stage and period of diagnosis, 1956 | -2015 | | | | |
|-------------------|---|--|---|---|---|---|
| ICD10 | Site | Stage | 1956-60 | 1961-65 | 1966-70 | 1971-75 |
| C00-14 | Mouth, pharynx | Total Localized Regional Distant Unknown | 4.5 2.6 1.5 0.2 0.2 | 4.5 2.5 1.5 0.2 0.2 | 4.5 2.5 1.7 0.1 0.2 | 4.3 2.3 1.5 0.3 0.3 |
| C15 | Oesophagus | Total Localized Regional Distant Unknown | 1.8 1.2 0.2 0.2 0.2 | 2.0 1.3 0.2 0.3 0.2 | 1.9 1.1 0.2 0.4 0.2 | 1.6 0.8 0.3 0.3 0.2 |
| C16 | Stomach | Total Localized Regional Distant Unknown | 45.8 13.6 6.6 17.4 8.2 | 37.7 11.1 6.0 15.0 5.7 | 30.9 7.6 5.1 13.3 4.9 | 23.5 5.8 4.4 11.1 2.2 |
| C18 | Colon | Total Localized Regional Distant Unknown | 20.2 7.9 4.8 5.3 2.1 | 22.7 9.6 4.9 6.5 1.6 | 25.6 10.0 6.1 7.7 1.8 | 27.1 9.4 8.0 8.2 1.5 |
| C19-20 | Rectum, rectosigmoid | Total Localized Regional Distant Unknown | 8.7 4.1 2.1 1.9 0.6 | 8.5 4.0 2.0 1.9 0.6 | 11.9 5.3 3.1 2.8 0.8 | 13.8 6.6 3.9 2.9 0.4 |
| C22 | Liver | Total Localized Regional Distant Unknown | 0.8 0.4 0.0 0.3 0.1 | 0.9 0.4 0.0 0.4 0.0 | 1.1 0.5 0.1 0.5 0.1 | 1.6 0.8 0.1 0.7 0.1 |
| C23-24 | Gallbladder, bile ducts | Total Localized Regional Distant Unknown | 3.3 0.9 0.6 1.6 0.2 | 3.4 1.0 0.6 1.7 0.1 | 3.6 0.9 0.5 2.1 0.1 | 2.7 0.8 0.5 1.2 0.2 |
| C25 | Pancreas | Total Localized Regional Distant Unknown | 6.9 2.2 0.6 3.4 0.8 | 7.6 2.5 0.7 3.9 0.5 | 9.2 2.4 1.0 4.9 0.9 | 9.8 2.2 1.2 5.2 1.1 |
| C33-34 | Lung, trachea | Total Localized Regional Distant Unknown | 4.8 1.2 0.5 2.4 0.6 | 5.3 1.6 0.6 2.6 0.4 | 7.6 2.5 1.1 3.5 0.5 | 8.7 2.6 1.4 4.1 0.7 |
| C43 | Melanoma of the skin | Total Localized Regional Distant Unknown | 3.7 2.7 0.4 0.4 0.1 | 5.3 4.3 0.4 0.4 0.2 | 7.1 5.0 0.5 0.8 0.8 | 10.0 8.6 0.5 0.5 0.3 |
| C50 | Breast | Total I II III IV Unknown | 60.6 26.7 22.0 3.2 6.6 2.1 | 64.8 30.0 20.8 6.0 6.1 1.9 | 69.0 33.4 20.9 4.7 7.0 3.0 | 75.0 36.9 23.4 5.8 6.1 2.8 |
| C53 | Cervix uteri ¹ | Total I II III IV Unknown | 20.6 8.5 6.9 3.3 1.5 0.5 | 21.1 8.6 7.3 3.3 1.4 0.5 | 22.8 11.6 7.3 2.3 1.1 0.4 | 24.7 13.7 6.4 3.3 1.2 0.1 |
| C54 | Corpus uteri | Total Localized Regional Distant Unknown | 11.1 8.8 0.7 1.3 0.4 | 12.7 10.6 0.7 1.2 0.2 | 14.4 11.2 0.9 2.0 0.2 | 16.4 13.6 1.1 1.4 0.2 |
| C56, C57.0-4 | Ovary etc. | Total Localized Regional Distant Unknown | 16.8 5.3 1.5 9.2 0.7 | 17.4 5.8 0.9 9.9 0.8 | 20.4 6.2 1.1 12.5 0.6 | 20.7 7.7 1.3 11.1 0.5 |
| C64 | Kidney excl. renal pelvis | Total Localized Regional Distant Unknown | 5.0 2.8 0.6 1.4 0.3 | 5.4 3.2 0.5 1.6 0.1 | 6.2 3.4 0.7 1.9 0.2 | 6.1 3.1 1.2 1.6 0.2 |
| C65-68 | Urinary tract (renal pelvis, ureters, urinary bladder, and urethra) | Total Localized Regional Distant Unknown | 8.8 5.5 1.0 1.4 0.9 | 8.6 5.4 1.3 1.3 0.6 | 9.0 5.8 1.2 1.3 0.7 | 10.7 6.8 1.7 1.4 0.8 |
| C70-72, D32-33 | Central nervous system | Total Non-malignant Malignant | 6.3 2.6 3.7 | 6.9 3.1 3.7 | 7.1 3.3 3.8 | 7.4 3.1 4.2 |
| C73 | Thyroid gland | Total Localized Regional Distant Unknown | 3.6 1.5 1.0 0.8 0.2 | 3.6 1.6 1.4 0.6 0.1 | 4.9 2.7 1.5 0.5 0.2 | 5.9 3.3 1.7 0.7 0.2 |

¹ The Cancer in Norway reports from 2015 to 2018 contained an error in staging of cervical cancer, and the numbers given in this table are incorrect. For more details see: https://www.kreftregisteret.no/Generelt/Rapporter/Cancer-in-Norway/erratum-for-cancer-in-norway/

| | Period | | | | | | |
|---------------------------------|---------------------------------|---------------------------------|--------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| 1976-80 4.6 | 1981-85 | 1986-90 5.2 | 1991-95 5.4 3.0 | 1996-00 5.7 | 2001-05 | 2006-10 7.3 | 2011-15 |
| 4.6 2.7 1.5 0.2 0.3 | 4.8 2.6 1.9 0.1 0.2 | 5.2 3.0 1.5 0.2 0.4 | 3.0 1.6 0.2 0.7 | 5.7 2.3 1.8 0.3 1.4 | 6.0 2.0 2.3 0.2 1.4 | 7.3 3.0 2.9 0.2 1.2 | 7.5 3.5 3.1 0.1 0.8 |
| 1.6 | 1.6 | 1.6 | 1.8 | 1.9 | 2.2 | 2.1 | 2.5 |
| 0.9 | 0.7 | 0.6 | 0.4 | 0.4 | 0.4 | 0.5 | 0.6 |
| 0.2 | 0.4 | 0.4 | 0.3 | 0.4 | 0.6 | 0.6 | 0.5 |
| 0.3 | 0.3 | 0.4 | 0.3 | 0.4 | 0.6 | 0.5 | 0.5 |
| 0.1 | 0.2 | 0.3 | 0.7 | 0.8 | 0.6 | 0.6 | 0.9 |
| 20.8 | 18.1 | 15.3 | 12.7 | 10.2 | 9.0 | 7.8 | 6.4 |
| 6.0 | 5.7 | 4.7 | 2.7 | 1.7 | 1.6 | 1.7 | 1.1 |
| 5.1 | 4.3 | 4.1 | 3.1 | 2.6 | 2.6 | 1.7 | 1.5 |
| 7.8 | 6.0 | 4.7 | 4.3 | 3.4 | 3.1 | 3.0 | 2.0 |
| 2.0 | 2.1 | 1.9 | 2.5 | 2.5 | 1.6 | 1.5 | 1.8 |
| 33.0 | 36.0 | 38.4 | 41.8 | 45.1 | 47.0 | 49.3 | 52.5 |
| 9.5 | 10.7 | 11.1 | 11.8 | 7.7 | 8.1 | 7.8 | 8.7 |
| 12.6 | 14.7 | 15.7 | 17.0 | 22.3 | 23.6 | 26.7 | 28.9 |
| 9.3 | 8.8 | 9.8 | 10.0 | 10.4 | 11.6 | 12.0 | 11.7 |
| 1.6 | 1.8 | 1.8 | 3.1 | 4.7 | 3.7 | 2.8 | 3.2 |
| 17.2 | 18.5 | 18.3 | 20.1 | 19.8 | 20.1 | 20.4 | 20.3 |
| 7.8 | 8.3 | 7.4 | 7.6 | 5.3 | 5.2 | 4.2 | 5.0 |
| 5.3 | 6.0 | 6.4 | 6.9 | 7.7 | 8.4 | 10.0 | 9.5 |
| 3.5 | 3.2 | 3.3 | 3.3 | 3.7 | 3.8 | 4.0 | 3.6 |
| 0.6 | 1.0 | 1.3 | 2.3 | 3.1 | 2.8 | 2.1 | 2.3 |
| 1.7 | 2.1 | 1.8 | 1.9 | 1.9 | 1.9 | 2.3 | 3.1 |
| 0.8 | 0.8 | 0.8 | 0.6 | 0.5 | 0.5 | 0.7 | 1.1 |
| 0.0 | 0.2 | 0.1 | 0.1 | 0.2 | 0.3 | 0.3 | 0.4 |
| 0.7 | 0.7 | 0.4 | 0.3 | 0.4 | 0.3 | 0.6 | 0.7 |
| 0.2 | 0.4 | 0.4 | 0.8 | 0.8 | 0.8 | 0.7 | 0.9 |
| 3.4 | 3.8 | 3.4 | 3.0 | 3.3 | 2.9 | 3.2 | 3.5 |
| 1.0 | 1.1 | 1.1 | 0.7 | 0.4 | 0.5 | 0.6 | 0.5 |
| 0.5 | 0.9 | 0.6 | 0.5 | 0.7 | 0.6 | 1.0 | 1.4 |
| 1.7 | 1.5 | 1.1 | 0.9 | 1.1 | 1.1 | 1.2 | 1.2 |
| 0.2 | 0.4 | 0.6 | 0.8 | 1.1 | 0.7 | 0.5 | 0.4 |
| 10.7 | 12.2 | 12.3 | 12.6 | 12.7 | 13.2 | 13.8 | 14.1 |
| 2.3 | 2.4 | 2.9 | 2.0 | 0.9 | 1.0 | 1.6 | 1.8 |
| 1.4 | 1.6 | 1.4 | 1.4 | 1.5 | 2.5 | 3.0 | 3.0 |
| 5.8 | 6.3 | 6.1 | 5.2 | 6.0 | 6.7 | 7.0 | 6.8 |
| 1.2 | 1.9 | 2.0 | 4.1 | 4.3 | 3.0 | 2.2 | 2.5 |
| 10.7 | 14.5 | 19.7 | 25.4 | 32.1 | 38.4 | 46.7 | 51.1 |
| 3.1 | 3.7 | 5.0 | 5.4 | 4.8 | 5.5 | 8.5 | 11.9 |
| 1.5 | 2.5 | 3.8 | 5.2 | 7.4 | 10.0 | 12.0 | 13.7 |
| 5.1 | 7.0 | 8.7 | 10.3 | 14.3 | 19.2 | 22.0 | 21.5 |
| 1.0 | 1.4 | 2.2 | 4.5 | 5.6 | 3.8 | 4.2 | 4.1 |
| 14.0 | 17.2 | 21.1 | 22.8 | 22.5 | 24.0 | 28.2 | 35.5 |
| 12.6 | 15.3 | 19.6 | 20.3 | 14.8 | 14.3 | 17.8 | 31.8 |
| 0.4 | 0.8 | 0.5 | 0.5 | 0.5 | 0.6 | 0.8 | 1.5 |
| 0.7 | 0.6 | 0.6 | 0.7 | 0.9 | 0.9 | 0.7 | 0.7 |
| 0.3 | 0.5 | 0.5 | 1.3 | 6.3 | 8.1 | 8.9 | 1.5 |
| 81.1 | 83.3 | 85.8 | 93.6 | 111.5 | 120.8 | 114.2 | 123.3 |
| 43.7 | 44.3 | 15.2 | 19.4 | 33.3 | 47.0 | 47.9 | 51.9 |
| 22.8 | 24.7 | 33.4 | 36.3 | 42.0 | 49.7 | 43.0 | 41.9 |
| 5.1 | 4.6 | 5.8 | 5.0 | 6.0 | 7.2 | 10.5 | 14.3 |
| 5.9 | 5.3 | 5.7 | 6.3 | 5.4 | 5.6 | 4.3 | 4.0 |
| 3.7 | 4.3 | 25.6 | 26.5 | 24.9 | 11.3 | 8.4 | 11.1 |
| 22.3 | 18.6 | 16.5 | 16.6 | 14.4 | 12.8 | 12.4 | 12.8 |
| 13.0 | 10.8 | 9.0 | 10.5 | 8.5 | 7.5 | 6.9 | 8.4 |
| 4.7 | 3.9 | 3.6 | 2.8 | 3.0 | 2.4 | 2.9 | 2.1 |
| 2.9 | 2.6 | 2.3 | 1.8 | 1.6 | 1.4 | 1.0 | 0.9 |
| 1.2 | 1.1 | 1.4 | 1.2 | 1.1 | 1.1 | 1.3 | 1.2 |
| 0.5 | 0.2 | 0.2 | 0.2 | 0.2 | 0.4 | 0.3 | 0.3 |
| 19.1 | 19.4 | 20.0 | 21.7 | 23.4 | 27.6 | 29.1 | 27.9 |
| 15.0 | 14.7 | 14.9 | 15.5 | 14.7 | 16.6 | 19.7 | 20.8 |
| 2.1 | 2.3 | 2.2 | 2.1 | 2.7 | 3.1 | 2.7 | 1.6 |
| 1.7 | 1.7 | 2.3 | 2.5 | 3.1 | 3.5 | 4.0 | 3.4 |
| 0.3 | 0.7 | 0.6 | 1.5 | 2.9 | 4.4 | 2.7 | 2.0 |
| 21.5 | 22.3 | 22.4 | 22.1 | 21.8 | 20.6 | 19.2 | 18.3 |
| 5.7 | 5.9 | 6.1 | 6.1 | 4.2 | 3.8 | 3.6 | 4.1 |
| 1.7 | 2.1 | 1.2 | 0.7 | 0.7 | 0.5 | 0.6 | 0.6 |
| 13.6 | 13.5 | 14.4 | 14.2 | 14.5 | 13.9 | 13.3 | 12.5 |
| 0.5 | 0.8 | 0.7 | 1.2 | 2.4 | 2.4 | 1.6 | 1.1 |
| 6.8 | 7.0 | 8.1 | 8.1 | 8.1 | 8.7 | 9.6 | 9.7 |
| 3.3 | 3.2 | 3.9 | 4.5 | 3.3 | 4.0 | 5.4 | 7.1 |
| 1.3 | 1.5 | 1.3 | 0.9 | 0.9 | 1.0 | 0.8 | 0.7 |
| 2.1 | 2.0 | 2.3 | 1.8 | 2.1 | 1.7 | 1.6 | 1.2 |
| 0.2 | 0.3 | 0.6 | 0.9 | 1.8 | 2.0 | 1.9 | 0.8 |
| 11.6 | 11.9 | 11.9 | 12.2 | 12.5 | 13.7 | 13.8 | 15.5 |
| 8.2 | 8.7 | 9.2 | 8.7 | 5.9 | 7.0 | 8.4 | 11.9 |
| 1.6 | 1.4 | 1.0 | 0.9 | 1.0 | 1.4 | 1.4 | 1.2 |
| 1.3 | 0.8 | 0.8 | 0.8 | 1.0 | 1.0 | 0.9 | 0.8 |
| 0.6 | 0.9 | 0.9 | 1.9 | 4.6 | 4.3 | 3.1 | 1.7 |
| 9.5 | 10.5 | 12.2 | 14.0 | 18.3 | 24.7 | 26.1 | 21.3 |
| 4.1 | 4.7 | 6.4 | 8.0 | 11.8 | 17.9 | 19.3 | 14.8 |
| 5.3 | 5.9 | 5.9 | 6.0 | 6.5 | 6.8 | 6.9 | 6.5 |
| 6.9 | 7.0 | 6.4 | 6.4 | 5.4 | 6.4 | 7.3 | 9.5 |
| 4.6 | 4.8 | 4.4 | 4.0 | 2.6 | 3.0 | 3.6 | 6.1 |
| 1.5 | 1.6 | 1.4 | 1.7 | 1.6 | 2.0 | 2.3 | 2.9 |
| 0.6 | 0.5 | 0.4 | 0.5 | 0.4 | 0.4 | 0.3 | 0.3 |
| 0.1 | 0.2 | 0.2 | 0.3 | 0.8 | 1.0 | 1.1 | 0.2 |

Prevalence

As of December 31st 2015, more than 252 000 individuals were alive and previously diagnosed with cancer in Norway. The cancer prevalence in Table 20 provides the numbers of cancer survivors a given number of years after diagnosis (<1, 1-4, 5-9 and ≥ 10 years), and approximates the number of patients in Norway (of both sexes) potentially requiring some form of cancer care. The highest 10-year prevalence occurs for breast cancer (19 573) followed by melanoma of the skin (10 744), prostate (8 866) and colon cancer (6 484).

Differences in prognosis, rather than incidence, and median age at diagnosis explain much of the site-specific variability in prevalence. In terms of new cases, there are almost twice as many lung cancers as melanoma in Norway, but the number of lung cancer survivors ten years after the diagnosis is less than 10% of the number of melanoma patients. This reflects the vast difference in survival between the two cancers.

Table 20 Prevalence of cancer 31.12.2005 and 31.12.2015, both sexes

| | | Total no. of pe | ersons alive | | Years after | diagnosis | |
|-----------------|---|-----------------|--------------|-------|-------------|-----------|-------|
| ICD10 | Site | 31.12.05 | 31.12.15 | <1 | 1-4 | 5-9 | 10- |
| C00-96 | All sites | 171781 | 252997 | 23617 | 71785 | 60355 | 97240 |
| C00-14 | Mouth, pharynx | 3323 | 4808 | 561 | 1519 | 1143 | 158 |
| C00 | Lip | 1184 | 1368 | 120 | 381 | 347 | 52 |
| C01-02 | Tongue | 535 | 946 | 127 | 342 | 207 | 27 |
| C03-06 | Mouth, other | 579 | 746 | 86 | 228 | 182 | 25 |
| C07-08 | Salivary glands | 449 | 592 | 69 | 141 | 122 | 26 |
| C09-14 | Pharynx | 602 | 1219 | 177 | 457 | 296 | 28 |
| C15-26 | Digestive organs | 26966 | 37569 | 4921 | 12114 | 8842 | 1169 |
| C15 | Oesophagus | 278 | 613 | 204 | 242 | 102 | 6 |
| C16 | Stomach | 1977 | 1969 | 304 | 565 | 387 | 71 |
| C17 | Small intestine | 541 | 1075 | 147 | 377 | 289 | 26 |
| C18 | Colon | 14778 | 20618 | 2478 | 6678 | 4978 | 648 |
| C19-20 | Rectum, rectosigmoid | 8427 | 11448 | 1227 | 3585 | 2819 | 381 |
| C21 | Anus | 526 | 708 | 66 | 212 | 175 | 25. |
| C22 | Liver | 185 | 494 | 140 | 198 | 75 | 8 |
| C23-24 | Gallbladder, bile ducts | 302 | 440 | 96 | 164 | 83 | 9 |
| C25 | Pancreas | 510 | 950 | 377 | 349 | 130 | 9 |
| C26 | Other digestive organs | 110 | 189 | 67 | 53 | 22 | 4 |
| C30-34, C38 | Respiratory organs | 5382 | 8513 | 2006 | 3223 | 1660 | 162 |
| C30-31 | Nose, sinuses | 264 | 345 | 35 | 111 | 87 | 113 |
| C32 | Larynx, epiglottis | 1060 | 1106 | 90 | 325 | 272 | 41 |
| C33-34 | Lung, trachea | 4025 | 7047 | 1888 | 2798 | 1296 | 106 |
| C38 | Heart, mediastinum and pleura | 58 | 59 | 6 | 9 | 11 | 3 |
| C40-41 | Bone | 569 | 781 | 52 | 137 | 144 | 448 |
| C43 | Melanoma of the skin | 15312 | 23393 | 1942 | 6149 | 4558 | 1074 |
| C44 | Skin, non-melanoma | 9738 | 14725 | 1780 | 5227 | 3647 | 407 |
| C45 | Mesothelioma | 100 | 136 | 56 | 57 | 13 | 10 |
| C47 | Autonomic nervous system | 222 | 252 | 10 | 27 | 35 | 18 |
| C48-49 | Soft tissues | 1137 | 1548 | 117 | 414 | 311 | 70 |
| C50 | Breast | 31364 | 44182 | 3332 | 11192 | 10085 | 1957 |
| C51-58 | Female genital organs | 19332 | 22561 | 1609 | 4683 | 4352 | 1191 |
| C53 | Cervix uteri | 6753 | 7102 | 348 | 1045 | 1018 | 4691 |
| C54 | Corpus uteri | 7787 | 10088 | 737 | 2356 | 2403 | 4592 |
| C55 | Uterus, other | 41 | 44 | 4 | 8 | 6 | 26 |
| C56, C57.0-4 | Ovary etc. | 4154 | 4575 | 434 | 1091 | 776 | 2274 |
| C51-52, C57.7-9 | Other female genital | 767 | 940 | 109 | 250 | 207 | 37 |
| C58 | Placenta | 141 | 151 | 1 | 13 | 8 | 129 |
| C60-63 | Male genital organs | 27223 | 52052 | 5178 | 18240 | 15193 | 1344 |
| C61 | Prostate | 21913 | 44458 | 4863 | 16957 | 13772 | 886 |
| C62 | Testis | 5031 | 7277 | 288 | 1223 | 1358 | 440 |
| C60, C63 | Other male genital | 344 | 505 | 54 | 133 | 128 | 190 |
| C64-68 | Urinary organs | 13679 | 19645 | 2335 | 6330 | 4745 | 623 |
| C64 | Kidney excl. renal pelvis | 3711 | 6404 | 764 | 2197 | 1592 | 185 |
| C65-68 | Urinary tract (renal pelvis, ureters, urinary bladder, and urethra) | 10028 | 13382 | 1597 | 4201 | 3185 | 4399 |
| C69 | Eye | 860 | 1073 | 82 | 244 | 197 | 550 |
| C70-72, D32-33 | Central nervous system | 8315 | 12919 | 792 | 2817 | 3308 | 6002 |
| C73 | Thyroid gland | 3842 | 5421 | 324 | 1131 | 961 | 300 |
| C37, C74-75 | Other endocrine glands | 2201 | 3868 | 168 | 918 | 1046 | 173 |
| C39, C76, C80 | Other or unspecified | 499 | 594 | 117 | 160 | 118 | 19 |
| C81-96 | Lymphoid and haematopoietic tissue | 12972 | 22182 | 2368 | 6914 | 5507 | 739 |
| C81 | Hodgkin lymphoma | 1897 | 2693 | 158 | 503 | 494 | 153 |
| C82-86, C96 | Non-Hodgkin lymphoma | 5377 | 9200 | 915 | 2805 | 2346 | 313 |
| C88 | Malignant immunoproliferative diseases | 319 | 586 | 51 | 237 | 177 | 12 |
| C90 | Multiple myeloma | 1298 | 1917 | 348 | 820 | 472 | 27 |
| | · · · · · · · · · · · · · · · · · · · | 4144 | 7972 | 930 | 0_0 | 2064 | |

Table 21 shows the number of patients with metastasis or local recurrence, alive at specific time points. Only patients with metastasis confirmed histologically are included. Patients with metastatic disease now live longer than before and they more often have diagnostic work-up and surgery for metastatic lesions. They are also given more chemotherapy than before. This patient group represents an increasing demand of personnel and costs in the health care system.

 Table 21
 Prevalence of patients diagnosed with a metastasis during lifetime, by health region, both sexes

| Health region | Alive by 31st of dec. 1990 | Alive by 31st of dec. 1995 | Alive by 31st of dec. 2000 | Alive by 31st of dec. 2005 | Alive by 31st of dec. 2010 | Alive by 31st of dec. 2015 |
|---------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|----------------------------|----------------------------|
| South East | 4 066 | 4 858 | 5 990 | 7 561 | 9 636 | 11 273 |
| West | 1 495 | 1 627 | 2 131 | 2 629 | 3 247 | 3 940 |
| Middle | 1 072 | 1 248 | 1 458 | 1 867 | 2 250 | 2 608 |
| North | 670 | 743 | 945 | 1 170 | 1 475 | 1 749 |
| Total | 7 303 | 8 476 | 10 524 | 13 227 | 16 608 | 19 570 |

Mortality

The mortality data is obtained from the Cause of Death Registry. Of note is that mortality data for 2015 was not complete when this report was published, and we therefore report figures for 2014.

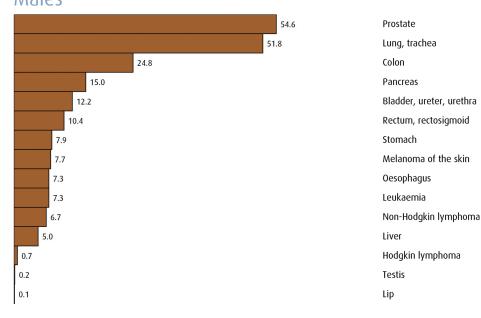
There were 10 971 deaths from cancer in Norway in 2014, of which 5 833 were men, and 5 138 women (Table 22). Cancers of the lung, colon, rectum, prostate and female breast account for half of the total cancer mortality.

For men, we see that mortality numbers for prostate cancer and lung cancer are almost equal: Lung cancer is responsible for 1 198 deaths and the corresponding number for prostate cancer is 1 093 deaths. Colon cancer (543 deaths) and pancreas cancer (349 deaths) represent the third and fourth most frequent cause of cancer death among men.

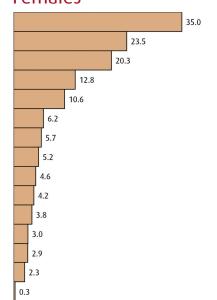
Lung cancer mortality also ranks highest among women (960 deaths). Breast cancer (663 deaths) and colon cancer (595 deaths), respectively, represent the second and third most frequent cause of cancer death among women. Figure 9 shows the distribution of age-standardised mortality rates for selected cancer sites. There is at least a 100-fold difference in rates across these cancers. Given the very poor prognosis for pancreatic cancer, it ranks among the top four causes of cancer death among both men and women, even though pancreatic cancer is a relatively rare cancer.

The trends section in this report examines the mortality, incidence and survival for 23 selected cancer sites.

Figure 9. Age-standardised (Norwegian standard) mortality rates per 100 000 person-years for selected cancers in Norway, 2014 Males



Females



Lung, trachea Breast Colon Pancreas Ovary Rectum, rectosigmoid Leukaemia Melanoma of the skin Non-Hodgkin lymphoma Stomach Bladder, ureter, urethra Liver Corpus uteri Cervix uteri

Hodgkin lymphoma

 Table 22
 Number of cancer deaths in Norway by primary site and sex. 2014

| ICD10 | Site | Males | Females | Total |
|-----------------|---|----------|----------|----------|
| C00-96 | All sites | 5833 | 5138 | 10971 |
| C00-14 | Mouth, pharynx | 69 | 41 | 110 |
| C00 | Lip | 2 | | 2 |
| C01-02 | Tongue | 18 | 5 | 23 |
| C03-06 | Mouth, other | 16 | 15 | 31 |
| C07-08 | Salivary glands | 4 | 8 | 12 |
| C09-14 | Pharynx | 29 | 13 | 42 |
| C15-26 | Digestive organs | 1691 | 1530 | 3221 |
| C15 | Oesophagus | 170 | 56 | 226 |
| C16 | Stomach | 179 | 122 | 301 |
| C17 | Small intestine | 29 | 30 | 59 |
| C18 | Colon | 543 | 595 | 1138 |
| C19-20 | Rectum, rectosigmoid | 231 | 177 | 408 |
| C21 | Anus | 9 | 8 | 17 |
| C22 | Liver | 120 | 84 | 204 |
| C23-24 | Gallbladder, bile ducts | 25 | 53 | 78 |
| C25 | Pancreas | 349 | 364 | 713 |
| C26 | Other digestive organs | 36 | 41 | 77 |
| C30-34, C38 | Respiratory organs | 1247 | 977 | 2224 |
| C30-31 | Nose, sinuses | 9 | 4 | 13 |
| C32 | Larynx, epiglottis | 32 | 7 | 39 |
| C33-34 | Lung, trachea | 1198 | 960 | 2158 |
| C38 | Heart, mediastinum and pleura | 8 | 6 | 14 |
| C40-41 | Bone | 16 | 9 | 25 |
| C43 | Melanoma of the skin | 178 | 144 | 322 |
| C44 | Skin, non-melanoma | 28 | 24 | 52 |
| C45 | Mesothelioma | 51 | 5 | 56 |
| C47 | Autonomic nervous system | 3 | 3 | 6 |
| C48-49 | Soft tissues | 40 | 37 | 77 |
| C50 | Breast | 6 | 663 | 669 |
| C51-58 | Female genital organs | | 579 | 579 |
| C53 | Cervix uteri | | 63 | 63 |
| C54 | Corpus uteri | | 81 | 81 |
| C55 | Uterus, other | | 85 | 85 |
| C56, C57.0-4 | Ovary etc. | | 297 | 297 |
| C51-52, C57.7-9 | Other female genital | | 53 | 53 |
| C58 | Placenta | | | |
| C60-63 | Male genital organs | 1107 | | 1107 |
| C61 | Prostate | 1093 | | 1093 |
| C62 | Testis | 4 | | 4 |
| C60, C63 | Other male genital | 10 | 242 | 10 |
| C64-68 | Urinary organs | 446 | 213 | 659 |
| C64 | Kidney excl. renal pelvis | 195 | 91 | 286 |
| C65-68 | Urinary tract (renal pelvis, ureters, urinary bladder, and urethra) | 251 3 | 122 5 | 373 |
| C69 | Eye | 231 | | 300 |
| C70-72, D32-33 | Central nervous system Thyroid gland | | 159 | 390 |
| C73 | Thyroid gland Other endocrine glands | 14 | 35 11 | 49 22 |
| C39, C76, C80 | Other or unspecified | 186 | 257 | 443 |
| C81-96 | Lymphoid and haematopoietic tissue | 506 | 445 | 951 |
| C81 | Hodgkin lymphoma | 16 | 8 | 24 |
| C82-86, C96 | Non-Hodgkin lymphoma | 151 | 134 | 285 |
| C88 | Malignant immunoproliferative diseases | 7 | 3 | 10 |
| C90 | Multiple myeloma | 122 | 130 | 252 |
| C91-95, D45-47 | Leukaemia | 210 | 170 | 380 |
| (91-95, 045-47 | LEUNGEIIIId | 210 | 170 | 380 |

Survival

Long-term estimates of survival are becoming increasingly relevant as life expectancy amongst cancer patients increases and cancer care continues to advance (Brenner & Hakulinen, 2002). Table 23 gives the 1-year, 5-year, 10-year and 15-year relative survival estimates (with 95% confidence intervals) for the follow-up period 2011–2015 by cancer site and sex. Less frequent cancer diagnoses and groups with low survival will have few cases left especially at 10 and 15 years after diagnosis, and the 95% confidence intervals should be taken into consideration in any interpretation of the relative survival estimates

Given that cancer patients survive longer, there is a need to communicate information about prognosis not only at the time of diagnosis, but also later because prognosis tends to improve for those surviving the first year(s) after diagnosis (Janssen-Heijnen & al, 2007).

Figures 10-A to 10-X depict these two aspects of cancer survival in Norway for all cancers combined and for 23 specific cancer types. Relative survival estimates are presented by sex and age, 1 to 15 years after diagnosis, with age strata determined specifically according to relevant biological and/or clinical criteria.

For some sites, the cumulative survival curves tend to level off a certain number of years after diagnosis, indicating that from this point forward, the cancer patient group has similar mortality to the group without cancer, or in other words, statistically, these patients appear to be "cured" (Lambert, 2007). This concept of "statistical cure" involves attributes of survival observed among patients as a group, and should be distinguished from clinical cure, as is determined on the basis of a lack of specific symptoms in an individual.

Estimates of five-year relative survival conditional on being alive 1 to 10 years after diagnosis are included in the sex-specific figures, and better quantify the prognosis of cancer patients at time points beyond the initial diagnosis (Figure 10-A to 10-X, dashed lines). When conditional five-year relative survival is above 90–95% we usually say that there is little or no excess mortality - analogous to the notion of statistical cure that may be observed in the long-term relative survival estimates.

The overall profile of the sex- and age-specific survival of all cancer patients 1 to 15 years after diagnosis in Norway is presented in Figure 10-A. As mentioned in the trends section, the combined cancer group is an aggregate of many different cancer types with different diagnostic and treatment possibilities. Survival estimates will be particularly influenced by PSA testing for prostate cancer and mammographic screening for female breast cancer.

The cumulative five-year relative survival described by cancer site, sex and age, and five-year conditional relative survival by site and age (Figures 10-B to 10-X) are fairly self-explanatory and highlight the wide variations in patient survival according to these three variables. The 90 percentage-point difference in fiveyear survival among patients with testicular cancer (Figure 10-Q) compared to patients with pancreatic cancer (Figure 10-I) strikingly illustrates the wide differential in prognosis according to type of cancer. Long-term survival following diagnosis of melanoma and cancers of the oral cavity, central nervous system and thyroid gland clearly varies between men and women. This may be due to biological or anatomical differences or may relate to sex-specific differences in stage at presentation, subsite or histological type, as well as levels of co-morbidity.

The overall cancer survival tends to diminish with increasing age at diagnosis, yet the age-specific differences are rather narrow for colon cancer (Figure 10-E) relative to, for example, cervix cancer (Figure 10-M) or non-Hodgkin lymphoma (Figure 10-W). For certain cancers, including breast and corpus uteri cancer, long-term survival among patients diagnosed under the age of 50 are slightly lower than for patients diagnosed at the age 50-59. This in part represents the diagnosis of more aggressive tumours in the younger age group, and, for breast cancer, the impact of screening in the older group.

The figures also illustrate a positive aspect of cancer survival; cancer patients who are alive a certain time after diagnosis show good prospects of surviving their cancer and being cured. In fact, for more than two-thirds of the cancer groups, the five-year conditional relative survival reaches 90% 2-5 years after diagnosis. In general terms, this means that survivors of these cancers will, within a few years of diagnosis, have mortality rates similar to that of the general population, and would be considered (statistically) cured. The extent to which survivors may be considered cured does however vary; five-year conditional survival from breast cancer reaches 90% 1 year after diagnosis (Figure 10-L) and slowly increases to about 93% 10 years from diagnosis. As is evident from the continual decline in long-term breast cancer cumulative survival, there remains a persistent excess mortality for women with this disease.

Table 23 provides the five-year relative survival estimates over the last four decades by stage, cancer site and sex. While the stage-specific count of cases by five-year period of diagnosis in Tables 18 a and b are not equivalent to the size of the patient groups used in the survival calculations, the numbers do provide a reasonable indication of the absolute number of patients involved in the survival analyses at different time periods and their relative distribution.

A visual description of survival trends in colon, breast and prostate cancer by stage was provided in the Special Issue in Cancer in Norway 2007.

 Table 23a
 Five-year relative survival by primary site, stage and period of diagnosis, 1976 - 2015

MALES

| | | | | | | Relative su | ırvival (%) | | | |
|-------------------|---|--|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|---------------------------------------|
| ICD10 | Site | Stage | 1976-80 | 1981-85 | 1986-90 | 1991-95 | 1996-00 | 2001-05 | 2006-10 | 2011-15* |
| C00-96 | All sites | Total | 40.0 | 43.2 | 46.0 | 51.1 | 56.7 | 61.5 | 68.0 | 71.1 |
| C00-14 | Mouth, pharynx | Total Localized Regional Distant Unknown | 60.7 80.5 27.6 | 58.1 79.0 26.5 | 57.5 77.4 30.2 - 40.7 | 54.2 80.7 27.4 10.5 37.6 | 55.9 79.4 37.0 9.5 57.2 | 54.6 79.4 41.7 11.7 56.9 | 62.7 80.5 51.1 9.9 74.8 | 67.1 82.7 60.7 14.1 51.2 |
| C15 | Oesophagus | Total Localized Regional Distant Unknown | 2.0 2.7 2.5 - | 4.6 6.3 6.4 | 4.7 9.7 5.3 - 4.7 | 5.5 15.7 4.3 - | 7.1 24.6 7.9 - 5.3 | 8.1 21.7 10.4 - 7.2 | 13.2 30.0 13.7 - 15.1 | 17.1 44.6 19.3 3.0 14.6 |
| C16 | Stomach | Total Localized Regional Distant Unknown | 17.4 39.5 20.4 1.4 4.8 | 16.9 35.9 18.6 2.1 4.5 | 19.1 45.0 20.4 0.9 9.6 | 17.7 48.9 17.9 0.4 16.2 | 18.7 58.4 19.8 1.9 19.2 | 19.5 52.4 21.5 1.4 24.0 | 23.6 51.3 23.3 4.1 31.0 | 24.3 55.9 30.2 2.9 21.4 |
| C18 | Colon | Total Localized Regional Distant Unknown | 41.7 70.6 49.9 6.4 11.9 | 47.9 77.1 54.7 4.8 24.8 | 47.5 78.2 57.3 4.3 22.9 | 49.9 81.7 60.5 4.3 31.1 | 55.4 93.5 67.9 6.0 48.2 | 56.4 87.8 71.0 8.1 52.4 | 59.9 90.0 77.0 11.2 45.4 | 60.6 91.5 78.9 12.9 19.2 |
| C19-20 | Rectum, rectosigmoid | Total Localized Regional Distant Unknown | 38.6 57.6 35.0 3.4 | 43.2 65.0 38.2 2.6 25.6 | 46.6 70.8 45.1 2.8 26.8 | 50.6 79.0 49.0 3.6 37.3 | 56.7 83.6 63.9 9.9 50.0 | 59.4 87.3 68.7 10.5 56.5 | 65.8 90.1 79.3 16.6 50.4 | 68.2 93.2 81.9 18.2 40.7 |
| C22 | Liver | Total Localized Regional Distant Unknown | 5.7 8.7 - - | 2.5 5.2 - - | 2.8 4.4 - - | 8.0 15.7 - - 4.0 | 6.8 19.7 - - | 7.9 13.1 - - 7.5 | 13.8 25.3 - 2.7 15.7 | 16.7 36.0 5.3 1.2 12.8 |
| C23-24 | Gallbladder, bile ducts | Total Localized Regional Distant Unknown | 8.6 11.1 - - | 11.1 16.8 - | 12.6 14.4 - | 8.8 18.0 10.7 | 15.7 - 24.5 - 11.6 | 16.7 44.2 16.8 - | 16.2 23.2 24.8 | 19.0 35.2 26.5 |
| C25 | Pancreas | Total Localized Regional Distant Unknown | 1.6 4.2 2.5 0.5 7.3 | 1.7 2.3 3.3 0.3 | 1.9 4.9 4.3 1.0 | 2.5 5.2 7.2 1.1 1.8 | 3.1 15.0 6.9 1.4 1.6 | 4.4 17.0 5.7 2.2 3.7 | 5.0 18.2 7.4 1.8 6.8 | 6.4 30.6 8.4 2.1 8.5 |
| C33-34 | Lung, trachea | Total Localized Regional Distant Unknown | 6.1 12.5 5.6 0.9 4.1 | 7.2 16.4 8.1 0.6 2.1 | 7.5 15.9 9.8 0.6 3.8 | 8.1 19.4 9.4 0.6 6.8 | 8.5 31.2 8.7 0.5 5.4 | 9.6 37.9 11.1 1.3 8.0 | 12.2 41.6 14.7 1.7 11.7 | 14.4 43.9 18.0 1.7 9.7 |
| C43 | Melanoma of the skin | Total Localized Regional Distant Unknown | 59.9 69.2 17.8 12.6 | 67.4 76.8 28.3 | 69.3 77.5 27.0 8.2 44.3 | 74.6 82.4 37.7 10.3 62.5 | 75.3 83.6 34.7 10.1 73.1 | 75.7 85.6 47.2 10.7 75.8 | 77.1 85.7 37.3 9.6 74.7 | 81.6 88.8 44.2 16.8 54.2 |
| C61 | Prostate | Total Localized Regional Distant Unknown | 56.1 71.2 40.4 18.8 42.4 | 57.3 73.7 38.1 18.8 51.7 | 57.5 73.0 51.9 25.3 59.1 | 65.7 77.9 62.1 21.5 69.0 | 78.2 94.4 69.8 24.2 81.6 | 84.0 96.5 77.2 28.5 86.5 | 90.7 99.9 91.7 33.2 92.8 | 92.9 101.3 93.2 34.1 96.2 |
| C62 | Testis | Total Localized Regional Distant Unknown | 82.6 95.1 83.7 44.4 | 92.2 98.0 95.3 69.3 | 93.9 98.4 96.1 74.3 | 95.9 99.4 95.2 74.7 | 96.9 99.2 98.3 81.1 101.0 | 96.8 99.3 95.6 85.7 96.5 | 98.1 99.9 96.3 87.4 99.1 | 98.1 99.3 95.8 88.5 |
| C64 | Kidney excl. renal pelvis | Total Localized Regional Distant Unknown | 39.2 71.9 44.1 4.7 | 41.9 72.7 46.2 5.9 | 42.7 70.0 47.0 5.7 | 51.3 77.1 53.2 5.2 29.2 | 49.8 76.2 51.2 7.6 51.3 | 59.7 85.7 52.1 6.9 59.2 | 64.9 85.7 57.6 10.3 68.8 | 70.3 87.9 58.3 8.7 49.9 |
| C65-68 | Urinary tract (renal pelvis, ureters, urinary bladder, and urethra) | Total Localized Regional Distant Unknown | 59.2 68.7 29.1 0.7 27.4 | 63.2 71.4 23.0 2.2 58.7 | 66.5 73.0 26.6 7.5 68.1 | 69.4 76.0 25.0 5.4 67.4 | 68.4 78.5 26.9 4.5 68.7 | 71.6 84.6 25.3 7.6 70.8 | 73.5 84.1 32.0 4.3 74.5 | 76.1 83.3 31.1 5.3 80.6 |
| C70-72, D32-33 | Central nervous system | Total Non-malignant Malignant | 30.4 59.1 17.7 | 34.9 71.7 18.1 | 38.6 76.4 23.0 | 44.8 80.5 21.4 | 51.9 89.8 20.4 | 59.6 93.1 21.5 | 61.7 92.8 25.6 | 61.2 93.8 25.6 |
| C73 | Thyroid gland | Total Localized Regional Distant Unknown | 76.4 92.9 79.9 - | 83.1 100.2 85.5 | 73.3 90.1 83.0 | 75.4 97.9 84.0 - | 79.9 98.9 82.1 - | 85.8 97.4 89.3 | 84.4 96.9 89.0 | 89.8 96.9 91.1 - |
| C81 | Hodgkin lymphoma | Total | 56.9 | 67.1 | 73.5 | 79.6 | 85.4 | 85.4 | 82.9 | 84.9 |
| C82-86,96 | Non-Hodgkin lymphoma | Total | 38.2 | 41.0 | 45.2 | 46.0 | 49.7 | 59.3 | 64.8 | 70.8 |
| C91-95, 45-47 | | Total | 22.9 | 25.3 | 33.8 | 40.5 | 45.7 | 53.9 | 58.9 | 60.3 |
| / /. Not octim | ated due to few patients in | the group (CEO s | ationts at star | t of intorval 0 | 1 or < E at o | tart of lator in | toruals) | | | |

^{&#}x27;-': Not estimated due to few patients in the group (<50 patients at start of interval 0-1, or <5 at start of later intervals).

^{*} For 2011-2015 the 5-year relative survial estimates are based on the period approach (observation window 2011-2015).

 Table 23b
 Five-year relative survival by primary site, stage and period of diagnosis, 1976 - 2015

FEMALES

| | | | Relative survival (%) | | | | | | | |
|--------------------|--|------------------------|-----------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| 16040 | 61 | | 4074.00 | 4004.05 | 4004.00 | 1991- | 1004.00 | 2004.05 | 2004.40 | 2044.45* |
| C00-96 | Site All sites | Stage Total | 1976-80 49.8 | 1981-85 52.6 | 1986-90 55.0 | 95 58.2 | 1996-00 61.6 | 2001-05 64.6 | 2006-10 67.8 | 2011-15 * |
| C00-90 | All sites | Total | 55.7 | 57.5 | 58.9 | 64.5 | 58.4 | 64.5 | 69.3 | 74.0 |
| C00-14 | Mouth, pharynx | Localized Regional | 68.9 38.0 | 74.2 38.9 | 71.2 45.3 | 82.8 40.3 | 81.6 37.5 | 83.8 51.4 | 83.1 55.8 | 87.7 62.1 |
| | , , | Distant Unknown | - | - | - | - 48.9 | - 52.4 | 68.7 | - 77.3 | - 65.2 |
| | | Total | 7.7 | 11.5 | 7.7 | 10.1 | 9.5 | 8.6 | 12.9 | 17.7 |
| C15 | Oesophagus | Localized Regional | 12.5 | 14.9 | 14.7 | 17.3 | - | 19.1 8.5 | 38.7 16.0 | 41.3 22.3 |
| | . 3 | Distant Unknown | - | - | - | 10.0 | 7.4 | 8.7 | 7.7 | 6.4 |
| | | Total | 15.2 | 19.2 | 21.5 | 21.7 | 24.9 | 22.6 | 23.9 | 24.6 |
| C16 | Stomach | Localized Regional | 38.8 16.0 | 46.9 19.0 | 47.7 24.8 | 56.8 26.5 | 71.2 33.8 | 60.5 21.8 | 58.6 22.7 | 58.3 26.7 |
| | | Distant Unknown | 1.4 5.8 | 0.7 11.8 | 1.0 11.4 | 1.4 15.6 | 3.2 16.2 | 3.8 24.3 | 3.5 30.8 | 2.8 24.8 |
| | | Total | 42.5 | 47.6 | 50.6 | 52.9 | 57.3 | 58.9 | 63.3 | 66.2 |
| C18 | Colon | Localized Regional | 69.9 52.6 | 77.4 55.8 | 79.9 60.6 | 84.5 61.6 | 89.2 69.9 | 92.0 71.7 | 95.2 78.0 | 96.1 81.5 |
| | | Distant Unknown | 4.0 16.0 | 4.1 13.3 | 4.3 22.3 | 4.9 27.3 | 8.9 41.5 | 9.8 49.3 | 13.4 40.0 | 15.5 17.1 |
| | | Total | 43.5 | 46.8 | 50.5 | 56.0 | 58.8 | 64.6 | 65.8 | 67.7 |
| C19-20 | Rectum, rectosigmoid | Localized Regional | 66.4 37.4 | 70.7 41.0 | 76.5 49.9 | 80.1 57.8 | 95.3 62.4 | 91.9 72.5 | 96.0 75.8 | 97.4 79.3 |
| | | Distant Unknown | 6.9 | 3.8 27.3 | 2.2 24.5 | 5.7 43.0 | 6.9 50.3 | 10.8 61.2 | 17.8 50.6 | 21.3 35.8 |
| | | Total | - | 5.4 | 6.1 | 9.8 | 8.0 | 12.3 | 15.4 | 19.6 |
| C22 | Liver | Localized Regional | - | 11.0 | 12.6 | 24.0 | - | 22.2 | 34.4 | 41.0 7.6 |
| | | Distant Unknown | - | - | - | 6.7 | - | 11.8 | 10.7 | 8.9 |
| | | Total | 9.6 | 10.4 | 10.7 | 9.4 | 12.2 | 9.6 | 15.4 | 14.4 |
| C23-24 | Gallbladder, bile ducts | Localized Regional | 21.6 9.6 | 23.5 11.1 | 13.4 17.0 | 22.2 9.7 | 18.7 | 21.0 25.1 | 30.3 23.8 | 23.7 28.6 |
| | | Distant Unknown | - | - | 6.5 | - | 2.5 8.4 | 4.3 | 1.6 8.5 | 0.8 |
| | | Total | 2.1 | 1.8 | 2.3 | 3.2 | 3.5 | 3.4 | 6.3 | 7.7 |
| C25 | Pancreas | Localized Regional | 4.5 6.0 | 4.0 4.9 | 6.2 4.0 | 11.1 4.9 | 16.2 3.9 | 18.5 4.5 | 22.6 6.4 | 29.1 11.1 |
| | | Distant Unknown | 1.1 | 0.7 | 0.3 | 0.9 2.2 | 1.0 5.2 | 1.2 3.8 | 2.5 8.3 | 2.4 2.1 |
| | | Total Localized | 11.2 24.5 | 7.3 20.5 | 8.9 23.3 | 11.5 31.0 | 12.3 45.5 | 13.3 50.1 | 17.4 52.9 | 20.9 56.7 |
| C33-34 | Lung, trachea | Regional | 12.1 | 4.8 | 9.3 | 13.8 | 11.6 | 14.6 | 19.4 | 23.6 |
| | | Distant Unknown | 1.6 13.0 | 0.3 6.5 | 1.2 6.3 | 1.4 6.1 | 1.5 11.1 | 1.7 15.3 | 2.6 17.1 | 2.7 17.3 |
| | | Total Localized | 79.3 85.4 | 80.9 87.6 | 86.5 91.0 | 87.2 91.7 | 88.7 95.7 | 87.1 93.6 | 87.8 92.9 | 89.4 93.1 |
| C43 | Melanoma of the skin | Regional | - | 35.1 | 44.6 | 41.7 | 54.7 | 53.0 | 50.0 | 60.2 |
| | | Distant Unknown | 16.4 | 3.1 69.1 | 13.2 69.7 | 17.2 79.7 | 16.8 84.9 | 22.2 84.9 | 32.3 83.3 | 29.3 70.2 |
| | | Total I | 71.0 86.7 | 73.6 86.6 | 74.9 92.9 | 77.0 95.6 | 84.4 97.8 | 86.4 99.0 | 87.8 99.6 | 89.0 100.2 |
| C50 | Breast | II III | 60.2 47.1 | 65.4 46.1 | 73.9 47.9 | 76.2 51.6 | 84.8 60.2 | 87.5 66.3 | 91.0 73.0 | 92.3 76.0 |
| | | IV | 14.6 | 15.3 | 19.2 | 19.8 | 17.1 | 18.3 | 22.6 | 25.5 |
| | | Unknown Total | 61.6 72.3 | 77.5 71.3 | 74.6 68.5 | 78.5 72.6 | 83.1 74.1 | 79.3 77.5 | 62.1 77.4 | 64.2 80.6 |
| | 1 | | 88.7 61.1 | 87.1 59.1 | 85.7 56.6 | 86.0 59.4 | 91.9 59.6 | 93.6 73.6 | 93.2 72.3 | 92.7 79.8 |
| C53 | Cervix uteri ¹ | III IV | 32.1 6.8 | 32.8 5.9 | 26.9 20.8 | 37.6 23.2 | 38.9 9.8 | 42.1 19.4 | 52.0 18.6 | 52.8 24.7 |
| | | Unknown | - | - | - | 25.2 | 7.0 | 17.4 | - | - |
| | | Total Localized | 72.7 82.8 | 70.3 82.8 | 71.6 82.9 | 76.1 88.4 | 78.5 91.4 | 80.7 91.1 | 82.9 94.6 | 83.4 95.4 |
| C54 | Corpus uteri | Regional Distant | 57.8 18.4 | 51.5 23.0 | 61.9 22.7 | 56.9 32.4 | 70.2 31.8 | 74.5 35.1 | 64.5 39.6 | 59.3 36.2 |
| | | Unknown | - | 33.7 | - | 54.4 | 73.2 | 84.1 | 80.0 | 64.7 |
| | | Total Localized | 34.8 79.9 | 34.7 79.8 | 35.6 83.2 | 37.7 84.7 | 42.4 90.0 | 42.9 87.8 | 45.0 89.0 | 48.1 93.2 |
| C56, C57.0-4 | Ovary etc. | Regional Distant | 40.7 16.6 | 44.5 15.5 | 48.8 15.8 | 48.2 18.7 | 61.9 25.7 | 70.3 27.7 | 67.0 31.6 | 61.6 34.2 |
| | | Unknown | - | 35.8 | 19.6 | 31.6 | 51.4 | 54.4 | 44.8 | 37.5 |
| | | Total Localized | 40.1 69.8 | 43.5 70.6 | 50.3 78.8 | 54.8 78.8 | 53.0 82.0 | 61.4 85.9 | 70.9 89.0 | 73.2 90.1 |
| C64 | Kidney excl. renal pelvis | Regional Distant | 39.4 2.6 | 43.0 5.2 | 48.6 7.5 | 47.3 4.3 | 47.4 9.7 | 47.3 10.4 | 43.7 13.7 | 43.9 11.5 |
| | | Unknown | - | - | - | 30.2 | 47.4 | 56.6 | 74.9 | 54.7 |
| | Urinary tract (renal pelvis, | Total Localized | 48.0 62.6 | 54.4 67.0 | 59.7 68.3 | 59.6 70.0 | 60.4 78.4 | 60.2 77.9 | 64.8 76.0 | 68.2 77.0 |
| C65-68 | ureters, urinary bladder, and urethra) | Regional Distant | 11.5 | 13.9 5.5 | 14.0 | 21.8 4.9 | 28.2 2.9 | 22.2 7.0 | 24.0 7.7 | 24.0 7.3 |
| | | Unknown | - | 36.4 | 64.8 | 53.4 | 59.5 | 60.5 | 70.7 | 70.5 |
| C70-72, D32-33 | Central nervous system | Total Non-malignant | 40.2 72.8 | 48.7 84.6 | 56.0 83.0 | 59.6 85.9 | 67.8 90.9 | 75.0 93.0 | 77.6 94.7 | 76.5 95.6 |
| | | Malignant | 14.9 | 20.4 | 26.9 | 25.9 | 25.5 | 27.2 | 28.7 | 28.9 |
| c=2 | wi | Total Localized | 86.9 95.7 | 86.3 94.6 | 88.8 95.4 | 90.7 98.0 | 86.5 101.8 | 91.0 103.0 | 92.3 101.3 | 92.9 98.2 |
| C73 | Thyroid gland | Regional Distant | 85.3 25.3 | 83.8 | 86.0 | 88.6 33.3 | 83.3 | 89.7 | 91.1 | 91.5 |
| C01 | Hodakia lumaha | Unknown | 74.0 | - 40 F | 77.4 | 70.5 | 73.1 | 76.9 | 80.1 | - 00.0 |
| C81 C82-86, C96 | Hodgkin lymphoma Non-Hodgkin lymphoma | Total Total | 71.8 | 68.5 47.3 | 77.4 53.3 | 78.5 51.2 | 87.6 55.3 | 85.4 62.2 | 85.8 71.2 | 88.9 75.1 |
| C91-95, D45-47 | Leukaemia | Total | 23.8 | 28.3 | 31.5 | 44.9 | 49.5 | 56.4 | 63.7 | 65.1 |
| , | | | 25.0 | 20.3 | 51.5 | . 1.7 | 77.5 | 50.7 | 35.7 | 05.1 |

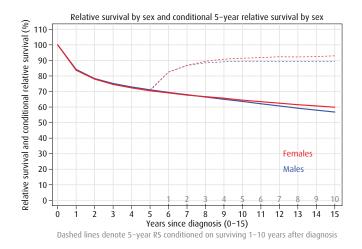
¹ The Cancer in Norway reports from 2015 to 2018 contained an error in staging of cervical cancer, and the numbers given in this table are incorrect. For more details see: https://www.kreftregisteret.no/Generelt/Rapporter/Cancer-in-Norway/erratum-for-cancer-in-norway/

 Table 24
 1-, 5-, 10,- and 15-year relative survival proportion (95% confidence interval) by cancer site and sex, period approach follow-up, 2011 - 2015

| ICD10 | Site | Sex | 1-1 | year | 5- | уеаг | 10 | -уеаг | 15 | -уеаг |
|-------------------|---|--------|--------------|------------------------------|--------------|------------------------------|--------------|------------------------------|--------------|------------------------------|
| C00-14 | Mouth, pharynx | M F | 84.3 88.4 | (82.4, 86.1) (85.9, 90.4) | 67.1 74.0 | (64.2, 69.8) (70.1, 77.6) | 54.0 64.2 | (49.9, 58.0) (58.2, 69.5) | 46.9 54.0 | (41.0, 52.6) (43.8, 63.0) |
| C15 | Oesophagus | M F | 45.7 46.0 | (42.6, 48.8) (40.8, 51.1) | 17.1 17.7 | (14.5, 19.9) (13.0, 23.0) | 14.2 11.5 | (11.1, 17.6) (7.2, 16.7) | 13.9 10.8 | (9.5, 19.1) (5.4, 18.6) |
| C16 | Stomach | M F | 52.0 47.8 | (49.5, 54.5) (44.5, 51.1) | 24.3 24.6 | (21.9, 26.8) (21.5, 27.9) | 20.3 22.1 | (17.5, 23.2) (18.4, 26.1) | 17.9 19.9 | (14.6, 21.5) (14.8, 25.7) |
| C18 | Colon | M F | 79.2 81.2 | (78.0, 80.2) (80.2, 82.2) | 60.6 66.2 | (58.9, 62.2) (64.7, 67.7) | 55.6 61.2 | (53.0, 58.0) (58.8, 63.6) | 49.7 57.0 | (45.0, 54.1) (51.9, 61.7) |
| C19-20 | Rectum, rectosigmoid | M F | 88.2 86.6 | (87.0, 89.3) (85.1, 87.9) | 68.2 67.7 | (66.1, 70.1) (65.4, 69.8) | 58.2 64.0 | (55.2, 61.1) (60.9, 66.9) | 56.6 60.7 | (51.3, 61.5) (55.7, 65.3) |
| C22 | Liver | M F | 37.8 42.7 | (34.0, 41.6) (37.7, 47.5) | 16.7 19.6 | (13.6, 20.1) (15.1, 24.6) | 11.9 17.9 | (8.3, 16.4) (12.9, 23.7) | 10.1 12.5 | (5.7, 16.3) (7.4, 19.2) |
| C23-24 | Gallbladder, bile ducts | M F | 55.5 41.1 | (50.1, 60.5) (36.9, 45.4) | 19.0 14.4 | (14.6, 24.0) (11.2, 18.1) | 17.2 12.2 | (12.2, 23.0) (8.6, 16.4) | 14.4 10.7 | (8.1, 22.4) (7.0, 15.4) |
| C25 | Pancreas | M F | 26.6 25.2 | (24.6, 28.6) (23.3, 27.1) | 6.4 7.7 | (5.2, 7.8) (6.4, 9.2) | 4.9 6.3 | (3.6, 6.3) (4.9, 7.9) | 3.2 4.3 | (2.0, 4.8) (2.9, 6.1) |
| C33-34 | Lung, trachea | M F | 39.4 48.1 | (38.3, 40.5) (46.9, 49.3) | 14.4 20.9 | (13.5, 15.3) (19.8, 22.0) | 8.6 14.5 | (7.7, 9.5) (13.3, 15.8) | 6.2 10.8 | (5.1, 7.3) (9.2, 12.6) |
| C43 | Melanoma of the skin | M F | 95.5 97.7 | (94.6, 96.2) (97.0, 98.3) | 81.6 89.4 | (79.8, 83.3) (87.8, 90.8) | 75.8 86.6 | (72.6, 78.7) (84.1, 88.8) | 68.0 85.9 | (62.3, 73.1) (81.6, 89.2) |
| C50 | Breast | F | 97.8 | (97.5, 98.1) | 89.0 | (88.3, 89.7) | 81.2 | (80.1, 82.2) | 76.1 | (74.7, 77.5) |
| C53 | Cervix uteri | F | 92.8 | (91.3, 94.0) | 80.6 | (78.5, 82.6) | 76.3 | (73.8, 78.6) | 71.5 | (68.9, 74.0) |
| C54 | Corpus uteri | F | 93.4 | (92.5, 94.3) | 83.4 | (81.6, 84.9) | 79.1 | (76.5, 81.4) | 75.2 | (71.0, 78.9) |
| C56, C57.0-4 | Ovary etc. | F | 79.0 | (77.3, 80.6) | 48.1 | (45.9, 50.3) | 37.3 | (34.9, 39.6) | 33.1 | (30.4, 35.8) |
| C61 | Prostate | M | 99.1 | (98.8, 99.3) | 92.9 | (92.3, 93.6) | 83.3 | (82.1, 84.3) | 72.1 | (70.1, 74.0) |
| C62 | Testis | М | 99.0 | (98.2, 99.4) | 98.1 | (96.9, 98.8) | 97.8 | (96.2, 98.8) | 97.6 | (95.4, 98.8) |
| C64 | Kidney excl. renal pelvis | M F | 85.6 84.8 | (84.0, 86.9) (82.5, 86.7) | 70.3 73.2 | (68.0, 72.5) (70.1, 76.0) | 58.9 65.1 | (55.6, 62.0) (61.2, 68.7) | 52.8 55.1 | (47.6, 57.8) (49.5, 60.4) |
| C65-68 | Urinary tract (renal pelvis, ureters, urinary bladder, and urethra) | M F | 89.1 82.1 | (88.1, 90.1) (80.2, 83.8) | 76.1 68.2 | (74.2, 77.8) (65.3, 70.9) | 66.8 64.7 | (63.7, 69.6) (59.7, 69.2) | 58.9 51.8 | (53.0, 64.3) (43.1, 59.8) |
| C70-72, D32-33 | Central nervous system | M F | 78.1 86.7 | (76.5, 79.7) (85.3, 87.9) | 61.2 76.5 | (59.1, 63.3) (74.7, 78.3) | 57.4 72.9 | (54.9, 59.9) (70.7, 74.9) | 51.6 69.1 | (48.3, 54.8) (66.2, 71.9) |
| C73 | Thyroid gland | M F | 93.0 95.5 | (89.9, 95.2) (94.0, 96.7) | 89.8 92.9 | (84.9, 93.2) (90.7, 94.7) | 85.9 90.4 | (77.4, 91.4) (86.8, 93.0) | 84.4 85.4 | (69.4, 92.4) (80.0, 89.4) |
| C81 | Hodgkin lymphoma | M F | 91.7 96.9 | (88.6, 94.0) (94.2, 98.4) | 84.9 88.9 | (80.8, 88.2) (84.8, 91.9) | 81.4 87.0 | (76.5, 85.3) (81.6, 90.9) | 78.0 85.0 | (72.0, 82.9) (78.1, 89.9) |
| C82-86, C96 | Non-Hodgkin lymphoma | M F | 83.3 85.0 | (81.7, 84.7) (83.4, 86.5) | 70.8 75.1 | (68.6, 72.9) (72.7, 77.2) | 59.8 64.9 | (56.4, 63.0) (61.8, 67.8) | 51.5 56.3 | (45.6, 57.1) (50.8, 61.5) |
| C91-95, D45-47 | Leukaemia | M F | 80.6 79.0 | (79.0, 82.1) (77.1, 80.7) | 60.3 65.1 | (58.2, 62.4) (62.7, 67.3) | 47.1 52.6 | (44.4, 49.8) (49.6, 55.5) | 38.6 45.4 | (34.3, 42.8) (40.0, 50.7) |

Figure 10. Relative survival (RS) up to 15 years after diagnosis by sex and age (2011–15)

Figure 10A: All sites (ICD10 C00-96, D32-33, D35.2-35.4, D42-43, D44.3-44.5, D45-47)



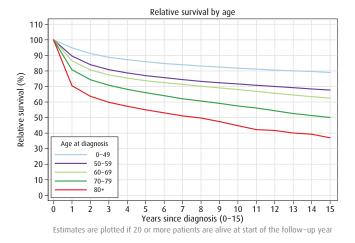
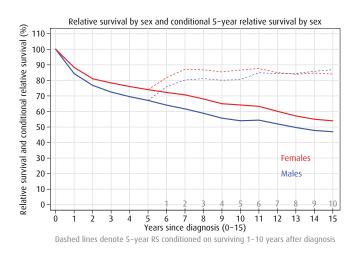


Figure 10B: Mouth, pharynx (ICD-10 C00-14)



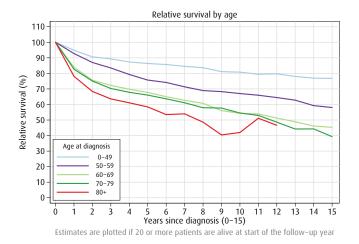
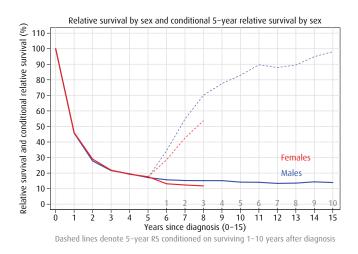


Figure 10C: Oesophagus (ICD-10 C15)



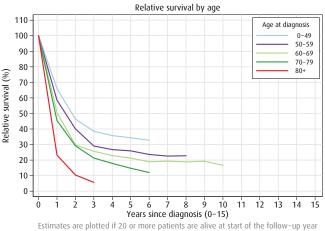
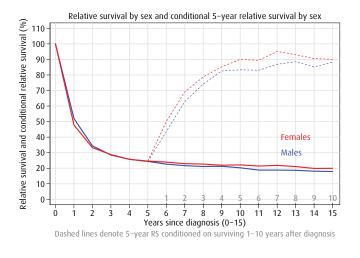


Figure 10. Relative survival (RS) up to 15 years after diagnosis by sex and age (2011–15)

Figure 10D: Stomach (ICD-10 C16)



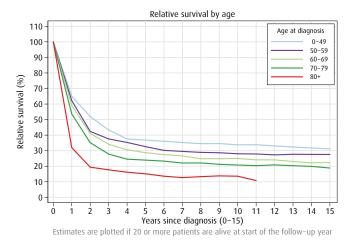
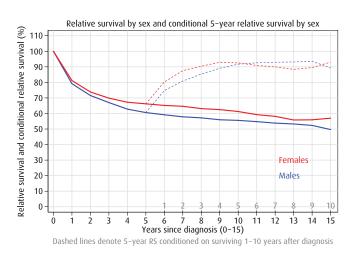


Figure 10E: Colon (ICD-10 C18)



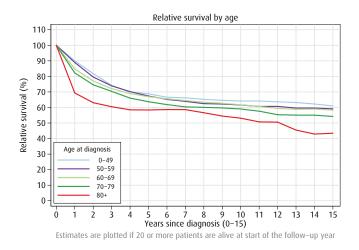
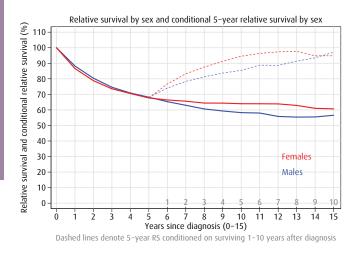


Figure 10F: Rectum, rectosigmoid (ICD-10 C19-20)



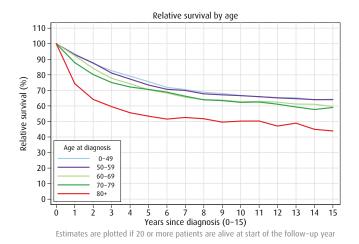
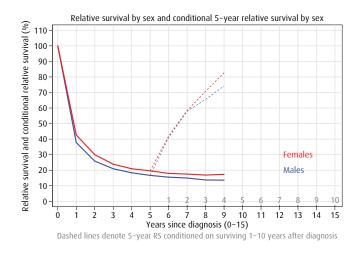


Figure 10. Relative survival (RS) up to 15 years after diagnosis by sex and age (2011–15) Figure 10G: Liver (ICD-10 C22)



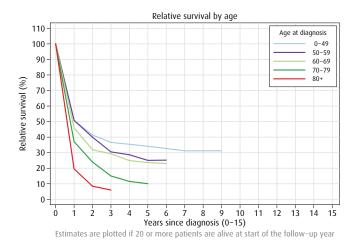
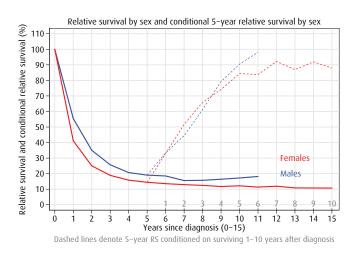


Figure 10H: Gallbladder, bile ducts (ICD-10 C23-24)



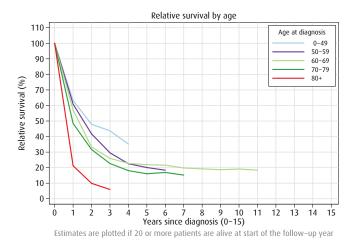
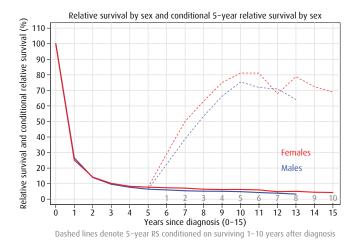
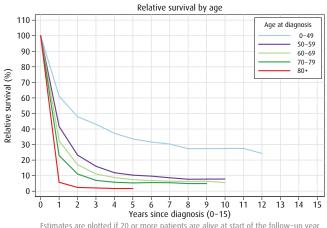


Figure 10I: Pancreas (ICD-10 C25)

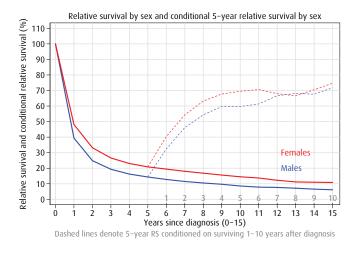




Estimates are plotted if 20 or more patients are alive at start of the follow-up year

Figure 10. Relative survival (RS) up to 15 years after diagnosis by sex and age (2011–15)

Figure 10J: Lung, trachea (ICD-10 C33–34)



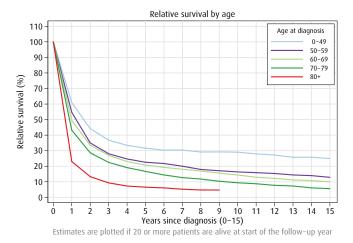
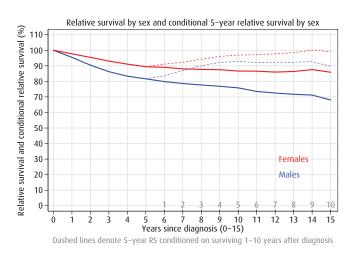


Figure 10K: Melanoma of the skin (ICD-10 C43)



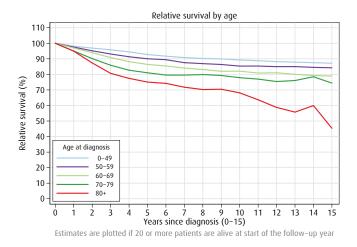
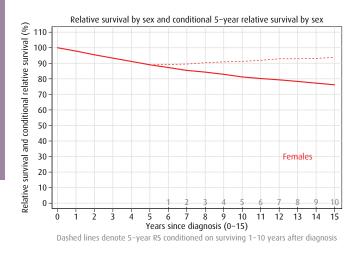


Figure 10L: Breast (ICD-10 C50)



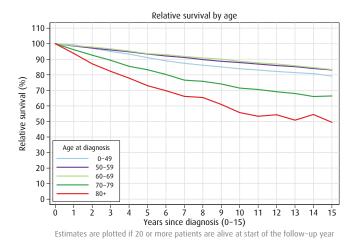


Figure 10. Relative survival (RS) up to 15 years after diagnosis by sex and age (2011–15)

Figure 10M: Cervix uteri (ICD-10 C53)



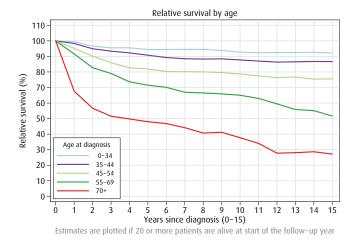
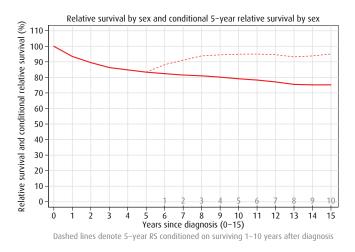


Figure 10N: Corpus uteri (ICD-10 C54)



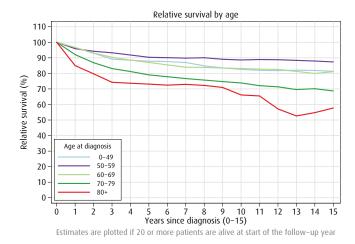
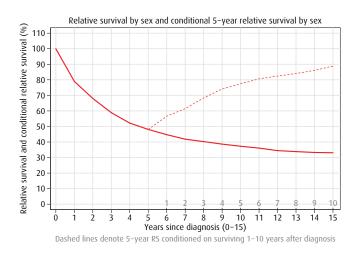
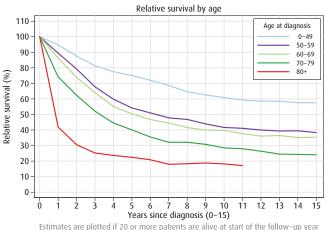


Figure 100: Ovary (ICD-10 C56, C57.0-4)

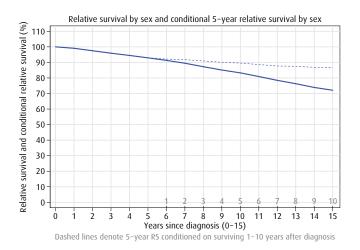




Estimates are plotted if 20 or more patients are alive at start of the follow-up year

Figure 10. Relative survival (RS) up to 15 years after diagnosis by sex and age (2011–15)

Figure 10P: Prostate (ICD-10 C61)



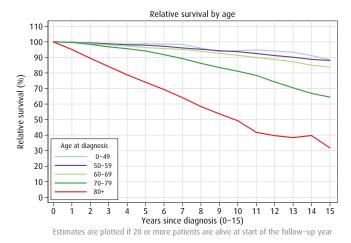
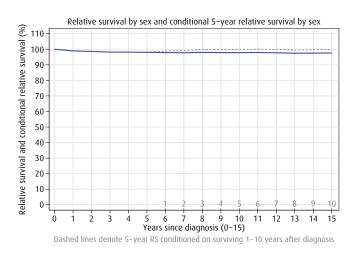


Figure 10Q: Testis (ICD-10 C62)



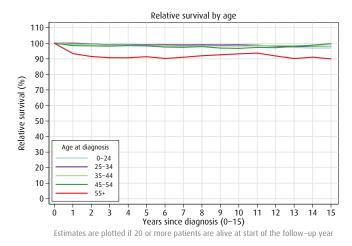
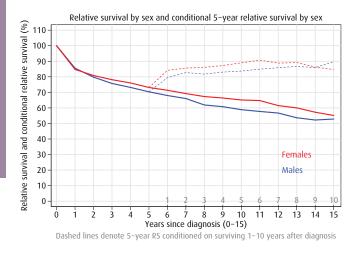
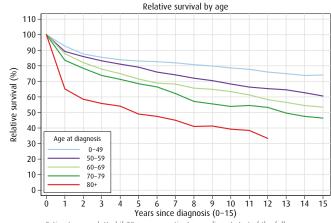


Figure 10R: Kidney excluding renal pelvis (ICD-10 C64)

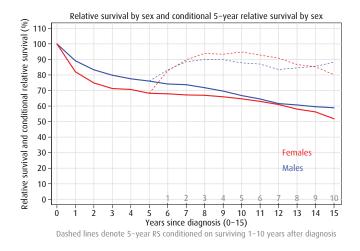




Estimates are plotted if 20 or more patients are alive at start of the follow-up year

Figure 10. Relative survival (RS) up to 15 years after diagnosis by sex and age (2011–15)

Figure 10S: Urinary tract (renal pelvis, ureters, urinary bladder, and urethra) (ICD-10 C65-68)



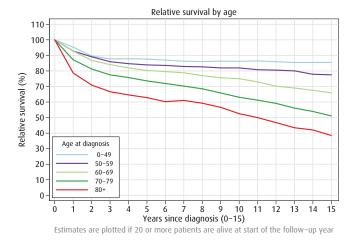
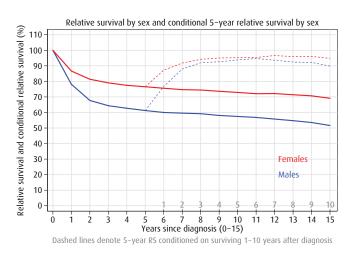


Figure 10T: Central nervous system (ICD-10 C70-72, D32-33, D42-43)



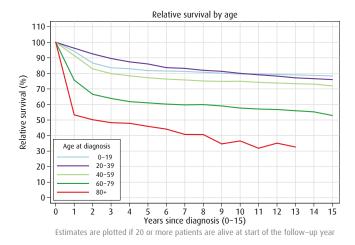


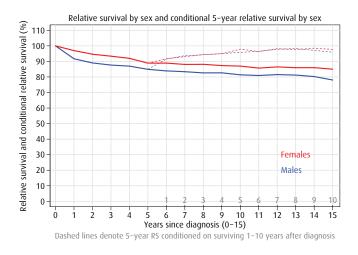
Figure 10U: Thyroid gland (ICD-10 C73)





Figure 10. Relative survival (RS) up to 15 years after diagnosis by sex and age (2011–15)

Figure 10V: Hodgkin lymphoma (ICD-10 C81)



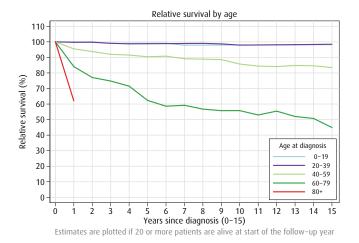
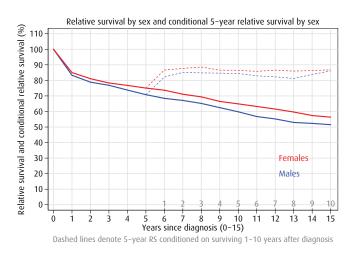


Figure 10W: Non-Hodgkin lymphoma (ICD-10 C82-86, C96)



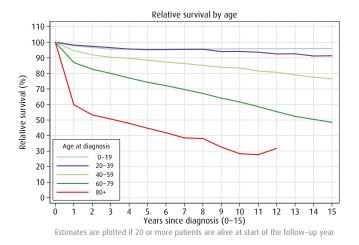
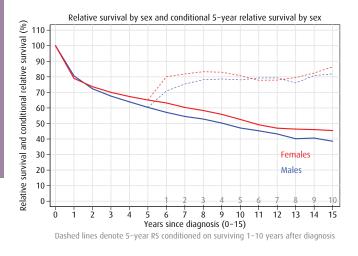
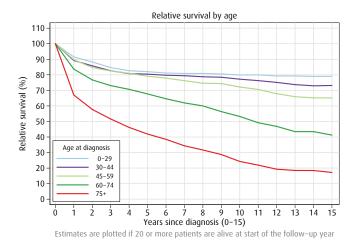


Figure 10X: Leukaemia (ICD-10 C91-95, D45-47)





Trends in incidence, mortality and survival, Norway 1965–2015

There has been considerable discussion as to the relative merits of incidence, mortality and survival analysis in cancer research generally, and in time trend analysis specifically (Boyle, 1989; Coleman, 2000; Doll & Peto, 1981; Peto & al, 2000). Analysing trends in incidence may provide some insight into changes in the incidence and distribution of risk factors, and the impact of interventions and screening aimed at prevention and early diagnosis. Mortality rates and survival proportions are both key measures of disease outcome, and may alert us to the beneficial effects of screening, more effective therapies or better disease management.

The contribution of artefacts to the observed cancer incidence and mortality trends have been comprehensively addressed (Saxen,1982; Muir & al, 1994). Others have investigated the accuracy of death certificates (e.g. Percy & al, 1981; Alfsen & al, 2010). Apart from artefacts related to registration practices, many of the factors that affect incidence also apply to mortality, given that both rely on the accuracy of the initial cancer diagnosis. As with incidence, survival estimates may be affected by changes in diagnostic methods and disease classifications, as well as the extent of cancer screening that detect cases in an earlier stage of the disease.

There is a general consensus that a combined description of trends in incidence, mortality and survival aids our understanding of the underlying biological, epidemiological and clinical processes. As each indicator is subject to unique or shared artefacts that tend to vary according to cancer type over time, their simultaneous assessment often enables the identification of systematic deviations in one or more of the three measures. Figure 11-A to 11-X present time trends during 1966-2015 for age-standardised incidence and mortality rates and five-year relative survival estimates based on a moving three-year observation (period) window. It should be noted that these summary measures will often fail to reflect true underlying age-calendar-year interactions for specific cancers, such as differences in survival and mortality trends by age with respect to calendar time, or the presence of strong birth cohort influences in incidence trends.

The trends for "All sites" in Figure 11-A is a persistent increase in cancer incidence and survival in Norway over the last four to five decades, combined with a fairly stable mortality until the early 1990s. The decline in mortality that follows is more rapid in men than in women. The interpretation of these aggregated estimates is complex, in that they comprise many different cancer types variable in terms of their capacity to be diagnosed as well as treated. Important contributions to the downward trend in men came from lung cancer, prostate cancer and stomach cancer.

Among men, nearly 30% of all cancers diagnosed in 2015 were prostate cancers. General screening for prostate cancer using the PSA test is not recommended in Norway. However, the proportion of cases where PSA testing has led to further examination is still increasing and it is the main cause for performing a biopsy. The increase in both incidence and five-year relative survival from 1990 (Figure 10-O) probably reflects the availability of the PSA test and the upsurge in its use and in the early detection of disease. However, mortality has declined from around 1996 and both early diagnosis and improved and more active treatment may have had an impact.

Breast cancer comprises more than 20% of all female cancer cases. There has been a monotonous increase in incidence rates up to 2005 with a steeper increase in the mid-1990s followed by a notable decline between 2005 and 2009 (Figure 11-M). The Norwegian Breast Cancer Screening Programme started as a four-year pilot project in four of the 19 Norwegian counties in 1996, and gradually expanded to become nationwide by 2005. The programme invites women aged 50–69 years to biennial screening. The implementation of the screening programme explains much of the increasing incidence trend from the mid-1990s to 2005.

During the last decade, there have been some fluctuations in the breast cancer rates, but no clear picture emerges when we examine the trends in age-specific rates. The fluctuations probably represent a combination of better diagnostic methods being used in the programme or locally in studies, or that women continue to have mammography after the age of 70,

but it might also reflects random fluctuations.. The breast cancer mortality was almost stable from 1995 up to the mid 1990s when it began declining (Figure 11-M). These good news most likely reflect improved diagnostics, better treatment, and the implementation of the systematic screening programme for breast cancer.

Trends in lung cancer incidence and mortality follow each other closely, reflecting the poor survival over time. The varying trends by sex reflect the different phases of the smoking epidemic in Norwegian men and women (Figure 11-J). Overall, lung cancer incidence and mortality rates among males began to level off in the early 1990s and declined the past three years. This is in contrast to the continuing increase in women. It is worth noting that the age-standardised lung cancer rates conceal a stabilisation in younger women (< 60 years). During the last two decades lung cancer has surpassed breast cancer as the most frequent cause of cancer death among women, and the incidence is now surpassing that of colon cancer. The lung cancer trends reflect the historical changes in smoking habits. In fact, the first strong evidence of the close relationship between smoking and lung cancer came 60 years ago, in the early 1950s. The trends year by year seemed to stabilise after 2010 for women, but the rates in 2014 and 2015 suggest a slight increase.

Both colon and rectal cancer incidence have been increasing for many decades, but the rectal cancer rates have levelled off since the 1990s (Figure 11-E and 11-F). Of particular note is the increasing survival and declining mortality from rectal cancer in both sexes, and the mortality is nearly half of what it used to be The most important determinans are probably the national introduction of total mesorectal excision in the early 1990s, increasing specialisation, and use of preoperative radiation. However, our colon cancer incidence and mortality rates are among the highest in the Nordic countries, and remain a health concern.

Some other specific sites are also worthy of note. The long-term decline in stomach cancer incidence and mortality is most likely caused by better hygiene and increased intake of fresh or frozen food, which have reduced the prevalence of Helicobacter pylori infections. The survival of stomach cancer has increased moderately over time (Figure 11-D).

In contrast, the incidence rate of testicular cancer increased gradually during the last decades (Figure 11-Q). An improvement in survival started in the 1970s with the introduction of cisplatin therapy for advanced germcell tumours, leading to greatly improved prognosis for testicular cancer in young and middle-aged men. This cancer now has the highest five-year relative survival.

A remarkable increase in incidence rates has been seen during the last years for malignant melanoma in both genders. The increase in incidence rates for malignant melanoma is probably explained by sun tanning, more frequent check-ups at the general practitioners' offices or in pharmacies. However, the moderate but steady increase in melanoma mortality indicates that some of the increase in incidence is caused by a higher risk of disease.

Finally, among more uncommon cancer sites, there has been a notable increase in the rates for liver and thyroid cancer in both genders.

The rise of thyroid cancers during the last decade is also seen in the other Nordic countries, except in Iceland where the rates have been consistently higher than in Scandinavia since 1960. We do not know the exact reason for this increase, but it may be due to changes in the diagnostic workup with an increased use of ultrasound, CT or MRI for other indications, resulting in incidental findings of tumours in the thyroid.

We suspect that the increased rate of liver cancer is due to immigration from areas with higher incidence of this disease.

In summary, the overall trends in cancer survival probably reflect both artefacts, such as screening and improved diagnostics, and improved treatment. For prostate and breast cancer both early diagnosis and improvements in treatment are likely to have played a role. For rectal cancer, the improved survival is most likely caused by better treatment.

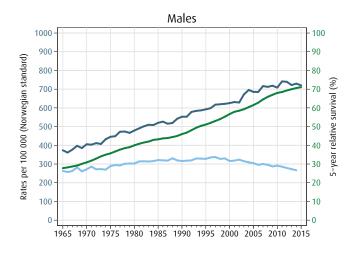
Note to figures 11-A to 11-X:

The mortality rates used in the trends figures have some deviations from the incidence and survival estimates. Anal cancer is included in the mortality rates in figure 11-F, and cases of topography ICD10 D45-47 are not included in the mortality rates in figure 11-X.

[rends

Figure 11. Trends in incidence and mortality rates and 5-year relative survival proportions

Figure 11-A: All sites (ICD10 C00-96, D32-33, D35.2-35.4, D42-43, D44.3-44.5, D45-47)



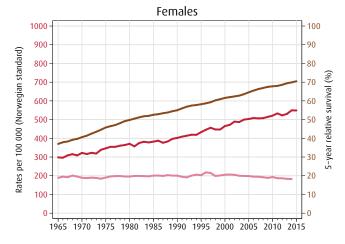
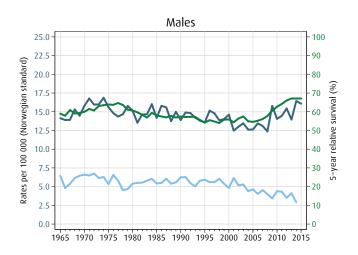


Figure 11-B: Mouth, pharynx (ICD-10 C00-14)



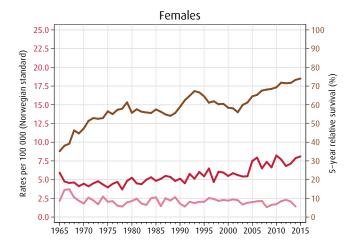
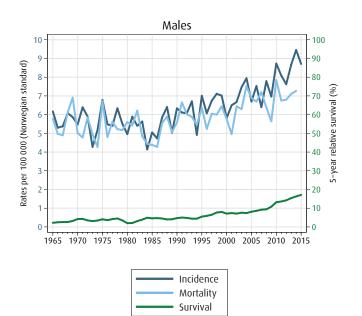
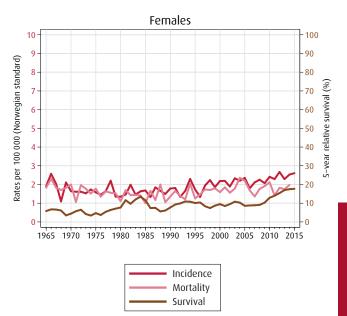


Figure 11-C: Oesophagus (ICD-10 C15)

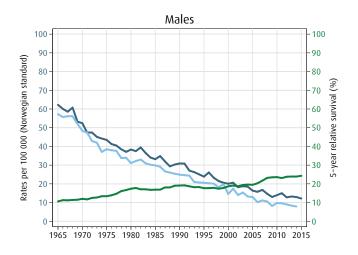




Trends

Figure 11. Trends in incidence and mortality rates and 5-year relative survival proportions

Figure 11-D: Stomach (ICD-10 C16)



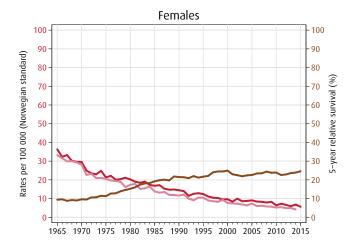
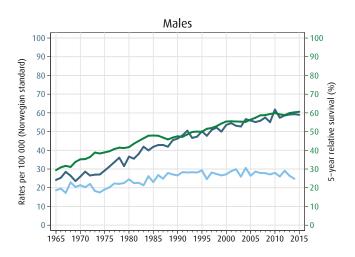


Figure 11-E: Colon (ICD-10 C18)



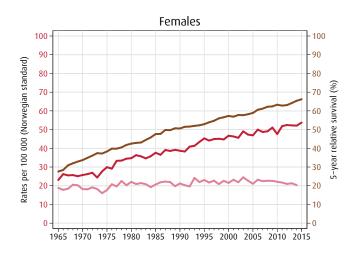
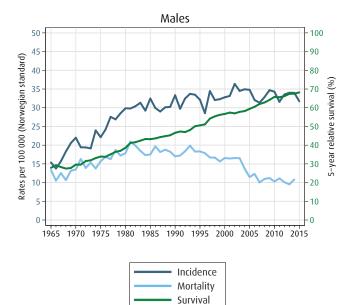


Figure 11-F: Rectum, rectosigmoid (ICD-10 C19-20)



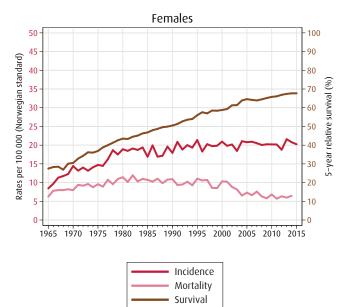
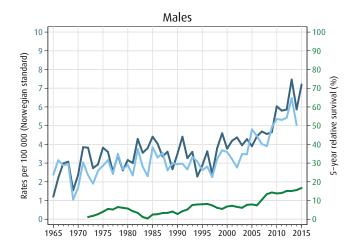


Figure 11-G: Liver (ICD-10 C22)



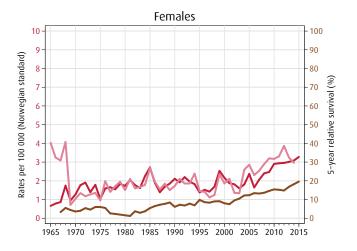
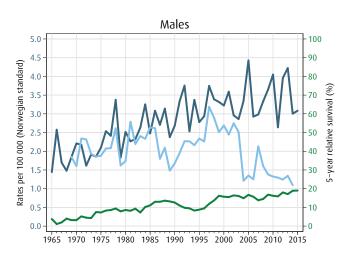


Figure 11-H: Gallbladder, bile ducts (ICD-10 C23-24)



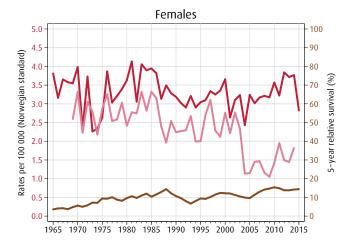
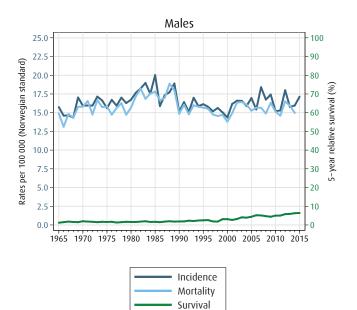
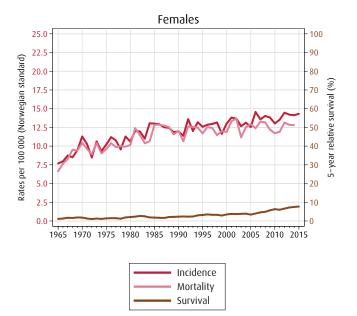


Figure 11-I: Pancreas (ICD-10 C25)

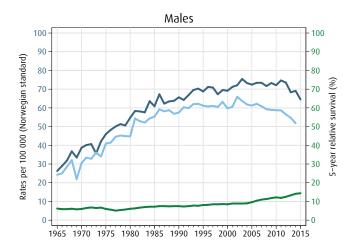




Trends

Figure 11. Trends in incidence and mortality rates and 5-year relative survival proportions

Figure 11-J: Lung, trachea (ICD-10 C33-34)



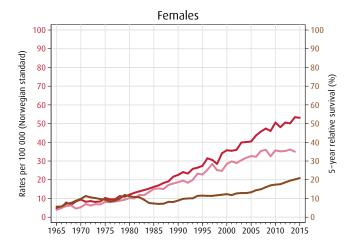
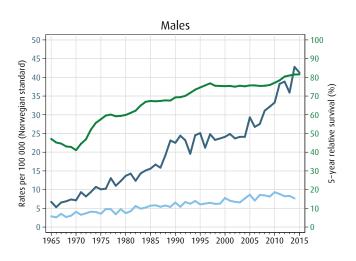


Figure 11-K: Melanoma of the skin (ICD-10 C43)



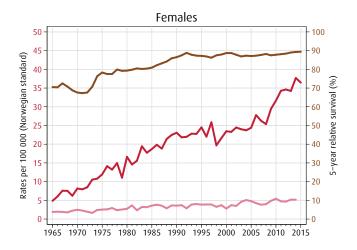
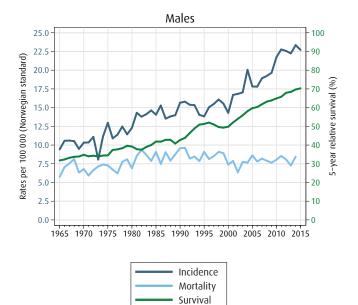
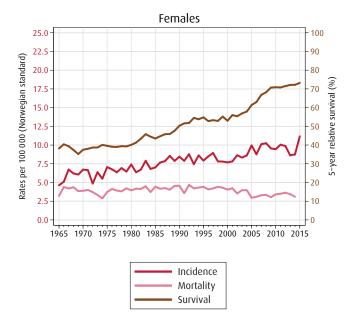


Figure 11-L: Kidney excluding renal pelvis (ICD-10 C64)

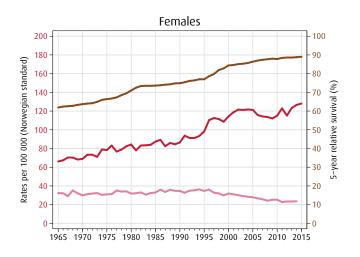




Trends in incidence and mortality rates and 5-year relative survival proportions

Figure 11-M: Breast (ICD-10 C50)





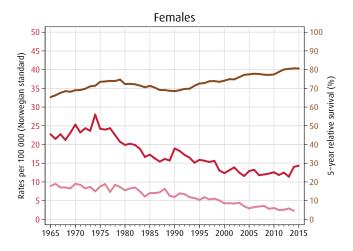
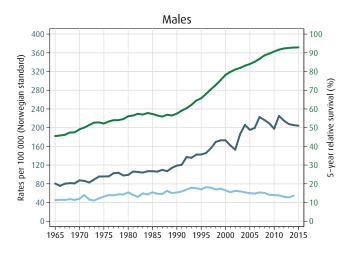


Figure 11-0: Prostate (ICD-10 C61)

Figure 11-P: Corpus uteri (ICD-10 C54)



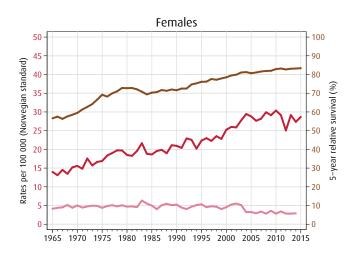
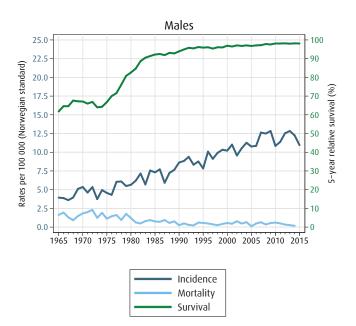


Figure 11-Q: Testis (ICD-10 C62)

Figure 11-R: Ovary (ICD-10 C56, C57.0-4)



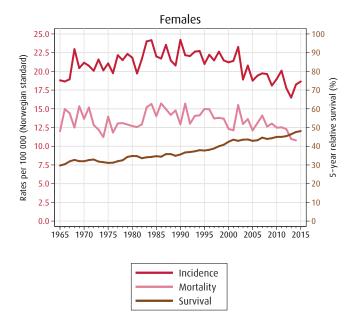
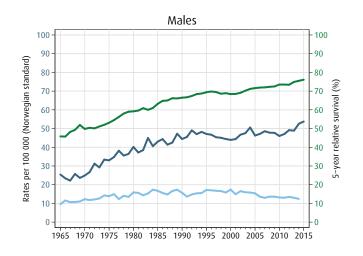


Figure 11. Trends in incidence and mortality rates and 5-year relative survival proportions

Figure 11-S: Urinary tract (renal pelvis, ureters, urinary bladder, and urethra) (ICD-10 C65-68)



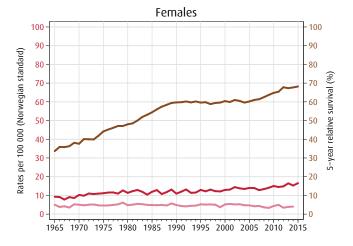
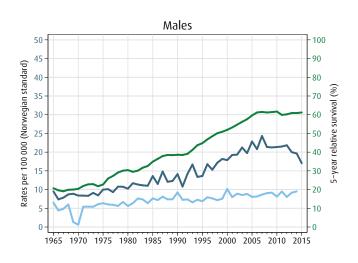


Figure 11-T: Central nervous system (ICD-10 C70-72, D32-33, D42-43)



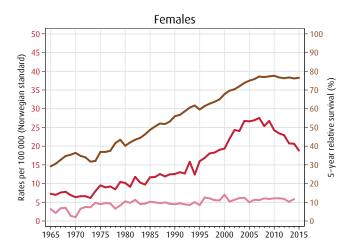
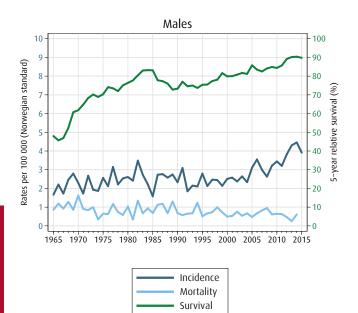


Figure 11-U: Thyroid gland (ICD-10 C73)



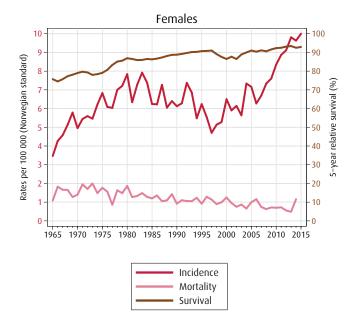
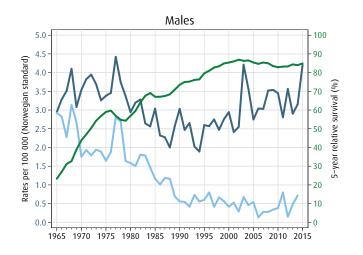


Figure 11. Trends in incidence and mortality rates and 5-year relative survival proportions





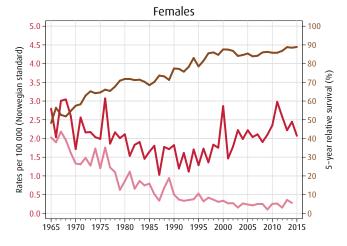
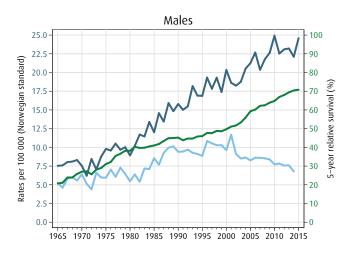


Figure 11-W: Non-Hodgkin lymphoma (ICD-10 C82-86, C96)



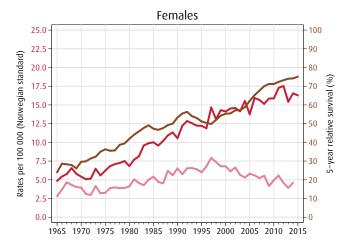
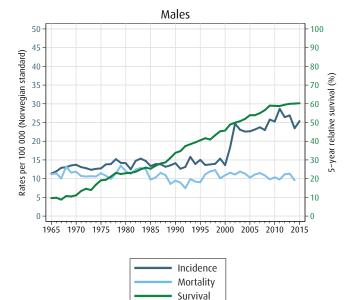
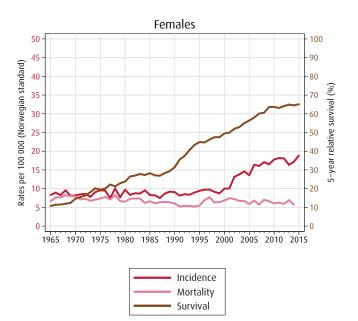


Figure 11-X: Leukaemia (ICD-10 C91-95, D45-47)





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