

Incidence and mortality rates for the top 10 cancer in Taiwan, 2009

(ranked by age-adjusted rate³)

Top 10 cancer incidence rates per 100,000 in 2009 (only invasive cancers)

| Rank | ICD-O-3 | Cancer site | Number of Cases | Crude Incidence rate | Age-adjusted incidence rate ² | Age-adjusted incidence rate ³ |
|------|----------------------|---|-----------------|----------------------|--|--|
| 1 | C50 | Female breast | 8,926 | 77.73 (1) | 55.44 | 59.91 |
| 2 | C18-C21 | Colon, rectum, rectosigmoid junction and anus | 12,488 | 54.01 | 36.34 | 41.35 |
| 3 | C22 | Liver and intrahepatic bile ducts | 11,080 | 47.92 | 33.58 | 37.31 |
| 4 | C33-C34 | Trachea, bronchus and lung | 10,643 | 46.03 | 30.19 | 34.81 |
| 5 | C61 | Prostate gland | 4,013 | 34.49 (2) | 22.60 | 26.89 |
| 6 | C00-C14 ⁴ | Oral cavity, oropharynx and hypopharynx | 6,480 | 28.03 | 20.37 | 21.98 |
| | | Oral cavity | 1,195 | 5.17 | 3.73 | 4.01 |
| | | Oropharynx | 4,374 | 18.92 | 13.78 | 14.90 |
| | | Hypopharynx | 911 | 3.94 | 2.86 | 3.07 |
| 7 | C16 | Stomach | 3,848 | 16.64 | 10.67 | 12.42 |
| 8 | C53 | Cervix uteri | 1,796 | 15.64 (1) | 10.73 | 11.87 |
| 9 | C54 | Corpus uteri | 1,496 | 13.03 (1) | 9.20 | 9.92 |
| 10 | C44 ⁵ | Skin | 2,928 | 12.66 | 8.10 | 9.49 |
| | C00-C80 | All cancer sites | 87,189 | 377.12 | 262.53 | 293.38 |

Top 10 cancer incidence rates per 100,000 in 2009 (carcinoma in situ and invasive cancers)⁶

| Rank | ICD-O-3 | Cancer site | Number of Cases | Crude Incidence rate | Age-adjusted incidence rate ² | Age-adjusted incidence rate ³ |
|------|----------------------|---|-----------------|----------------------|--|--|
| 1 | C50 | Female breast | 10,140 | 88.30 (1) | 62.97 | 68.02 |
| | C50 | Carcinoma in situ of the female breast | 1,214 | 10.57 (1) | 7.53 | 8.11 |
| | C50 | Invasive carcinoma of the female breast | 8,926 | 77.73 (1) | 55.44 | 59.91 |
| 2 | C18-C21 | Colon, rectum, rectosigmoid junction and anus | 13,137 | 56.82 | 38.32 | 43.53 |
| 3 | C22 | Liver and intrahepatic bile ducts | 11,086 | 47.95 | 33.60 | 37.33 |
| 4 | C53 | Cervix uteri | 5,311 | 46.25 (1) | 33.42 | 36.83 |
| | C53 | Cervical carcinoma in situ | 3,515 | 30.61 (1) | 22.68 | 24.96 |
| | C53 | Invasive cervical carcinoma | 1,796 | 15.64 (1) | 10.73 | 11.87 |
| 5 | C33-C34 | Trachea, bronchus and lung | 10,661 | 46.11 | 30.23 | 34.86 |
| 6 | C61 | Prostate gland | 4,016 | 34.51 (2) | 22.62 | 26.92 |
| 7 | C00-C14 ⁴ | Oral cavity, oropharynx and hypopharynx | 6,536 | 28.27 | 20.55 | 22.17 |
| | | Oral cavity | 1,207 | 5.22 | 3.77 | 4.05 |
| | | Oropharynx | 4,409 | 19.07 | 13.89 | 15.02 |
| | | Hypopharynx | 920 | 3.98 | 2.89 | 3.10 |
| 8 | C16 | Stomach | 3,883 | 16.80 | 10.76 | 12.53 |
| 9 | C44 ⁵ | Skin | 3,153 | 13.64 | 8.72 | 10.21 |
| 10 | C54 | Corpus uteri | 1,497 | 13.04 (1) | 9.21 | 9.93 |
| | C00-C80 | All Cancer sites | 93,757 | 405.53 | 283.22 | 316.18 |

Top 10 cancer mortality rates per 100,000 in 2009

| Rank | ICD-10 | Cancer site | Number of Cases | Crude Mortality rate | Age-adjusted mortality rate ² | Age-adjusted mortality rate ³ |
|------|----------------------|---|-----------------|----------------------|--|--|
| 1 | C22 | Liver and intrahepatic bile ducts | 7,759 | 33.56 | 22.76 | 25.77 |
| 2 | C33-C34 | Trachea, bronchus and lung | 7,951 | 34.39 | 21.52 | 25.51 |
| 3 | C18-C21 | Colon, rectum, rectosigmoid junction and anus | 4,531 | 19.60 | 12.33 | 14.53 |
| 4 | C50 | Female breast | 1,588 | 13.83 (1) | 9.59 | 10.46 |
| 5 | C00-C14 ⁴ | Oral cavity, oropharynx and hypopharynx | 2,249 | 9.73 | 6.94 | 7.53 |
| 6 | C16 | Stomach | 2,282 | 9.87 | 5.97 | 7.17 |
| 7 | C61 | Prostate gland | 936 | 8.04 (2) | 4.49 | 5.76 |
| 8 | C15 | Esophagus | 1,489 | 6.44 | 4.51 | 4.94 |
| 9 | C25 | Pancreas | 1,480 | 6.40 | 4.14 | 4.81 |
| 10 | C53 | Cervix uteri | 657 | 5.72 (1) | 3.64 | 4.17 |
| | C00-C97 | All Cancer sites | 39,917 | 172.65 | 113.25 | 130.40 |

FOOTNOTE

1. Since 2007, the incidence rate for lymphoma was calculated independently from each site. The morphology codes of lymphoma include : ICD-O-3 M-95903 - M-97293 \ M-97503 - M-97583 \ M-97643 ◦

2. Rates are age-adjusted to the 1976 world standard population.

3. Rates are age-adjusted to the 2000 world standard population.

4. Codes corresponding with oral cavity, oropharynx and hypopharynx include ICD-O-3 : C00-C06 \ C09-C10 \ C12-14 ; ICD 9 : 140-141 \ 143-146 \ 148-149.

5. Basal cell is included in skin cancer.

6. Carcinoma in situ represents the fifth digit of morphology code is "2".

7. (1)Crude incidence rate and mortality rates per 100,000 for female; (2) Crude incidence and mortality rates per 100,000 for male.

Incidence and mortality rates for the top 10 cancer among males in Taiwan, 2009 (ranked by age-adjusted rate³)

Top 10 cancer incidence rates per 100,000 among males in 2009 (only invasive cancers)

| Rank | ICD-O-3 | Cancer site | Number of Cases | Crude Incidence rate | Age-adjusted incidence rate ² | Age-adjusted incidence rate ³ |
|------|----------------------|---|-----------------|----------------------|--|--|
| 1 | C22 | Liver and intrahepatic bile ducts | 7,747 | 66.57 | 48.68 | 53.60 |
| 2 | C18-C21 | Colon, rectum, rectosigmoid junction and anus | 7,151 | 61.45 | 42.86 | 48.65 |
| 3 | C33-C34 | Trachea, bronchus and lung | 6,737 | 57.89 | 38.75 | 45.08 |
| 4 | C00-C14 ⁴ | Oral cavity, oropharynx and hypopharynx | 5,927 | 50.93 | 37.95 | 40.83 |
| | | Oral cavity | 1,103 | 9.48 | 7.00 | 7.51 |
| | | Oropharynx | 3,939 | 33.85 | 25.29 | 27.25 |
| | | Hypopharynx | 885 | 7.61 | 5.67 | 6.08 |
| 5 | C61 | Prostate gland | 4,013 | 34.49 | 22.60 | 26.89 |
| 6 | C16 | Stomach | 2,404 | 20.66 | 13.57 | 15.86 |
| 7 | C15 | Esophagus | 1,898 | 16.31 | 11.94 | 12.97 |
| 8 | C44 ⁵ | Skin | 1,589 | 13.66 | 9.17 | 10.65 |
| 9 | C67 | Bladder | 1,419 | 12.19 | 8.07 | 9.42 |
| 10 | M959-976 | Non-Hodgkin lymphoma | 1,205 | 10.36 | 7.64 | 8.47 |
| | C00-C80 | All cancer sites | 49,022 | 421.27 | 299.56 | 336.25 |

Top 10 cancer incidence rates per 100,000 among males in 2009 (carcinoma in situ and invasive cancers)⁶

| Rank | ICD-O-3 | Cancer site | Number of Cases | Crude Incidence rate | Age-adjusted incidence rate ² | Age-adjusted incidence rate ³ |
|------|----------------------|---|-----------------|----------------------|--|--|
| 1 | C22 | Liver and intrahepatic bile ducts | 7,749 | 66.59 | 48.70 | 53.62 |
| 2 | C18-C21 | Colon, rectum, rectosigmoid junction and anus | 7,553 | 64.91 | 45.38 | 51.43 |
| 3 | C33-C34 | Trachea, bronchus and lung | 6,751 | 58.01 | 38.83 | 45.17 |
| 4 | C00-C14 ⁴ | Oral cavity, oropharynx and hypopharynx | 5,974 | 51.34 | 38.25 | 41.15 |
| | | Oral cavity | 1,114 | 9.57 | 7.07 | 7.58 |
| | | Oropharynx | 3,966 | 34.08 | 25.45 | 27.43 |
| | | Hypopharynx | 894 | 7.68 | 5.73 | 6.14 |
| 5 | C61 | Prostate gland | 4,016 | 34.51 | 22.62 | 26.92 |
| 6 | C16 | Stomach | 2,433 | 20.91 | 13.72 | 16.04 |
| 7 | C15 | Esophagus | 1,916 | 16.47 | 12.05 | 13.10 |
| 8 | C67 | Bladder | 1,798 | 15.45 | 10.32 | 11.99 |
| 9 | C44 ⁵ | Skin | 1,695 | 14.57 | 9.78 | 11.35 |
| 10 | M959-976 | Non-Hodgkin lymphoma | 1,205 | 10.36 | 7.64 | 8.47 |
| | C00-C80 | All cancer sites | 50,125 | 430.75 | 306.28 | 343.78 |

Top 10 cancer mortality rates per 100,000 among males in 2009

| Rank | ICD-10 | Cancer site | Number of Cases | Crude Mortality rate | Age-adjusted mortality rate ² | Age-adjusted mortality rate ³ |
|------|----------------------|---|-----------------|----------------------|--|--|
| 1 | C22 | Liver and intrahepatic bile ducts | 5,467 | 46.98 | 33.54 | 37.48 |
| 2 | C33-C34 | Trachea, bronchus and lung | 5,336 | 45.85 | 29.36 | 35.02 |
| 3 | C18-C21 | Colon, rectum, rectosigmoid junction and anus | 2,562 | 22.02 | 14.48 | 16.96 |
| 4 | C00-C14 ⁴ | Oral cavity, oropharynx and hypopharynx | 2,103 | 18.07 | 13.32 | 14.39 |
| 5 | C16 | Stomach | 1,457 | 12.52 | 7.77 | 9.36 |
| 6 | C15 | Esophagus | 1,369 | 11.76 | 8.55 | 9.30 |
| 7 | C25 | Pancreas | 871 | 7.48 | 5.03 | 5.82 |
| 8 | C61 | Prostate gland | 936 | 8.04 | 4.49 | 5.76 |
| 9 | C91-C95 | Leukemia | 571 | 4.91 | 3.63 | 4.05 |
| 10 | C82-C85 | Non-Hodgkin lymphoma | 542 | 4.66 | 3.14 | 3.65 |
| | C00-C97 | All cancer sites | 25,284 | 217.28 | 147.47 | 169.34 |

FOOTNOTE

1. Since 2007, the incidence rate for lymphoma was calculated independently from each site. The morphology codes of lymphoma include : ICD-O-3 M-95903 - M-97293 - M-97503 - M-97583 - M-97643 .

2. Rates are age-adjusted to the 1976 world standard population.

3. Rates are age-adjusted to the 2000 world standard population.

4. Codes corresponding with oral cavity, oropharynx and hypopharynx include ICD-O-3 : C00-C06 、 C09-C10 、 C12-14 ; ICD 9 : 140-141 、 143-146 、 148-149.

5. Basal cell is included in skin cancer.

6. Carcinoma in situ represents the fifth digit of morphology code is "2".

Incidence and mortality rates for the top 10 cancer among females in Taiwan, 2009 (ranked by age-adjusted rate³)

Top 10 cancer incidence rates per 100,000 among females in 2009 (only invasive cancers)

| Rank | ICD-O-3 | Cancer site | Number of Cases | Crude Incidence rate | Age-adjusted incidence rate ² | Age-adjusted incidence rate ³ |
|------|------------------|---|-----------------|----------------------|--|--|
| 1 | C50 | Female breast | 8,926 | 77.73 | 55.44 | 59.91 |
| 2 | C18-C21 | Colon, rectum, rectosigmoid junction and anus | 5,337 | 46.48 | 30.25 | 34.48 |
| 3 | C33-C34 | Trachea, bronchus and lung | 3,906 | 34.02 | 22.22 | 25.16 |
| 4 | C22 | Liver and intrahepatic bile ducts | 3,333 | 29.03 | 19.13 | 21.69 |
| 5 | C73 | Thyroid gland | 1,846 | 16.08 | 12.14 | 13.17 |
| 6 | C53 | Cervix uteri | 1,796 | 15.64 | 10.73 | 11.87 |
| 7 | C54 | Corpus uteri | 1,496 | 13.03 | 9.20 | 9.92 |
| 8 | C16 | Stomach | 1,444 | 12.58 | 7.95 | 9.18 |
| 9 | C44 ⁴ | Skin | 1,339 | 11.66 | 7.08 | 8.38 |
| 10 | C56, C57.0-C57.4 | Ovary, fallopian tube and broad ligament | 1,113 | 9.69 | 7.12 | 7.70 |
| | C00-C80 | All cancer sites | 38,167 | 332.38 | 228.35 | 253.49 |

Top 10 cancer incidence rates per 100,000 among females in 2009 (carcinoma in situ and invasive cancers)⁵

| Rank | ICD-O-3 | Cancer site | Number of Cases | Crude Incidence rate | Age-adjusted incidence rate ² | Age-adjusted incidence rate ³ |
|------|------------------|---|-----------------|----------------------|--|--|
| 1 | C50 | Female breast | 10,140 | 88.30 | 62.97 | 68.02 |
| | C50 | Carcinoma in situ of the female breast | 1,214 | 10.57 | 7.53 | 8.11 |
| | C50 | Invasive carcinoma of the female breast | 8,926 | 77.73 | 55.44 | 59.91 |
| 2 | C53 | Cervix uteri | 5,311 | 46.25 | 33.42 | 36.83 |
| | C53 | Cervical carcinoma in situ | 3,515 | 30.61 | 22.68 | 24.96 |
| | C53 | Invasive cervical carcinoma | 1,796 | 15.64 | 10.73 | 11.87 |
| 3 | C18-C21 | Colon, rectum, rectosigmoid junction and anus | 5,584 | 48.63 | 31.69 | 36.10 |
| 4 | C33-C34 | Trachea, bronchus and lung | 3,909 | 34.04 | 22.23 | 25.18 |
| 5 | C22 | Liver and intrahepatic bile ducts | 3,337 | 29.06 | 19.15 | 21.72 |
| 6 | C73 | Thyroid gland | 1,846 | 16.08 | 12.14 | 13.17 |
| 7 | C54 | Corpus uteri | 1,497 | 13.04 | 9.21 | 9.93 |
| 8 | C16 | Stomach | 1,450 | 12.63 | 7.98 | 9.21 |
| 9 | C44 ⁴ | Skin | 1,458 | 12.70 | 7.70 | 9.12 |
| 10 | C56, C57.0-C57.4 | Ovary, fallopian tube and broad ligament | 1,116 | 9.72 | 7.14 | 7.72 |
| | C00-C80 | All cancer sites | 43,632 | 379.97 | 262.82 | 291.35 |

Top 10 cancer mortality rates per 100,000 among females in 2009

| Rank | ICD-9 | Cancer site | Number of Cases | Crude Mortality rate | Age-adjusted mortality rate ² | Age-adjusted mortality rate ³ |
|------|------------------|---|-----------------|----------------------|--|--|
| 1 | C33-C34 | Trachea, bronchus and lung | 2,615 | 22.77 | 14.20 | 16.53 |
| 2 | C22 | Liver and intrahepatic bile ducts | 2,292 | 19.96 | 12.47 | 14.58 |
| 3 | C18-C21 | Colon, rectum, rectosigmoid junction and anus | 1,969 | 17.15 | 10.33 | 12.24 |
| 4 | C50 | Female breast | 1,588 | 13.83 | 9.59 | 10.46 |
| 5 | C16 | Stomach | 825 | 7.18 | 4.28 | 5.09 |
| 6 | C53 | Cervix uteri | 657 | 5.72 | 3.64 | 4.17 |
| 7 | C25 | Pancreas | 609 | 5.30 | 3.31 | 3.86 |
| 8 | C56, C57.0-C57.4 | Ovary, fallopian tube and broad ligament | 438 | 3.81 | 2.58 | 2.86 |
| 9 | C91-C95 | Leukemia | 353 | 3.07 | 2.29 | 2.50 |
| 10 | C82-C85 | Non-Hodgkin lymphoma | 372 | 3.24 | 2.00 | 2.35 |
| | C00-C97 | All cancer sites | 14,633 | 127.43 | 80.88 | 93.36 |

FOOTNOTE

1. Since 2007, the incidence rate for lymphoma was calculated independently from each site. The morphology codes of lymphoma include : ICD-O-3 M-95903 - M-97293 \ M-97503 - M-97583 \ M-97643 ◦

2. Rates are age-adjusted to the 1976 world standard population.

3. Rates are age-adjusted to the 2000 world standard population.

4. Basal cell is included in skin cancer.

5. Carcinoma in situ represents the fifth digit of morphology code is "2".