

Cancer Factsheet

Thyroid

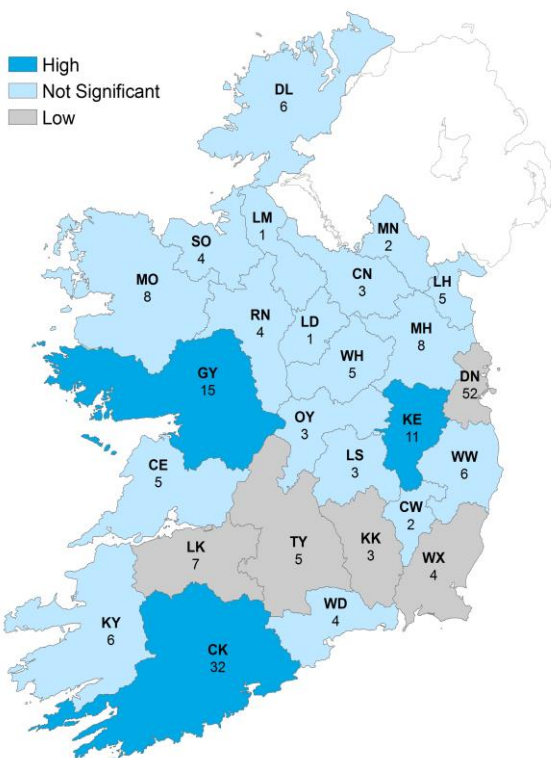
Key facts

| | Females | Males | Total |
|--|------------------|------------------|------------------|
| Number of new cases per year | 206 | 75 | 281 |
| Incidence rate (cases per 100,000 per year) | 8.6 | 3.3 | - |
| Cumulative lifetime risk of diagnosis (to age 74) | 1 in 145 | 1 in 400 | - |
| Percentage of all invasive cancers * | 2.1% | 0.7% | 1.4% |
| Ranking among most common cancers * | 11 th | 19 th | 13 th |
| Number of deaths per year | 18 | 10 | 28 |
| Mortality rate (deaths per 100,000 per year) | 0.66 | 0.45 | - |
| Cumulative lifetime risk of death (to age 74) | <1 in 1000 | <1 in 1000 | 0.3% |
| Percentage of all cancer deaths | 0.5% | 0.2% | - |
| Ranking among most common invasive cancer deaths | 19 th | 18 th | 16 th |
| Number of people with this cancer still alive, end 2014 # | 1749 | 530 | 2279 |
| Number alive per 100,000 | 75 | 23 | - |

*invasive cancers only, excluding non-melanoma skin cancer

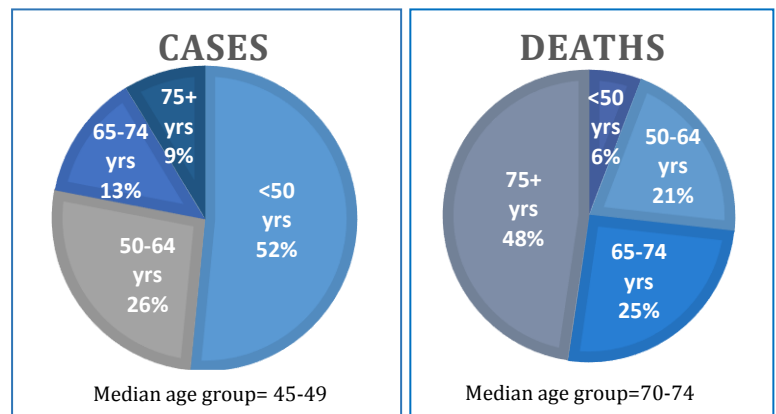
diagnosed since 1994

Cases mapped by county



Annual average number of cases, 2005-2014:
colours indicate higher or lower than expected
based on national rates

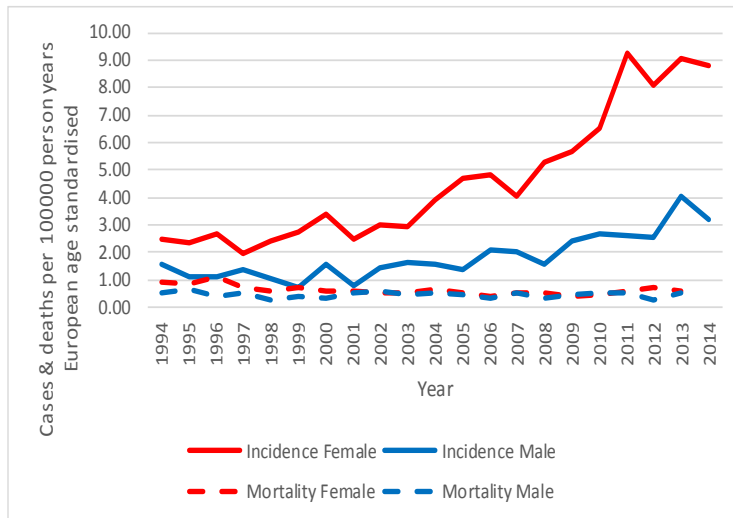
Age profile at diagnosis and death



Top risk factors

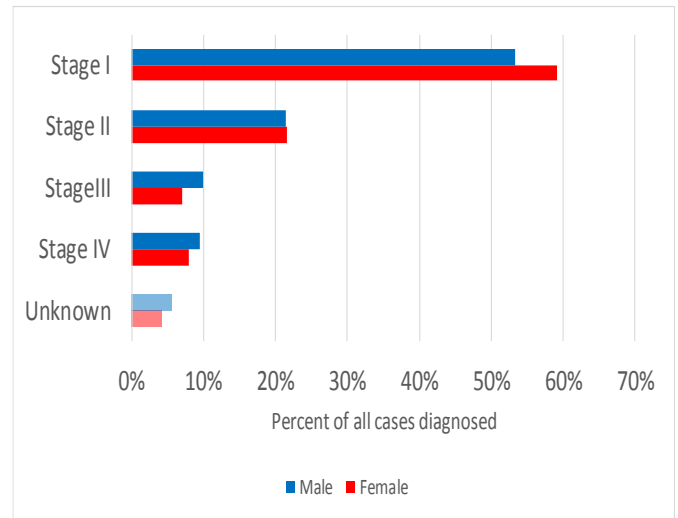
- Being between 25 and 65 years old
 - Being female
- Being exposed to radiation to the head and neck as an infant or child or being exposed to radiation from an atomic bomb
 - History of goiter (enlarged thyroid)
- Family history of thyroid disease or thyroid cancer
- Certain genetic conditions such as familial medullary thyroid cancer (FMTC), multiple endocrine neoplasia type 2A syndrome (MEN2A), and multiple endocrine neoplasia type 2B syndrome (MEN2B)
 - Being Asian

Trend in incidence and mortality



APC[#] Incidence: Males (94-14) 6.4%; Females (94-14) 8.5%
 Mortality: Males (94-13) -0.4%; Females (94-09) -4.7%, (09-13) 12.4%
 # Annual Percentage Change

Stage at diagnosis



Treatment within 1 year

99%
pathologically
diagnosed

1%
Chemotherapy

41%
Radiotherapy

88%
Surgery

% of all cases diagnosed 2012-2014

5 year net survival

| Diagnosed | Net survival (age standardised) | 95% confidence interval |
|-----------|------------------------------------|-------------------------------|
| 1994-1998 | 70.7% | 65.7-75.7% |
| 1999-2003 | 72.3% | 67.6-77.0% |
| 2004-2008 | 82.1% | 78.5-85.7% |
| 2009-2013 | 86.2% | 83.1-89.2% |

*10 year net survival (hybrid analysis):

78.4% (73.1-83.8%)