

## A snap shot of cancer in the Gold Coast Region

The CCQ Region of the Gold Coast covers 6,200 km<sup>2</sup>, or less than 0.4% of total Queensland. It includes the most south-eastern parts of the State. In 2007 it had a population of 600,388, which is 14% of Queensland's total population.

Most of the population resides along the coastal strip of the Gold Coast, including Surfers Paradise, Southport and Broadbeach. Tourism is a significant industry for the Gold Coast.

The nearest radiation treatment centre for cancer patients in the Gold Coast Region is in Tugun (private only). For public patients the nearest radiation facilities are in Brisbane. The CCQ Regional Office for the Gold Coast is located in Southport.



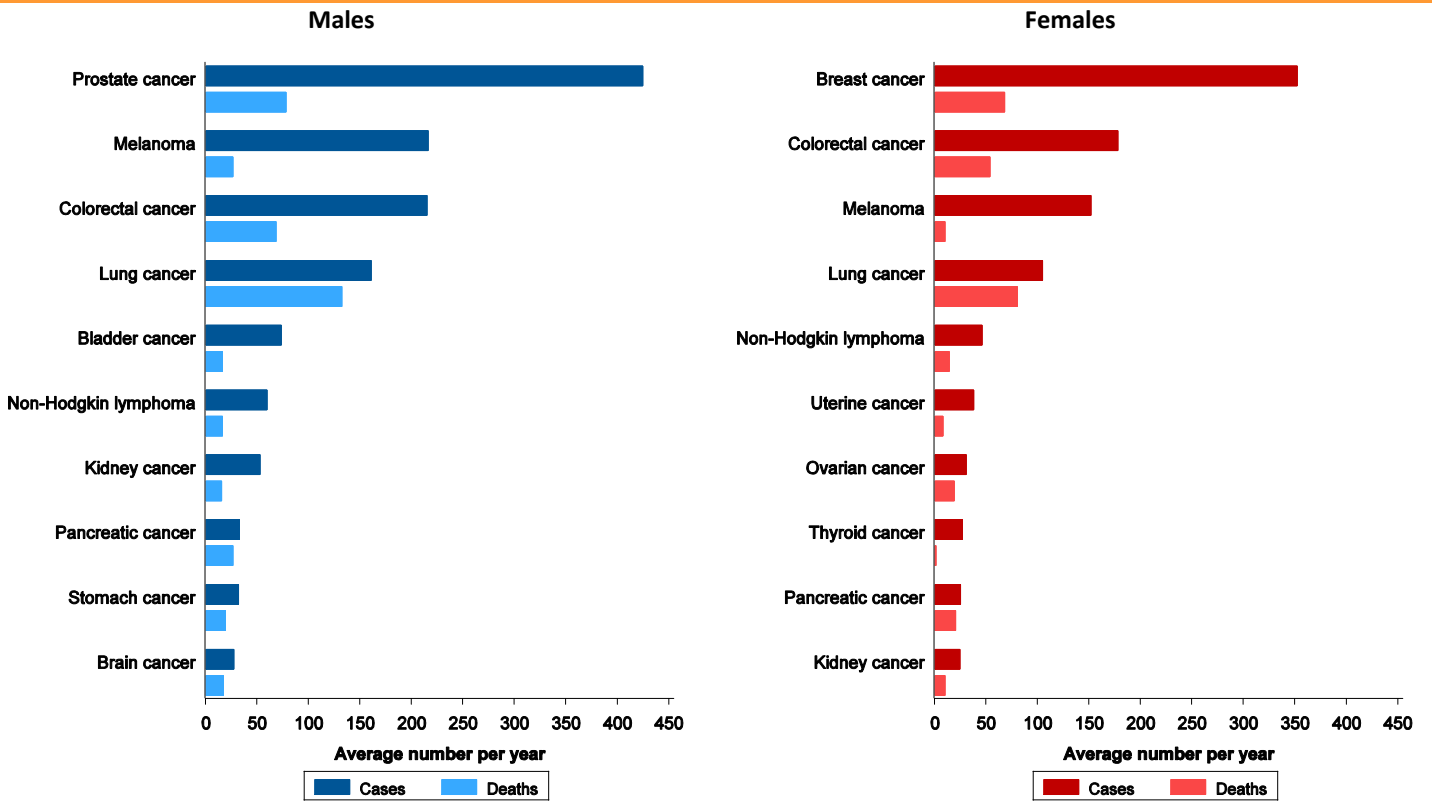
| Region Characteristics (2007 data unless otherwise specified) | Gold Coast | Queensland |
|---|------------|------------|
| <b>Per cent of population who ...</b>                         |            |            |
| ... are female  | 50.3%      | 50.1%      |
| ... are Indigenous (2006 data)                                | 1.3%       | 3.2%       |
| ... are aged 50 years and over                                | 31.1%      | 29.5%      |
| ... live in remote areas                                      | 0.0%       | 5.1%       |
| ... live within 2 hours drive of radiation treatment          | 99.4%      | 78.0%      |
| ... live more than 6 hours drive from radiation treatment     | 0.6%       | 4.7%       |
| ... live in disadvantaged areas                               | 3.0%       | 12.4%      |
| ... live in affluent areas                                    | 7.4%       | 16.1%      |
| <b>Life Expectancy at birth (2003-2007)</b>                   |            |            |
| Males   | 80.5 years | 79.4 years |
| Females   | 84.9 years | 84.1 years |
| Persons   | 82.7 years | 81.7 years |

| All Cancers*                   | Male            | Female          | Persons <sup>1</sup> | Number diagnosed by year |
|--------------------------------|-----------------|-----------------|----------------------|--------------------------|
| Number of new cases per year:  | <b>1638</b>     | <b>1254</b>     | <b>2891</b>          |                          |
| Chance of diagnosis by age 80: | <b>1 in 2.2</b> | <b>1 in 3.1</b> | <b>1 in 2.6</b>      |                          |
| Median age at diagnosis:       | <b>68 yrs</b>   | <b>64 yrs</b>   | <b>66 yrs</b>        |                          |
| Percent surviving for 5 years: | <b>59%</b>      | <b>67%</b>      | <b>63%</b>           |                          |
| Number of deaths per year:     | <b>577</b>      | <b>420</b>      | <b>997</b>           |                          |
| Percent deaths before age 80:  | <b>70%</b>      | <b>67%</b>      | <b>69%</b>           |                          |

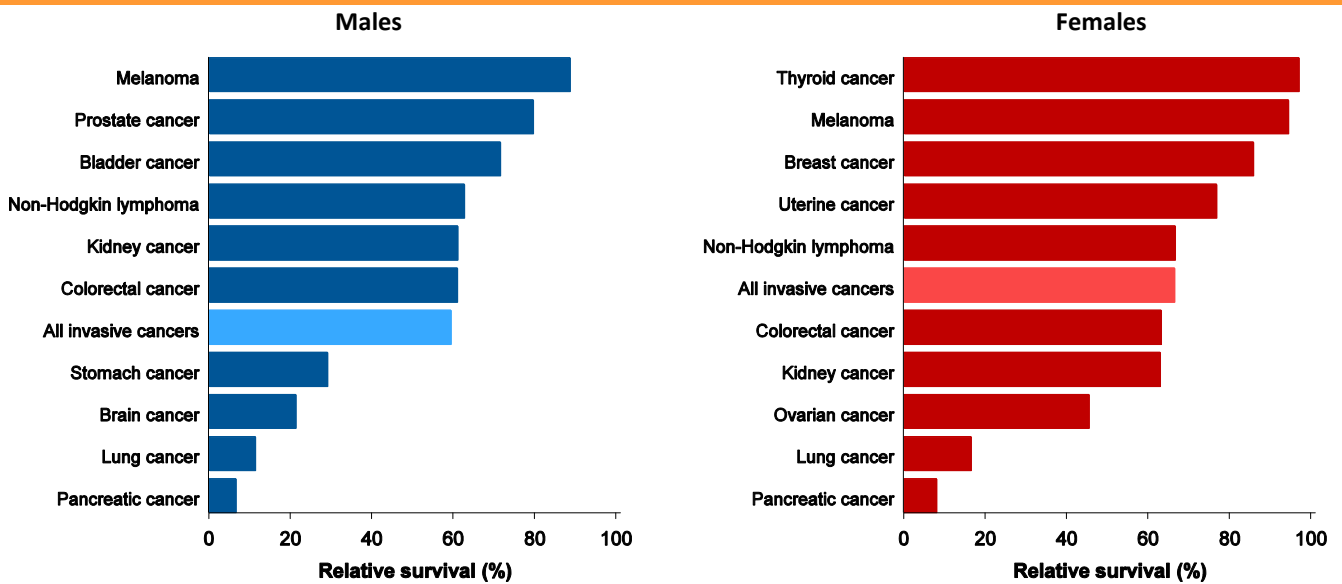
\*See notes on page 4 for more details.

1. Persons data may not reflect sum of males and females due to rounding. Cancers with a lifetime risk above 1 in 5 have the value provided to one decimal point.

The 10 most common cancers diagnosed in the Gold Coast Region by sex, 2003-2007



Five-year relative survival in the Gold Coast Region by type of cancer and sex, 1998-2007



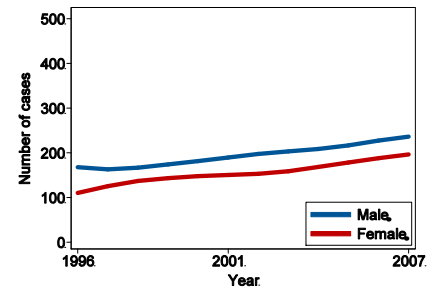
Note: Relative survival calculated using the period method, for persons aged 0-89 years at diagnosis. Data are for "at risk" cases in the period 1998-2007.

## Facts about the most common cancers

### Colorectal Cancer

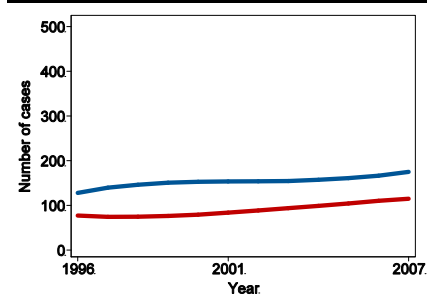
|                                | Male    | Female  | Persons <sup>1</sup> |
|--------------------------------|---------|---------|----------------------|
| Number of new cases per year:  | 215     | 178     | 392                  |
| Chance of diagnosis by age 80: | 1 in 13 | 1 in 17 | 1 in 15              |
| Median age at diagnosis:       | 69 yrs  | 71 yrs  | 70 yrs               |
| % surviving for 5 years:       | 61%     | 63%     | 62%                  |
| Number of deaths per year:     | 68      | 54      | 122                  |
| Percent deaths before age 80:  | 70%     | 59%     | 65%                  |

### Number diagnosed by year



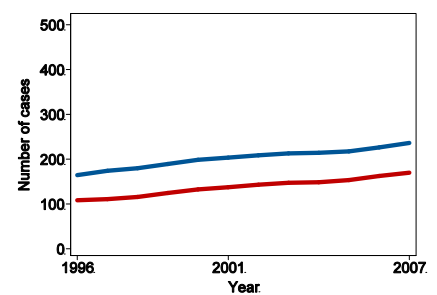
### Lung Cancer

|                                | Male    | Female  | Persons <sup>1</sup> |
|--------------------------------|---------|---------|----------------------|
| Number of new cases per year:  | 161     | 105     | 265                  |
| Chance of diagnosis by age 80: | 1 in 17 | 1 in 28 | 1 in 21              |
| Median age at diagnosis:       | 71 yrs  | 72 yrs  | 71 yrs               |
| Percent surviving for 5 years: | 11%     | 16%     | 13%                  |
| Number of deaths per year:     | 132     | 80      | 212                  |
| Percent deaths before age 80:  | 76%     | 74%     | 75%                  |



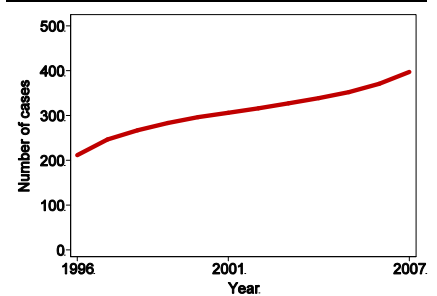
### Melanoma

|                                | Male    | Female  | Persons <sup>1</sup> |
|--------------------------------|---------|---------|----------------------|
| Number of new cases per year:  | 216     | 152     | 367                  |
| Chance of diagnosis by age 85: | 1 in 14 | 1 in 23 | 1 in 17              |
| Median age at diagnosis:       | 63 yrs  | 56 yrs  | 60 yrs               |
| Percent surviving for 5 years: | 89%     | 95%     | 91%                  |
| Number of deaths per year:     | 26      | 10      | 36                   |
| Percent deaths before age 80:  | 72%     | 73%     | 72%                  |



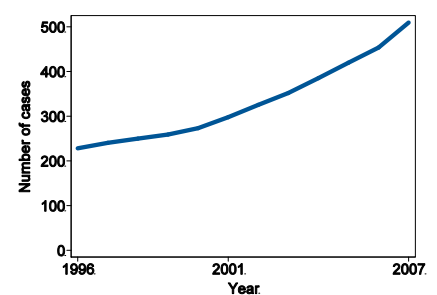
### Female Breast Cancer

|                                | Female |
|--------------------------------|--------|
| Number of new cases per year:  | 352    |
| Chance of diagnosis by age 80: | 1 in 9 |
| Median age at diagnosis:       | 60 yrs |
| Percent surviving for 5 years: | 86%    |
| Number of deaths per year:     | 68     |
| Percent deaths before age 80:  | 76%    |



### Prostate Cancer

|                                | Male   |
|--------------------------------|--------|
| Number of new cases per year:  | 424    |
| Chance of diagnosis by age 80: | 1 in 7 |
| Median age at diagnosis:       | 67 yrs |
| Percent surviving for 5 years: | 80%    |
| Number of deaths per year:     | 78     |
| Percent deaths before age 80:  | 45%    |



See notes on page 4 for more details. Cancers with a lifetime risk above 1 in 5 have the value provided to one decimal point.

1. Persons data may not reflect sum of males and females due to rounding.

## More information for those who like the details

| Type of Cancer               | Incidence <sup>a</sup>  |  | Five-year relative survival <sup>c</sup> (%) | Mortality <sup>a</sup>  |  |
|------------------------------|-------------------------|--|--|-------------------------|--|
|                              | Average number per year | Annual rate <sup>b</sup> (per 100,000) |  | Average number per year | Annual rate <sup>b</sup> (per 100,000) |
| <b>Males</b>                 |                         |  |  |                         |  |
| All invasive cancers         | 1638                    | 572 [560,585]                          | 59 [58,60]                                   | 577                     | 208 [201,216]                          |
| Prostate cancer              | 424                     | 145 [139,151]                          | 80 [78,82]                                   | 78                      | 30 [27,33]                             |
| Melanoma                     | 216                     | 76 [71,80]                             | 89 [87,90]                                   | 26                      | 9 [8,11]                               |
| Colorectal cancer            | 215                     | 75 [70,79]                             | 61 [58,63]                                   | 68                      | 24 [22,27]                             |
| Lung cancer                  | 161                     | 57 [53,61]                             | 11 [10,13]                                   | 132                     | 47 [43,51]                             |
| Bladder cancer               | 73                      | 26 [24,29]                             | 71 [67,75]                                   | 16                      | 6 [5,7]                                |
| Non-Hodgkin lymphoma         | 59                      | 21 [18,23]                             | 63 [58,68]                                   | 16                      | 6 [5,7]                                |
| Kidney cancer                | 52                      | 18 [16,21]                             | 61 [56,66]                                   | 15                      | 5 [4,7]                                |
| Stomach cancer               | 32                      | 11 [10,13]                             | 29 [23,34]                                   | 19                      | 7 [6,8]                                |
| Pancreatic cancer            | 32                      | 11 [10,13]                             | 7 [4,10]                                     | 26                      | 9 [8,11]                               |
| Brain cancer                 | 27                      | 9 [8,11]                               | 22 [16,27]                                   | 17                      | 6 [5,7]                                |
| <b>Females</b>               |                         |  |  |                         |  |
| All invasive cancers         | 1254                    | 402 [392,412]                          | 66 [65,67]                                   | 420                     | 130 [124,136]                          |
| Breast cancer                | 352                     | 114 [109,119]                          | 86 [84,87]                                   | 68                      | 21 [19,24]                             |
| Colorectal cancer            | 178                     | 56 [52,60]                             | 63 [60,66]                                   | 54                      | 16 [15,19]                             |
| Melanoma                     | 152                     | 50 [47,54]                             | 95 [93,96]                                   | 10                      | 3 [2,4]                                |
| Lung cancer                  | 105                     | 33 [30,36]                             | 16 [14,19]                                   | 80                      | 25 [23,28]                             |
| Non-Hodgkin lymphoma         | 46                      | 15 [13,17]                             | 67 [62,72]                                   | 14                      | 4 [3,5]                                |
| Uterine cancer               | 38                      | 12 [10,14]                             | 77 [72,82]                                   | 8                       | 2 [2,3]                                |
| Ovarian cancer               | 30                      | 10 [8,11]                              | 45 [38,51]                                   | 19                      | 6 [5,7]                                |
| Thyroid cancer               | 27                      | 9 [8,11]                               | 97 [93,99]                                   | **                      | **                                     |
| Pancreatic cancer            | 25                      | 8 [6,9]                                | 8 [5,12]                                     | 20                      | 6 [5,7]                                |
| Kidney cancer                | 24                      | 8 [6,9]                                | 63 [56,70]                                   | 10                      | 3 [2,4]                                |
| <b>Persons<sup>d</sup></b>   |                         |  |  |                         |  |
| All invasive cancers         | 2891                    | 481 [473,489]                          | 62 [62,63]                                   | 997                     | 165 [161,170]                          |
| Prostate cancer              | 424                     | n.a.                                   | 80 [78,82]                                   | 78                      | n.a.                                   |
| Colorectal cancer            | 392                     | 65 [62,68]                             | 62 [60,64]                                   | 122                     | 20 [19,22]                             |
| Melanoma                     | 367                     | 62 [59,65]                             | 91 [90,92]                                   | 36                      | 6 [5,7]                                |
| Breast cancer (females only) | 352                     | n.a.                                   | 86 [84,87]                                   | 68                      | n.a.                                   |
| Lung cancer                  | 265                     | 44 [42,46]                             | 13 [12,15]                                   | 212                     | 35 [33,37]                             |
| Non-Hodgkin lymphoma         | 105                     | 18 [16,19]                             | 65 [61,69]                                   | 30                      | 5 [4,6]                                |
| Bladder cancer               | 97                      | 16 [15,18]                             | 71 [67,74]                                   | 25                      | 4 [4,5]                                |
| Kidney cancer                | 77                      | 13 [11,14]                             | 62 [58,66]                                   | 25                      | 4 [3,5]                                |
| Pancreatic cancer            | 57                      | 9 [8,11]                               | 7 [5,10]                                     | 46                      | 8 [7,9]                                |
| Stomach cancer               | 48                      | 8 [7,9]                                | 28 [23,32]                                   | 31                      | 5 [4,6]                                |

- Notes:
- Incidence and mortality data are averaged over the 5 year period from 2003-2007.
  - Incidence and mortality rates have been directly age-standardised to the 2001 Australian Standard population, with 95% confidence intervals shown in brackets.
  - Five-year relative survival calculated using the period method, for persons aged 0-89 years at diagnosis, with 95% confidence intervals shown in brackets. Estimates are for "at risk" cases in the period 1998-2007.
  - Persons data may not reflect sum of males and females due to rounding.

Symbols: \*\* Incidence or mortality counts that averaged less than 5 per year (and the corresponding rates) have been suppressed to protect confidentiality. Counts and rates for persons have also been suppressed when necessary.  
n.a. = not applicable (rates for persons not applicable for sex-specific cancers).

### Notes:

- All data are sourced from the Queensland Cancer Registry. The access and use of these data for reporting purposes is subject to strict confidentiality and privacy constraints.
- Trend lines for incidence numbers have been smoothed using the "Lowess" method.
- Remote areas are defined by the ARIA+ classification (combines Remote and Very Remote).
- Travelling times to radiation treatment are calculated using spatial and road network software, and are approximate based on the shortest road distances at the recommended speed limits.
- "Affluent areas" are the 20% of most advantaged Statistical Local Areas (SLAs) and "Disadvantaged areas" are the 20% of most disadvantaged SLAs as defined by the SEIFA Index of Advantage and Disadvantage obtained from the Australian Bureau of Statistics.
- Census and population data obtained from the Australian Bureau of Statistics.
- "Percent survival" represents relative survival, which is the ratio of the time that cancer patients survive after being diagnosed with cancer to the expected survival of the general population, taking into account age, sex and year of diagnosis. This ratio is then multiplied by 100.



**Disclaimer:** The information in this publication should not be used as a substitute for advice from a properly qualified medical professional who can advise you about your own individual medical needs. It is not intended to constitute medical advice and is provided for general information purposes only. Information on cancer, including the diagnosis, treatment and prevention of cancer, is constantly being updated and revised by medical professionals and the research community.

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