

# Cancer data flows

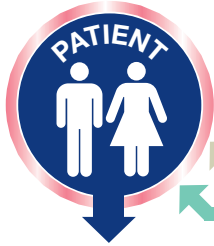
draft document July 2014

## PHE National Cancer Intelligence Network (NCIN)

This data flow illustrates how the PHE National Cancer Intelligence Network and PHE Knowledge & Intelligence Teams transform cancer data into intelligence. Our analyses help to drive improvements in prevention, standards of cancer care and clinical outcomes for cancer patients.

The cancer landscape in England has changed considerably in recent times, to reflect a move towards a more integrated public health approach to disease.

Cancer remains a significant public health burden, and is the leading cause of death in all UK nations.



Clinicians  
Charities  
Commissioners  
Policymakers

## PHE NCIN Outputs

### Tools

- Cancer Commissioning Toolkit, including GP Practice, CCG and Service Profiles
- Cancer e-atlas: incidence, mortality, prevalence, survival and gynaecological hub

### Information

- NCIN central analytical projects
- NCIN Site-Specific Clinical Reference Group (SSCRG) projects

### Examples of geographies analysed by: NHS ENGLAND

- c. 7,600 GP Practices
- 211 Clinical Commissioning Groups CCG
- 161 Acute Hospital Trusts
- 27 Local Area Teams LAT
- 23 Commissioning Support Units CSU
- 15 Academic Health Science Networks
- 12 Strategic Clinical Networks SCN
- 12 Clinical Senates
- 10 Specialised Commissioning Hubs

### PUBLIC HEALTH ENGLAND

- c. 150 Local Authorities
- c. 140 Health & Wellbeing Boards
- 8 Disease Registration Teams
- 8 Knowledge and Intelligence Teams\*

### UK CONSTITUENT NATIONS

- 5 N. Ireland Health & Social Care Trusts
- 14 Scotland Health Boards
- 7 Wales Health Boards

### \*PHE Knowledge and Intelligence Teams (KITs)

East	East Midlands
London	North West
Northern & Yorkshire	South East
South West	West Midlands

## Cancer Outcomes and Services Dataset (COSD)

Specification for standardised, mandatory and optional data fields; applicable to some datasets below.

### Direct COSD feeds; trust-level

- Patient Administration Systems
- Data from MDT software
- Pathology full-text reports
- Imaging systems

### Indirect COSD feeds; national

- Cancer Waiting Times
- Systemic Anti-Cancer Dataset (SACT) *Chemotherapy*
- Radiotherapy Dataset (RTDS)

### Other

- HSCIC Hospital Episode Statistics
- Cancer screening programmes
- ONS – cancer and non-cancer deaths
- National Cancer Audits
- National PET-CT imaging (*in testing*)

## PHE National Cancer Registration Service (NCRS)

### 8 regional registration teams

Eastern, East Midlands, London, Northern and Yorkshire, North West, Oxford, South West and West Midlands

includes

- Coding and Classification Group
- Data Quality and Registration

### Single cancer registration system

English National Cancer Online Registration Environment  
**ENCORE**

Anonymised patient/tumour level cancer registrations data from:

- Information and Services Division **Scotland**
- **Welsh** Cancer and Intelligence Surveillance Unit
- **Northern Ireland** Cancer Registry

## Cancer Analysis System (CAS) & Cascade

**CAS** holds a large number of datasets

**Cascade** holds UK incidence, mortality and survival statistics only

### Data linkage in CAS at patient/tumour level

#### Current data in CAS

Incidence	Mortality
Historical registry data	Geographical lookups
Radiotherapy (RTDS)	PROMs
Populations	Audit

#### Hospital Episode Statistics (HES):

*Admitted Patient Care (Inpatients and Day Case), Outpatients and Accident & Emergency*

**Cancer Waiting Times** (*treatment dataset*)

Derived fields eg

**Ethnicity, Routes to Diagnosis, Deprivation**

#### Coming soon...

<b>Chemotherapy</b> (SACT)	<b>Screening</b>
<b>Patient Experience</b> (CPES)	<b>Biobank</b>
<b>Comorbidities</b>	

**PHE Office for Data Release**  
Dealing with data access requests

**Researchers**