

NCIN Urology SSCRG

Recent/ongoing work

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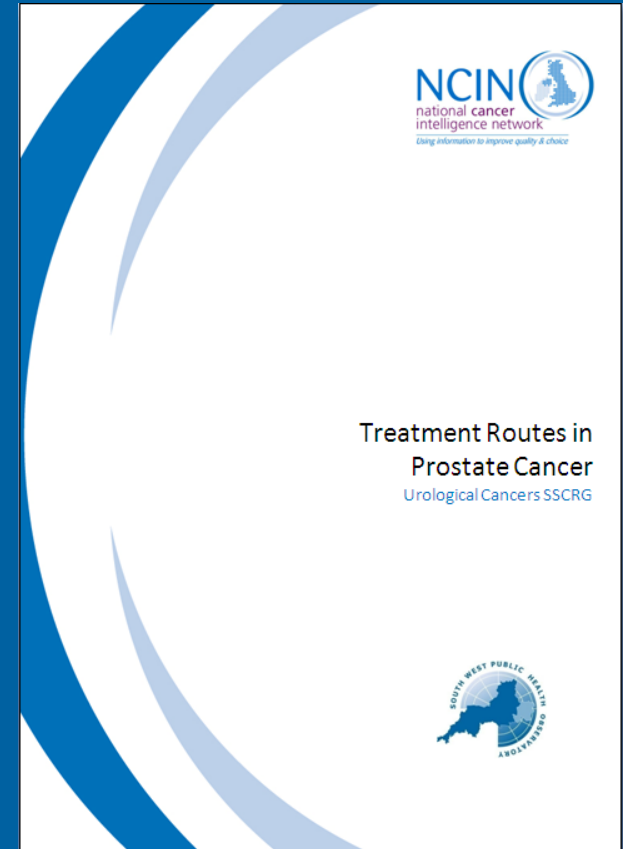
Senior Analyst

Recently completed projects

- Prostate cancer treatment report
- Prostate cancer mortality report
- Data briefing: Non-TCC bladder cancer
- Data quality report
- Updated factsheets and profiles on urology hub

Prostate cancer treatment

- Single year 2009
- Uses new RTDS dataset
- Cancer Waits used to identify 'monitoring' pathways
- Variations with age, region, ethnicity and deprivation



Prostate cancer treatment

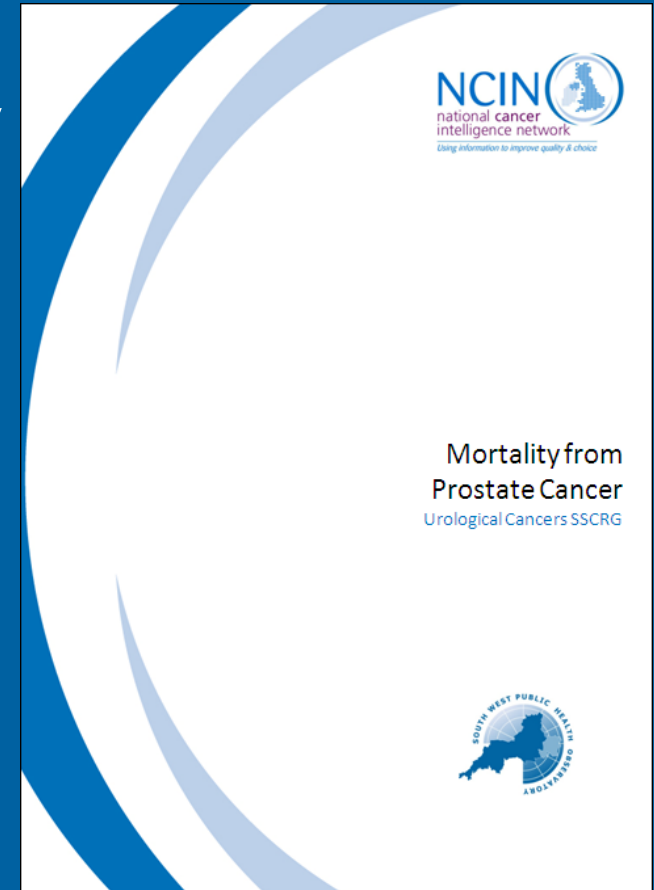
| Income Deprivation Quintile | 1 (Least Deprived) | 2 | 3 | 4 | 5 (Most Deprived) |
|------------------------------|--------------------|-----|-----|-----|-------------------|
| No Recorded Treatment | 21% | 22% | 21% | 21% | 22% |
| 'Active Monitoring' | 15% | 15% | 14% | 14% | 14% |
| Hormones | 21% | 23% | 25% | 26% | 28% |
| Hormones + Radiotherapy | 15% | 15% | 16% | 15% | 14% |
| Prostatectomy | 12% | 11% | 10% | 9% | 10% |
| Prostatectomy + Hormones | 0% | 0% | 0% | 0% | 0% |
| Prostatectomy + Radiotherapy | 1% | 1% | 1% | 1% | 1% |
| Radiotherapy | 9% | 9% | 9% | 9% | 9% |
| Brachytherapy | 2% | 2% | 1% | 1% | 1% |

Statistical significance compared to England average.

| Income Deprivation Quintile | 1 (Least Deprived) | 2 | 3 | 4 | 5 (Most Deprived) |
|------------------------------|--------------------|--------|---|--------|-------------------|
| No Recorded Treatment | | | | | |
| 'Active Monitoring' | | Higher | | | |
| Hormones | Lower | | | Higher | Higher |
| Hormones + Radiotherapy | | | | | Lower |
| Prostatectomy | Higher | Higher | | Lower | |
| Prostatectomy + Hormones | | | | | |
| Prostatectomy + Radiotherapy | | | | | |
| Radiotherapy | | | | | |
| Brachytherapy | Higher | | | Lower | Lower |

Prostate cancer mortality

- Trends from 1995-97 to 2007-09
- Variations with age, region, ethnicity and deprivation

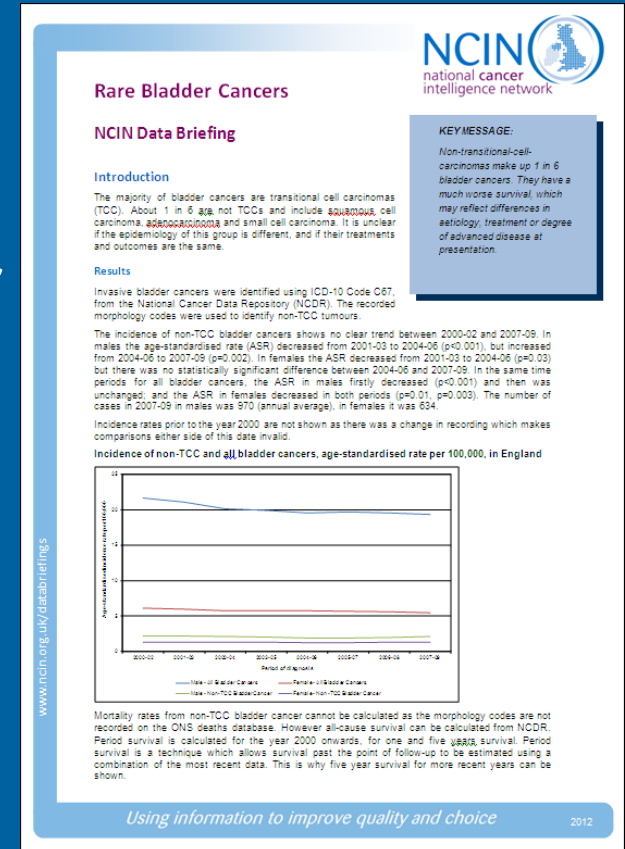


Prostate cancer mortality

- No variation in mortality with deprivation
- Although rates of death decreasing in all age groups the number of deaths in those aged 80+ is increasing
- Mortality rates are higher in black men
- Regional variations are becoming smaller

Data briefing: Non-TCC bladder cancers

- Incidence, survival and treatment of non-TCC bladder cancers
- Survival much worse; e.g Males 1 year 38% vs 75%
- Lower proportion receive any treatment, surgical intervention in particular



Data quality report

- Completeness of stage of all urological cancers, 2007-09
- Detailed look at bladder cancer histology, ethnicity and treatment
- Stage recording generally poor – lots of work on improving this

Updates to factsheets and profiles



Urological Cancer Hub



Kidney Cancer Incidence, Mortality and Survival Rates in England: Summary

June 2012

This summary factsheet presents data for ICD-10 C64 "Malignant neoplasm of kidney cancer, except renal pelvis". The most recent incidence and mortality data have been used.

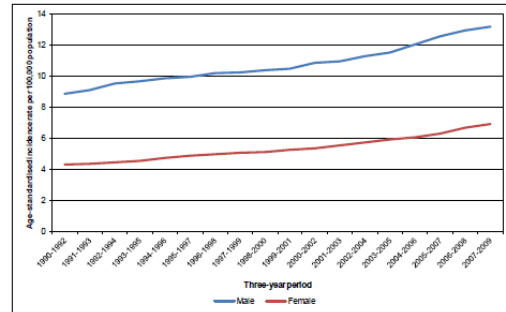
Incidence rates

In England, the age-standardised incidence rate of kidney cancer is almost twice as high in males as in females (p<0.001 for 2007-09), the rate in males is 13.2 per 100,000 compared to 6.9 per 100,000 in females (Figure 1). In 2007-09, there were an average of 2,438 new cases of kidney cancer per year in females and 3,968 per year in males.

For both sexes, the incidence rate has increased from 1990-92 to 2007-09 (p<0.001 for both sexes). During this period the age-standardised rate in males increased from 8.9 per 100,000 (2,170 cases per year on average) to 13.2 per 100,000, while in females the increase was from 4.3 per 100,000 (1,337 cases per year on average) to 6.9 per 100,000 females.

The increase in rates of kidney cancer is thought to be partly explained by the increased use of imaging, resulting in the detection of asymptomatic disease (Cancer Research UK).

Figure 1: Age-standardised incidence rates (per 100,000 population) of kidney cancer (ICD-10 C64), for males and females, England 1990-2009



Source: South West Public Health Observatory from National Cancer Information Service

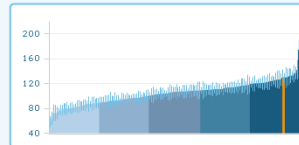
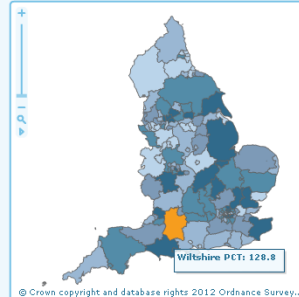


Prostate Cancer >> Prostate Cancer Incidence - 2007-09 >> DSR per 100,000 men

Urological Cancer Profiles - Primary Care Trusts



Data Filter Clear Legend Print
Table/Map Help Download Data



Primary Care Trusts
 58.1 - 88.6
 88.7 - 100.1
 100.2 - 108.3
 108.4 - 118.3
 118.4 - 174.2
 Strategic Health Authorities

| Indicator | Area | Local No / Y... | Local Value | England Ave... | England Worst | Current Performance | England Best |
|------------------------------------|---------------|-----------------|-------------|----------------|---------------|---------------------|--------------|
| Prostate Cancer | | | | | | | |
| Prostate Cancer Incidence - 20... | Wiltshire PCT | 393 | 128.8 | 104.1 | 58.1 | | 174.2 |
| Prostate Cancer Mortality - 200... | Wiltshire PCT | 91 | 24.9 | 23.9 | 15.1 | | 30.9 |
| Prostate Cancer 5 Year Survival... | Wiltshire PCT | 1,690 | 89 | 84.2 | 59.1 | | 93.6 |
| Prostate Cancer 1 Year Survival... | Wiltshire PCT | 1,752 | 96.6 | 95.4 | 90.4 | | 99.7 |
| Bladder Cancer | | | | | | | |
| Bladder Cancer Incidence - Men... | Wiltshire PCT | 65 | 20.6 | 19.4 | 11.5 | | 31.5 |
| Bladder Cancer Incidence - Wo... | Wiltshire PCT | 20 | 4.8 | 5.5 | 2.3 | | 11.3 |
| Bladder Cancer Mortality - Men ... | Wiltshire PCT | 25 | 7.3 | 7.8 | 3.8 | | 13.2 |
| Bladder Cancer Mortality - Wem... | Wiltshire PCT | 14 | 2.6 | 2.7 | 0.8 | | 5.6 |
| Bladder Cancer 5 Year Survival ... | Wiltshire PCT | 238 | 68.3 | 58.9 | 35.4 | | 78.3 |
| Bladder Cancer 5 Year Survival ... | Wiltshire PCT | 79 | 54.9 | 46.8 | 22.4 | | 78.4 |
| Bladder Cancer 1 Year Survival ... | Wiltshire PCT | 261 | 81.3 | 77.6 | 60.4 | | 86.9 |
| Bladder Cancer 1 Year Survival ... | Wiltshire PCT | 89 | 70 | 64.3 | 43.6 | | 90 |
| Kidney Cancer | | | | | | | |
| Kidney Cancer Incidence - Men ... | Wiltshire PCT | 38 | 12.9 | 13.2 | 4.8 | | 20.7 |
| Kidney Cancer Incidence - Wem... | Wiltshire PCT | 25 | 7.4 | 6.9 | 3.5 | | 11.1 |
| Kidney Cancer Mortality - Men 2... | Wiltshire PCT | 15 | 4.8 | 5.6 | 0.4 | | 8.2 |
| Kidney Cancer Mortality - Wome... | Wiltshire PCT | 11 | 2.8 | 2.8 | 0.5 | | 5.7 |
| Kidney Cancer 5 Year Survival ... | Wiltshire PCT | 152 | 59.5 | 49.6 | 29.9 | | 79.3 |
| Kidney Cancer 5 Year Survival ... | Wiltshire PCT | 70 | 44.6 | 50.7 | 29 | | 87.8 |
| Kidney Cancer 1 Year Survival ... | Wiltshire PCT | 167 | 72.1 | 69.7 | 52.2 | | 91.6 |
| Kidney Cancer 1 Year Survival ... | Wiltshire PCT | 87 | 69 | 67.9 | 47.4 | | 94.7 |
| Testicular Cancer | | | | | | | |
| Testicular Cancer Incidence - 2... | Wiltshire PCT | 19 | 9.1 | 7.1 | 2.9 | | 12.8 |
| Testicular Cancer 5 Year Surviv... | Wiltshire PCT | 83 | 96.5 | 96.9 | 86.5 | | 101.9 |
| Testicular Cancer 1 Year Surviv... | Wiltshire PCT | 92 | 97 | 98.2 | 85.9 | | 101.2 |
| Associated Indicators | | | | | | | |
| Income Deprivation Score | Wiltshire PCT | | 8.8 | 15.6 | 7.2 | | 41.2 |

Significance compared with England average: worse (red dot), better (green dot), none (yellow dot), could not be calculated (grey diamond)
 England Average | SHA Value
 Q0 to Q1 | Q1 to Q3 | Q3 to Q4

Current projects

- Rare urological cancers
- Penile cancer: incidence, treatment and outcomes

Rare urological cancers

- Penile, testicular, renal pelvis & ureter, small cell prostate, non-TCC bladder cancer
- Incidence, mortality and survival
- Indications are that the rarer forms of the larger cancer groups tend to do much worse

Penile cancer

- Incidence of malignant and in-situ tumours
- Treatment by type, deprivation
- Reconstruction
- Progression from in-situ to malignant

Planned projects

- Radiotherapy use in urological cancers
- Kidney cancer survival: morphology, grade/stage
- Data briefing: trends in grade of bladder cancers
- Updates to:
 - Data quality report
 - Factsheets
 - Profiles

www.ncin.org.uk/urologicalcancer



South West Public Health Observatory

