

The role of SWPHO in urological cancers analysis

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2nd July 2010

The role and organisation of cancer registries

- Eight registries in England, one each in Scotland, Wales and NI
- Some integrated with PHOs (South West PHO)
- Register all residents and those treated in area of coverage
- Specialist areas divided amongst registries – SWPHO is lead for urological cancers

Data collected

- All cases of malignant and benign cancers (except non-melanoma skin cancers)
- Pathology reports for verification and staging
- Treatment data
 - Surgery (cross ref. to HES)
 - Radiotherapy/Chemotherapy direct from trusts (issues of completeness)
- Personal data

Data collected – the national dataset

- National Cancer Data Repository (NCDR)
- Commissioned by NCIN
- Created by merging registrations from each registry
- Amalgamated treatment data too, but not each registry comparable
- Carries much the same data as local registry records

Accessible data

- Hospital Episode Statistics (HES) – inpatient treatments
- ONS yearly mortality extracts
- Monthly public health mortality updates
- Populations
- Reference data for deprivation, rurality etc.
- BAUS dataset

Accessible data

- Hospital Episode Statistics (HES) for inpatient treatments
 - OPCS codes for treatments
 - ICD-10 for diagnosis
 - Hospital/Consultant data
 - Ethnicity
- ONS yearly mortality extracts
 - Causes of death, all listed and underlying
 - Place of death codes
 - Occupation (limited)

Urological Cancer Hub

The screenshot shows the Urological Cancer Hub website. At the top, there is a navigation bar with links: Hub Home, SWPHO Home, About the Hub, Contact us, Feedback, News, Events, and Latest resources. A search box is also present. The main header features the Urological Cancer Hub logo and a banner for the 'New Urological Cancer Hub' with a 'Read more...' link. Below the banner, a 'Welcome' section states the website's purpose and funding sources: the National Cancer Intelligence Network (NCIN) and the South West Public Health Observatory. The main content area is divided into four sections: 'Urological Cancer Profiles' (comparing statistics across Cancer Networks, Local Authorities, and Primary Care Trusts), 'Resources' (providing factsheets, analysis, and guidance), 'Projects' (details of ongoing projects), and 'Worried about urological cancer?' (information on treatment). The right sidebar includes a sign-up for email alerts, a link to tell a friend about the webpage, and logos for NCIN, ukacr, and NHS. The footer contains copyright information (© 2010 SWPHO), a sitemap, and various policies. The browser's address bar shows 'Internet' and the page is zoomed to 100%.

What types of analysis?

- Variation with age, sex, geography, deprivation
- Numbers of surgical treatments/admissions
- Histology variation
- Stage (with support from BAUS)
- Effects of centralisation – hospital workload

Recent and ongoing analyses

- Prostate cancer mortality by income deprivation
- Significance of pre-surgical events in predicting positive surgical margins/recurrence
- In-depth breakdown of prostate and bladder cancer statistics for urological cancer hub
- Hormone therapy in relation to skeletal events
- Variation in penile cancer/centralisation completeness
- Linking PROTECT data to HES records and registry data
- Histology for trusts in Somerset
- Survival from prostate cancer by stage (NCIN data briefing)

Conclusion

- Registries offer access to large datasets
- Can be enriched with data from other population-based sources
- Source of statistical expertise

<http://www.swpho.nhs.uk/urologicalcancerhub/home.aspx>