The overall age-standardized cancer incidence rate is almost 25% higher in men than in women, with rates of 205 and 165 cases per 100,000 person-years, respectively. Cancer incidence rates among males vary by a factor of almost 5 across the various regions of the world, with annual rates ranging from 79 cases per 100,000 males in western Africa to 365 cases per 100,000 males in Australia/New Zealand (with high rates of prostate cancer constituting a significant contribution to the latter). There is less variation among females, with annual cancer incidence rates varying by a factor of about 3, ranging from 103 cases per 100,000 females in south-central Asia to 295 cases per 100,000 females in North America.

There is less regional variability in mortality than in incidence; the mortality rates in more developed regions are 15% higher in men and 8% higher in women than the corresponding rates in less developed regions. In men, the rate (per 100,000) is highest in central and eastern Europe (173 deaths per year) and lowest in western Africa (69 deaths per year). In contrast, the highest rates in women are seen in Melanesia (119 deaths per year) and eastern Africa (111 deaths per year), and the lowest rates are in Central America (72 deaths per year) and south-central Asia (65 deaths per year).
## Estimated incidence, mortality and prevalence (5 years) worldwide in 2012

<table>
<thead>
<tr>
<th>Region</th>
<th>Males</th>
<th>Females</th>
<th>Both sexes</th>
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<tbody>
<tr>
<td></td>
<td>Cases</td>
<td>Deaths</td>
<td>5-year-prev</td>
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<tr>
<td>World</td>
<td>7 410 376</td>
<td>4 653 385</td>
<td>15 296 119</td>
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<td>More developed regions</td>
<td>3 226 739</td>
<td>1 591 501</td>
<td>8 549 600</td>
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<tr>
<td>Less developed regions</td>
<td>4 183 637</td>
<td>3 061 884</td>
<td>6 746 519</td>
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<td>WHO African Region</td>
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<td>467 820</td>
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<td>WHO Region of the Americas</td>
<td>1 453 678</td>
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<td>3 843 203</td>
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<td>WHO Eastern Mediterranean Region</td>
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<td>461 190</td>
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<td>WHO European Region</td>
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<td>1 080 574</td>
<td>4 791 316</td>
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<td>WHO South-East Asia Region</td>
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<td>616 212</td>
<td>1 237 475</td>
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<td>WHO Western Pacific Region</td>
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<td>1 882 428</td>
<td>4 492 687</td>
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<td>IARC Member State (24 countries)</td>
<td>3 689 369</td>
<td>1 900 220</td>
<td>9 192 817</td>
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<tr>
<td>United States of America</td>
<td>824 698</td>
<td>323 876</td>
<td>2 402 172</td>
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<tr>
<td>China</td>
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<td>1 429 461</td>
<td>2 495 611</td>
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<td>India</td>
<td>477 482</td>
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<td>664 538</td>
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<tr>
<td>European Union (EU-28)</td>
<td>1 429 715</td>
<td>715 509</td>
<td>3 692 805</td>
</tr>
</tbody>
</table>
Estimated age-standardized rates (World) of incidence cases, males, all cancers excluding non-melanoma skin cancer, worldwide in 2012

* Regional data
NORDCAN (www.anccr.nu)
ECO (eco.iarc.fr)
England: www.ons.gov.uk

* Regional data
CI5.iarc.fr

* Regional data
CI5.iarc.fr
Australia: www.aih.gov.au
New Zealand: www.health.govt.nz
USA: seer.cancer.gov
Estimated age-standardized rates (World) of deaths, males, all cancers excluding non-melanoma skin cancer, worldwide in 2012

Data source: GLOBOCAN 2012
Graph production: IARC
(http://gco.iarc.fr/today)
World Health Organization
Estimated age-standardized rates (World) of deaths, males, all cancers excluding non-melanoma skin cancer, worldwide in 2012
Estimated age-standardized rates (World) of incidence cases, females, all cancers excluding non-melanoma skin cancer, worldwide in 2012

![World map showing incidence cases](http://gco.iarc.fr/today)

Data source: GLOBOCAN 2012
Graph production: IARC
World Health Organization
Estimated age-standardized rates (World) of incidence cases, females, all cancers excluding non-melanoma skin cancer, worldwide in 2012

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NORDCAN (www.anncr.nu)
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Estimated age-standardized rates (World) of deaths, females, all cancers excluding non-melanoma skin cancer, worldwide in 2012
Estimated age-standardized rates (World) of deaths, females, all cancers excluding non-melanoma skin cancer, worldwide in 2012

WHO (www.who.int/healthinfo/en/)

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International Agency for Research on Cancer

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