



Public Health
England

National Cancer Intelligence Network

Cancer Informatics in the ‘new NHS’: PHE and NCIN 18 months on....

Mick Peake
Clinical Lead, National Cancer Intelligence Network

The Health & Social Care Bill 2012: Two New Organisations from April 2013

■ NHS England

- “The purpose of NHS England is to use the £80bn commissioning budget to secure the best possible outcomes for patients”
- To ensure the whole commissioning architecture is in place; will also commission some services directly

■ Public Health England (PHE)

- Information & Intelligence to support local PH and public making healthier choices
- National Leadership to PH, supporting national policy
- Development of PH workforce
- A civil service function, not NHS



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Data Drivers

- Government
 - A spotlight on the role of data and transparency
- Commissioning
 - NHS Outcomes Framework
- Regulation
 - New regulation framework (CQC & Monitor)
- The ‘public’, patients and families
 - (e.g. ‘Friends and family test’)



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Providers of information in the new NHS

- Main sources/providers
 - Health & Social Care Information Centre (HSCIC)
 - National Audits
 - ONS
 - PHE (Civil Service)- Cancer Registries
 - NHS England Business Intelligence Teams (ATS/CSU)
- Information Intermediaries (e.g. CRUK, Dr Foster, MacMillan)



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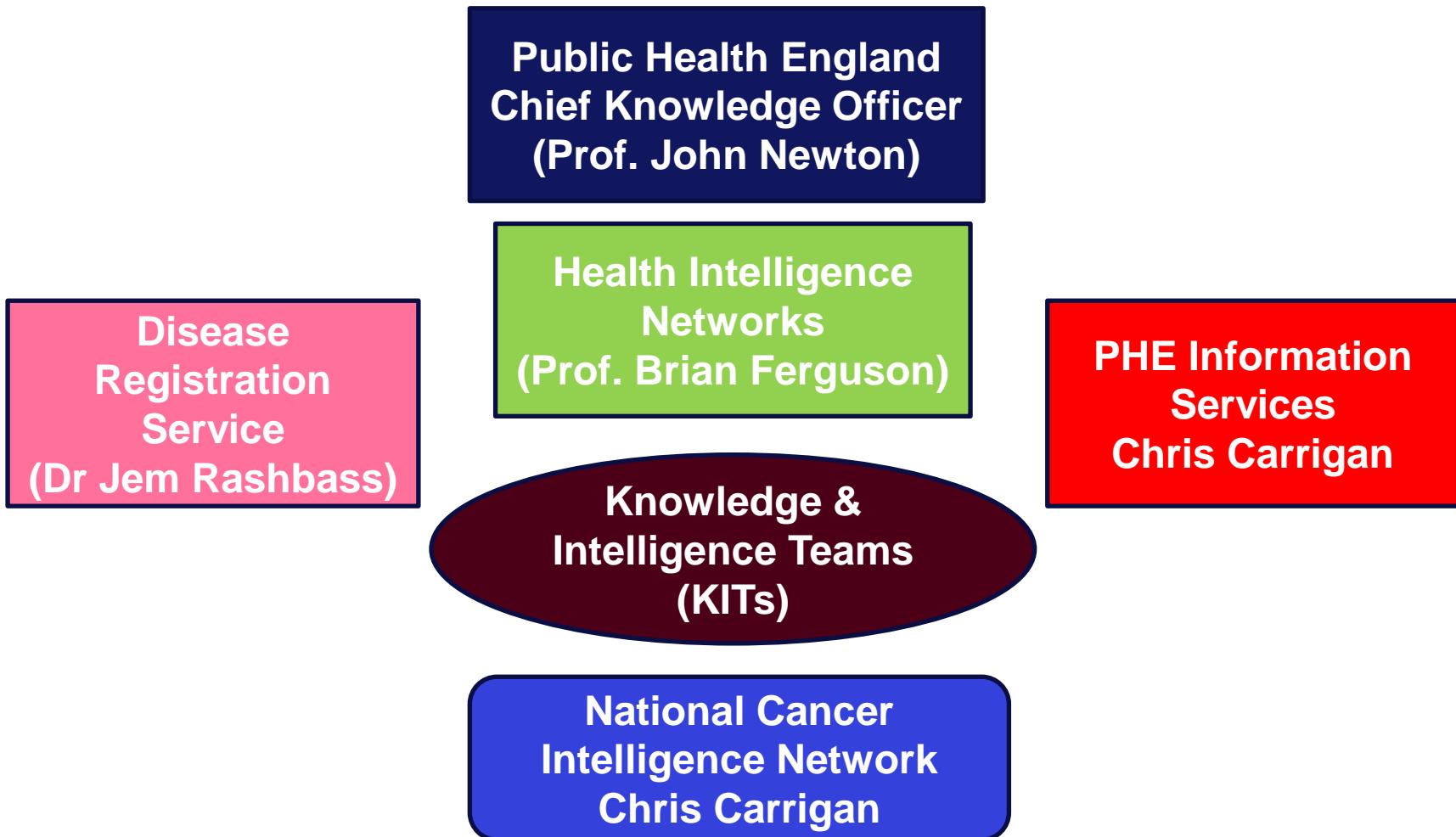


Public Health England

Knowledge Directorate

- National Cancer Registration Service
- Analytical workforce from 8 registries moved into regional Knowledge and Intelligence Teams (KITs)
 - SSCRG Lead Area Work Programmes
 - Local contribution
- Health Intelligence Networks (HINs):
 - Mental Health, Maternal & Child Health, Cardiovascular & Diabetes, End of Life, **NCIN**

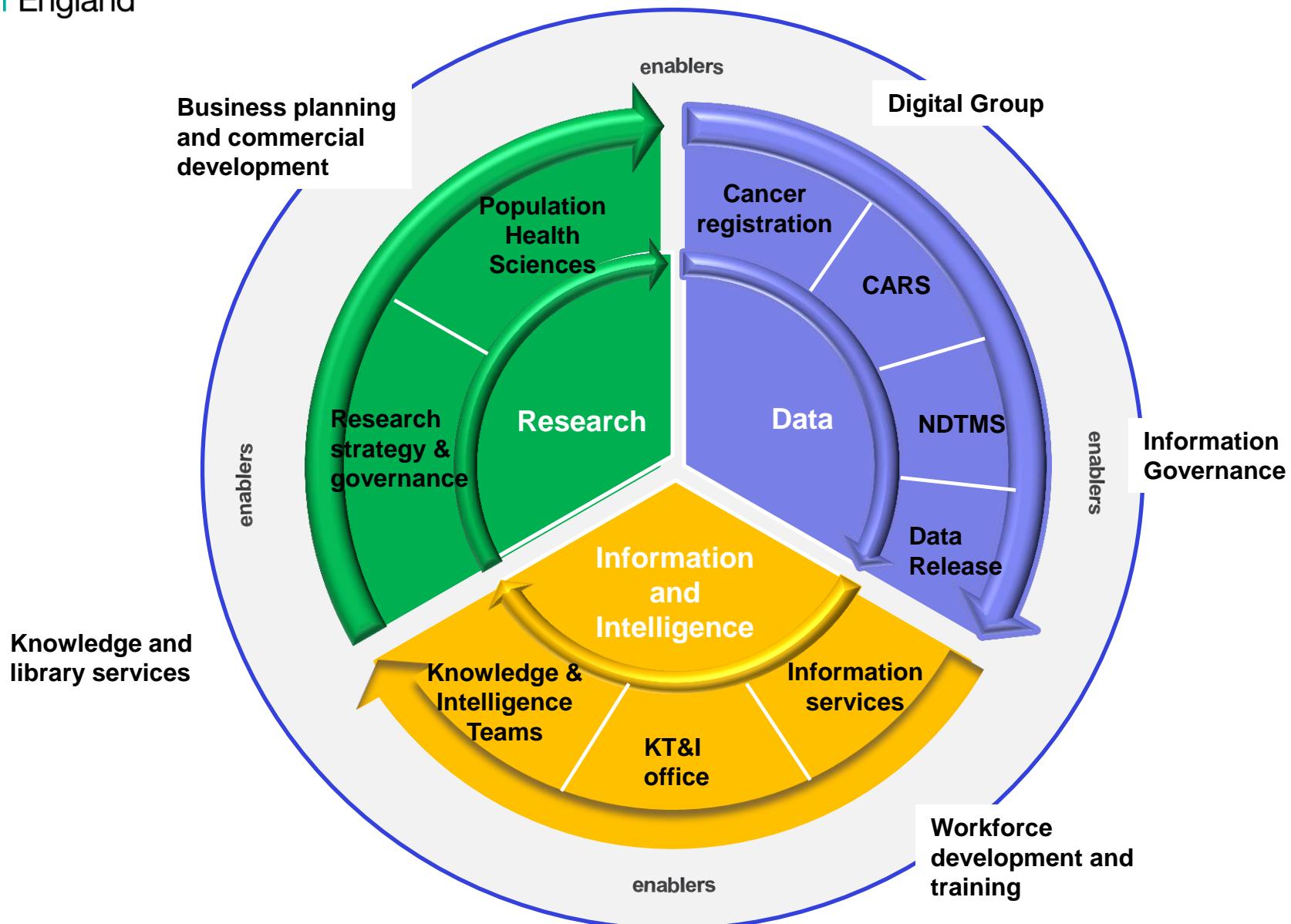
Public Health England: Emerging ‘Intelligence’ Structures





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Chief Knowledge Office (CKO)



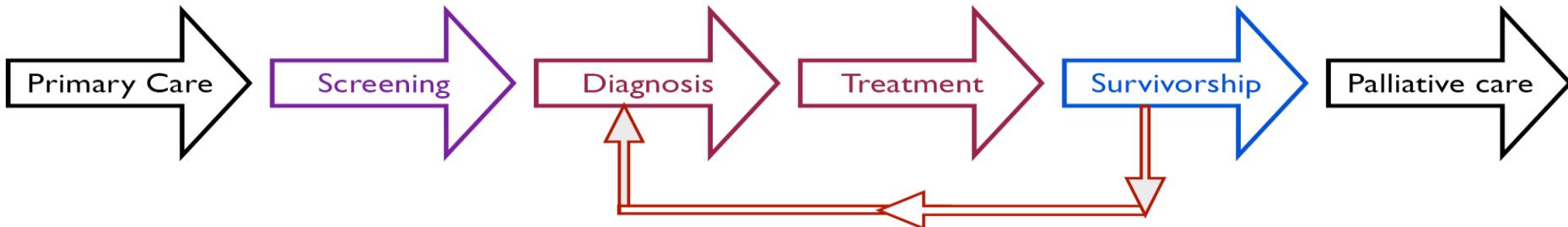
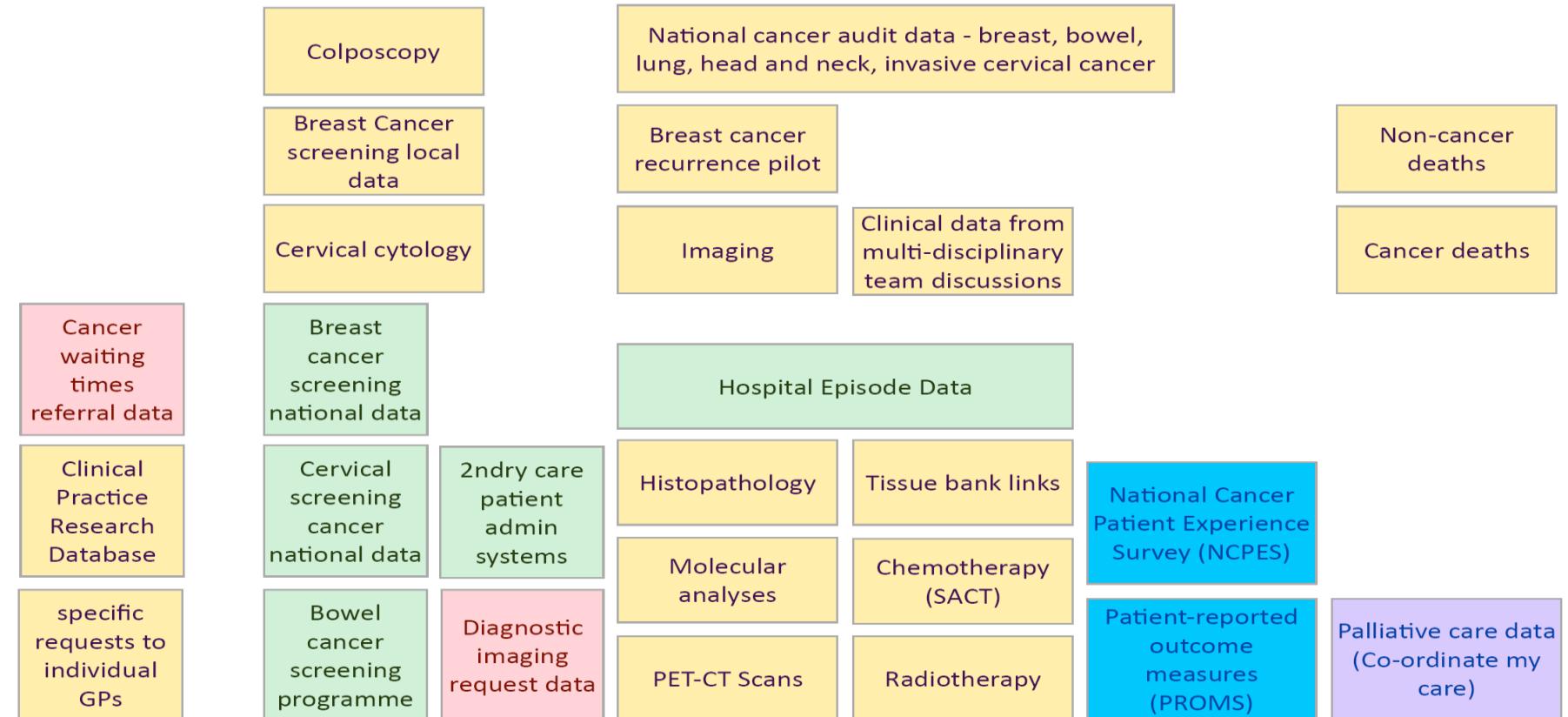


The English National Cancer Registration System

- Comprehensive data collection and quality assurance over the entire cancer care pathway on all patients treated in England
- Single national system across England
- Routine electronic sources in registry practice
- Single integrated workforce – split off from the analytical work force
- Director of Disease Registration
- Evolving operational links with hospital leads
- Pan-England roll-out completed September 2013



National Cancer Registration Service: Data Sources

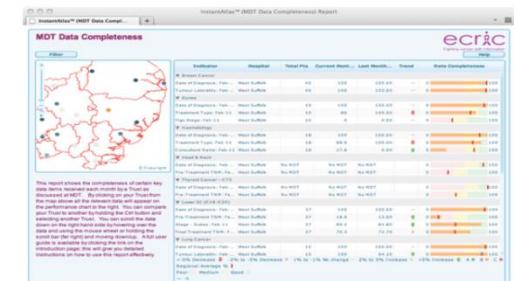
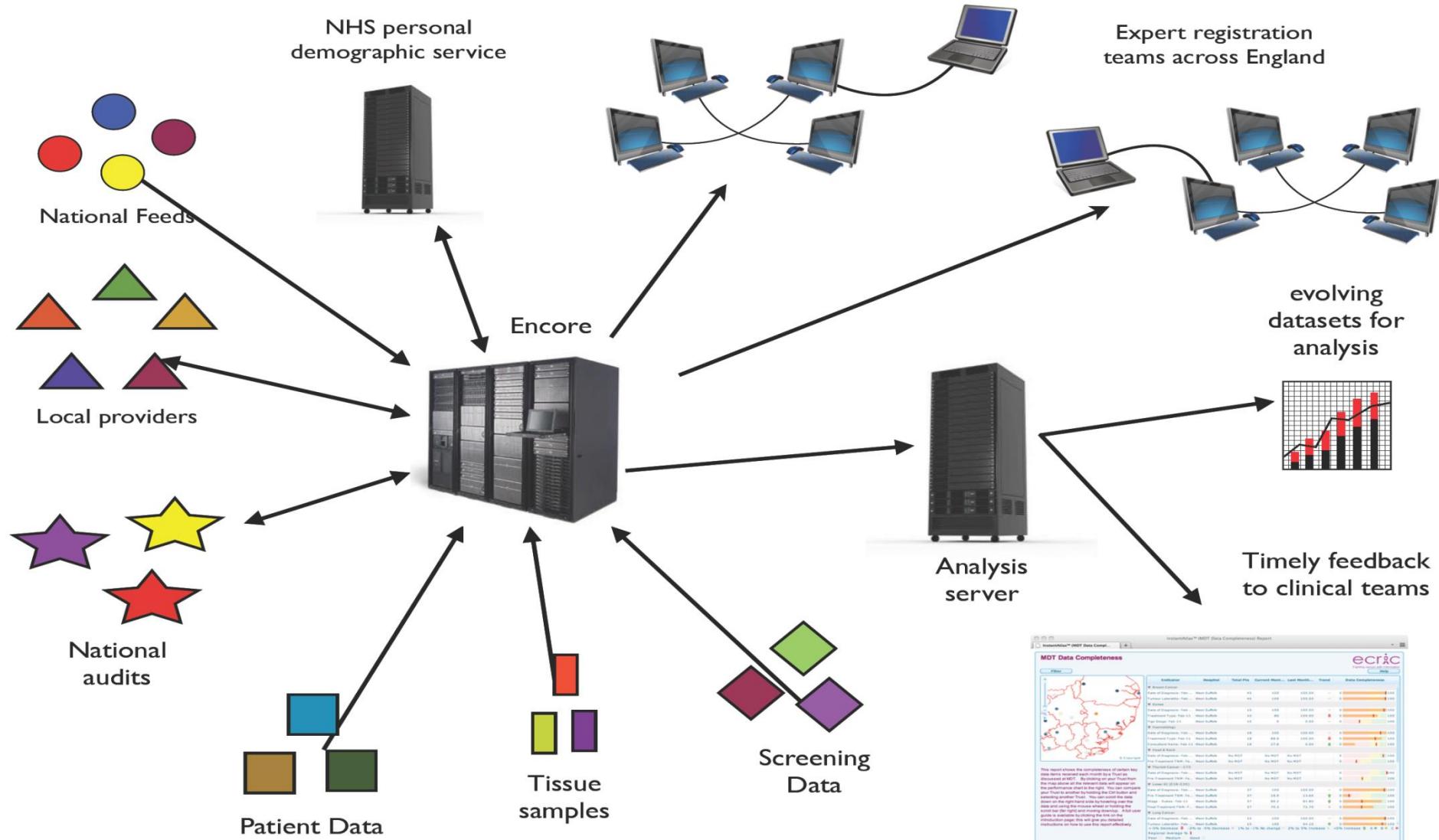




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NCRS – ENCORE

(English National Cancer Online Registration Environment)



NHS England – current structures

- One national office in Leeds
- **4** regions, directly commission primary care & specialist services
- **10** specialised commissioning hubs within **27** Area Teams
- **12** clinical senates – clinical advice/leadership at strategic level to CCGs and HWBs
- **12** strategic Clinical Networks (up to 5 years)
- **12** Academic Health Science Networks
- **18** Commissioning Support Units – support to CCGs
- **27** Area Teams will support CCG development
- **211** Clinical Commissioning Groups (CCGs)
- **152** Health and Well Being Boards



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Specialist Commissioning

- **National Service Specifications** (e.g. radiotherapy, chemotherapy, mesothelioma, upper GI cancer, specialised urology, surgery....)
- **Clinical Reference Groups** - 12 relating to cancer (e.g. chemotherapy, radiotherapy, upper GI surgery, thoracic surgery.....)
.....under review
- **New Lung CRG** (not directly analogous to the other CRGs)

Clinical Reference Groups - cancer

- Radiotherapy – *Peter Kirkbride and Adrian Crellin*
- PET-CT - *Wai Lup Wong*
- Specialised Cancer - *Sean Duffy*
- Blood and Marrow transplantation - *Antonio Pagliuca*
- Thoracic surgery - *Richard Page*
- Upper GI Surgery - *William Allum*
- Sarcoma - *Jeremy Whelan*
- CNS tumours - *Paul Grundy*
- Specialised urology - *Vijay Sangar*
- Chemotherapy - *Peter Clark*
- Complex Head & Neck - *Peter Thomson*
- Teenage and Young People Cancer - *Rachael Hough*

NHS Outcome Framework

2013/14 Dashboard

| 1 Preventing people from dying prematurely | | | | 3 Helping people to recover from episodes of ill health | | | | 1 Preventing people from dying prematurely | | | |
|---|--------------|------------------------|-------------------------------------|---|-------------|-----------------|------|--|--------------|------------------------|-------------------------------------|
| Overarching indicators | | | | Overarching indicators | | | | Overarching indicators | | | |
| | Latest data | Indicator value | Unit | | Latest data | Indicator value | Unit | | Latest data | Indicator value | Unit |
| 1a.i Potential Years of Life Lost (PYLL) from causes considered amenable to health care - Adults | 2011 | M - 2,157 F - 1,700 | per 100,000 population | 3a.i Emergency admissions for acute conditions that should not usually require hospital admission (all ages) | | | | 1a.i Potential Years of Life Lost (PYLL) from causes considered amenable to health care - Adults | 2011 | M - 2,157 F - 1,700 | per 100,000 population |
| 1a.ii - Children and young people | 2011 | M - 616 F - 531 | per 100,000 population | 3a.ii Emergency admissions within 30 days of discharge from hospital | | | | 1a.ii - Children and young people | 2011 | M - 616 F - 531 | per 100,000 population |
| 1b.i Life expectancy at 75 - Males | 2010 | 11.3 | period expectations of life - years | 3a.iii Improvement areas | | | | 1b.i Life expectancy at 75 - Males | 2010 | 11.3 | period expectations of life - years |
| 1b.ii Life expectancy at 75 - Females | 2010 | 13.1 | period expectations of life - years | 3a.I.1 Total health gain as assessed by patients for elective procedures - Hip replacement | | | | 1b.ii Life expectancy at 75 - Females | 2010 | 13.1 | period expectations of life - years |
| Improvement areas | | | | 3a.I.2 Knee replacement | | | | Improvement areas | | | |
| 1.1 Under 75 mortality rate from cardiovascular disease | 2011 | 58.0 | per 100,000 population | 3a.I.3 Groin hernia | | | | 1.1 Under 75 mortality rate from cardiovascular disease | 2011 | 58.0 | per 100,000 population |
| 1.3 Under 75 mortality rate from respiratory disease | 2011 | 23.5 | per 100,000 population | 3a.IV Varicose veins | | | | 1.2 Under 75 mortality rate from respiratory disease | 2011 | 23.5 | per 100,000 population |
| 1.8 Under 75 mortality rate from liver disease | 2011 | 14.9 | per 100,000 population | 3a.V Psychological therapies | | | | 1.3 Under 75 mortality rate from liver disease | 2011 | 14.9 | per 100,000 population |
| 1.4 Under 75 mortality rate from cancer | 2011 | 107 | per 100,000 population | 3a.VI Emergency admissions for children with lower respiratory tract infections | | | | 1.4 Under 75 mortality rate from cancer | 2011 | 107 | per 100,000 population |
| 1.4.I One-year survival from colorectal cancer * | 2006-2010_11 | 74.4 | % | 3a.VII An indicator on recovery from injuries and trauma | | | | 1.4.I One-year survival from colorectal cancer * | 2006-2010_11 | 74.4 | % |
| 1.4.II Five-year survival from colorectal cancer * | 2006-2010_11 | 55.3 | % | 3a.VIII Proportion of stroke patients reporting an improvement in activity/lifestyle on the Modified Rankin Scale at 6 months | | | | 1.4.II Five-year survival from colorectal cancer * | 2006-2010_11 | 55.3 | % |
| 1.4.III One-year survival from breast cancer * | 2006-2010_11 | 95.5 | % female | 3a.VIX Proportion of patients with a fragility fracture recovering to their previous levels of mobility at 30 days | | | | 1.4.III One-year survival from breast cancer * | 2006-2010_11 | 95.5 | % female |
| 1.4.IV Five-year survival from breast cancer * | 2006-2010_11 | 84.3 | % female | 3a.VI.1 Proportion of patients with a fragility fracture recovering to their previous levels of mobility at 120 days | | | | 1.4.IV Five-year survival from breast cancer * | 2006-2010_11 | 84.3 | % female |
| 1.4.V One-year survival from lung cancer * | 2006-2010_11 | 31.8 | % | 3a.VI.2 Proportion of older people (65 and over) who were still at home 91 days after discharge from hospital into reablement/rehabilitation services | | | | 1.4.V One-year survival from lung cancer * | 2006-2010_11 | 31.8 | % |
| 1.4.VI Five-year survival from lung cancer * | 2006-2010_11 | 9.8 | % | 3a.VII Proportion offered rehabilitation following discharge from acute or community hospital | | | | 1.4.VI Five-year survival from lung cancer * | 2006-2010_11 | 9.8 | % |
| 1.6.Excess under 75 mortality rate in adults with serious mental illness | 2010/11 | 921 | absolute gap per 100,000 population | NHS Outcomes | | | | 1.4.VII Proportion offered rehabilitation following discharge from acute or community hospital | | | |
| 1.6.I Infant mortality | 2011 | 4.2 | per 1,000 births | * Data displayed are for 2012/13 indicators as data for 2013/14 are not available | | | | 1.4.VIII Proportion offered rehabilitation following discharge from acute or community hospital | | | |
| 1.6.II Neonatal mortality and stillbirths | 2011 | 8.2 | per 1,000 births | 20XX indicates calendar year 20XXXX indicates financial year | | | | 1.4.VIII Proportion offered rehabilitation following discharge from acute or community hospital | | | |
| 1.6.III Five-year survival from all cancers in children | | | Indicator to be developed | 20XX indicates calendar year 20XXXX indicates financial year | | | | 1.4.VIII Proportion offered rehabilitation following discharge from acute or community hospital | | | |
| 1.7.Excess under 50 mortality rate in adults with a learning disability | | | Indicator to be developed | 20XX indicates calendar year 20XXXX indicates financial year | | | | 1.4.VIII Proportion offered rehabilitation following discharge from acute or community hospital | | | |
| 2 Enhancing quality of life for people with long-term conditions | | | | 20XX indicates calendar year 20XXXX indicates financial year | | | | 1.4.VIII Proportion offered rehabilitation following discharge from acute or community hospital | | | |
| Overarching indicators | | | | 20XX indicates calendar year 20XXXX indicates financial year | | | | 1.4.VIII Proportion offered rehabilitation following discharge from acute or community hospital | | | |
| | Latest data | Indicator value | Unit | 20XX indicates calendar year 20XXXX indicates financial year | | | | 1.4.VIII Proportion offered rehabilitation following discharge from acute or community hospital | | | |
| 2 Health-related quality of life for people with long-term conditions | Jul12-Mar13 | 0.73 | avg EQ-5D score | 20XX indicates calendar year 20XXXX indicates financial year | | | | 1.4.VIII Proportion offered rehabilitation following discharge from acute or community hospital | | | |
| Improvement areas | | | | 20XX indicates calendar year 20XXXX indicates financial year | | | | 1.4.VIII Proportion offered rehabilitation following discharge from acute or community hospital | | | |
| 2.1 Proportion of people feeling supported to manage their condition | Jul12-Mar13 | 69.3 | % | 20XX indicates calendar year 20XXXX indicates financial year | | | | 1.4.VIII Proportion offered rehabilitation following discharge from acute or community hospital | | | |
| 2.2 Employment of people with long-term conditions | Jan-Mar13 | 11.8 | % gap | 20XX indicates calendar year 20XXXX indicates financial year | | | | 1.4.VIII Proportion offered rehabilitation following discharge from acute or community hospital | | | |
| 2.3.I Unplanned hospitalisation for chronic ambulatory care sensitive conditions (all ages) | 2011/12 | 801 | per 100,000 population | 20XX indicates calendar year 20XXXX indicates financial year | | | | 1.4.VIII Proportion offered rehabilitation following discharge from acute or community hospital | | | |
| 2.3.II Unplanned hospitalisation for asthma, diabetes and epilepsy in under 18s | 2011/12 | 321 | per 100,000 population | 20XX indicates calendar year 20XXXX indicates financial year | | | | 1.4.VIII Proportion offered rehabilitation following discharge from acute or community hospital | | | |
| 2.4 Health-related quality of life for carers | Jul12-Mar13 | 0.8 | avg EQ-5D score | 20XX indicates calendar year 20XXXX indicates financial year | | | | 1.4.VIII Proportion offered rehabilitation following discharge from acute or community hospital | | | |
| 2.6 Employment of people with mental illness | Jan-Mar13 | 39.0 | % gap | 20XX indicates calendar year 20XXXX indicates financial year | | | | 1.4.VIII Proportion offered rehabilitation following discharge from acute or community hospital | | | |
| 2.6.I Estimated diagnosis rate for people with dementia | 2011/12 | 48.0 | % | 20XX indicates calendar year 20XXXX indicates financial year | | | | 1.4.VIII Proportion offered rehabilitation following discharge from acute or community hospital | | | |
| 2.6.II A measure of the effectiveness of post-discharge care in sustaining independence and improving quality of life | | | Indicator to be developed | 20XX indicates calendar year 20XXXX indicates financial year | | | | 1.4.VIII Proportion offered rehabilitation following discharge from acute or community hospital | | | |

Clinical Commissioning Group

Outcomes Indicator Set

2013/14 under 75 mortality rate from cancer

- 1 and 5 year survival from all cancers
- 1 and 5 year survival from breast, lung & colorectal cancers

2014/15 additional indicators for cancer

- cancers diagnosed via emergency routes
- 5 year survival - children
- cancer stage at diagnosis
- cancers detected at stage 1 or 2
- 1 and 5 yr survival for lung, breast and colorectal cancers

HSCIC Indicator Portal

hscic Health & Social Care Information Centre

Website only Web browser

Find data

Home > Find data > CCG Indicator 1.9 (NHS OF 1.4)

CCG Indicator 1.9 (NHS OF 1.4)

Under 75 mortality from cancer

Statistic Directly age and sex standardised mortality rate (DSR) per 100,000, 95% confidence intervals (CI)
Period 2009 - 2012 (calendar years)
Level of coverage England
Breakdown All registered patients in England (National)
Area Teams
CCGs
Gender
Released September 2013
Source GP registered population counts from NHAS (Exeter), the Primary Care Mortality Database (PCMD) and ONS mid-year England population estimates
Copyright © 2013, Health and Social Care Information Centre. All Rights Reserved.

| | Year | Breakdown | Level | Level Description | Gender | DSR | CI Lower | CI Upper | Population | Observed |
|----|------|-----------|----------|---|--------|--------|----------|----------|------------|----------|
| 18 | 2012 | National | National | All registered patients in England (National) | Person | 123.26 | 122.30 | 124.24 | 51450031 | 62358 |
| 19 | 2012 | National | National | All registered patients in England (National) | Male | 131.05 | 129.65 | 132.47 | 25999729 | 33461 |
| 20 | 2012 | National | National | All registered patients in England (National) | Female | 115.49 | 114.17 | 116.83 | 25450302 | 28897 |
| 21 | 2012 | National | National | All registered patients in England (National) | Person | 121.61 | 120.65 | 122.57 | 51450031 | 62229 |
| 22 | 2011 | National | National | All registered patients in England (National) | Male | 129.37 | 127.98 | 130.76 | 25999729 | 33446 |
| 23 | 2011 | National | National | All registered patients in England (National) | Female | 113.86 | 112.55 | 115.19 | 25450302 | 28783 |
| 24 | 2011 | National | National | All registered patients in England (National) | Person | 120.27 | 119.32 | 121.22 | 51450031 | 61711 |
| 25 | 2010 | National | National | All registered patients in England (National) | Male | 128.77 | 127.39 | 130.16 | 25999729 | 33380 |
| 26 | 2010 | National | National | All registered patients in England (National) | Female | 111.79 | 110.49 | 113.11 | 25450302 | 28331 |
| 27 | 2010 | National | National | All registered patients in England (National) | Person | 117.61 | 116.67 | 118.55 | 51450031 | 60734 |
| 28 | 2009 | National | National | All registered patients in England (National) | Male | 125.04 | 123.68 | 126.41 | 25999729 | 32646 |
| 29 | 2009 | National | National | All registered patients in England (National) | | | | | | |

Ready

14/14/2013 85%

Windows Internet Explorer Microsoft Word Microsoft Excel Microsoft PowerPoint Microsoft Outlook

Datasets

- **Radiotherapy Dataset (RTDS), 2009.....**
- **Diagnostic Imaging Dataset (DIDs), 2012..**
- **Systemic Anti-Cancer Therapy Dataset (SACT), 2012....**
- **Cancer Outcomes & Services Dataset (COSD), 2013.....**



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Examples of the clinical value of new data

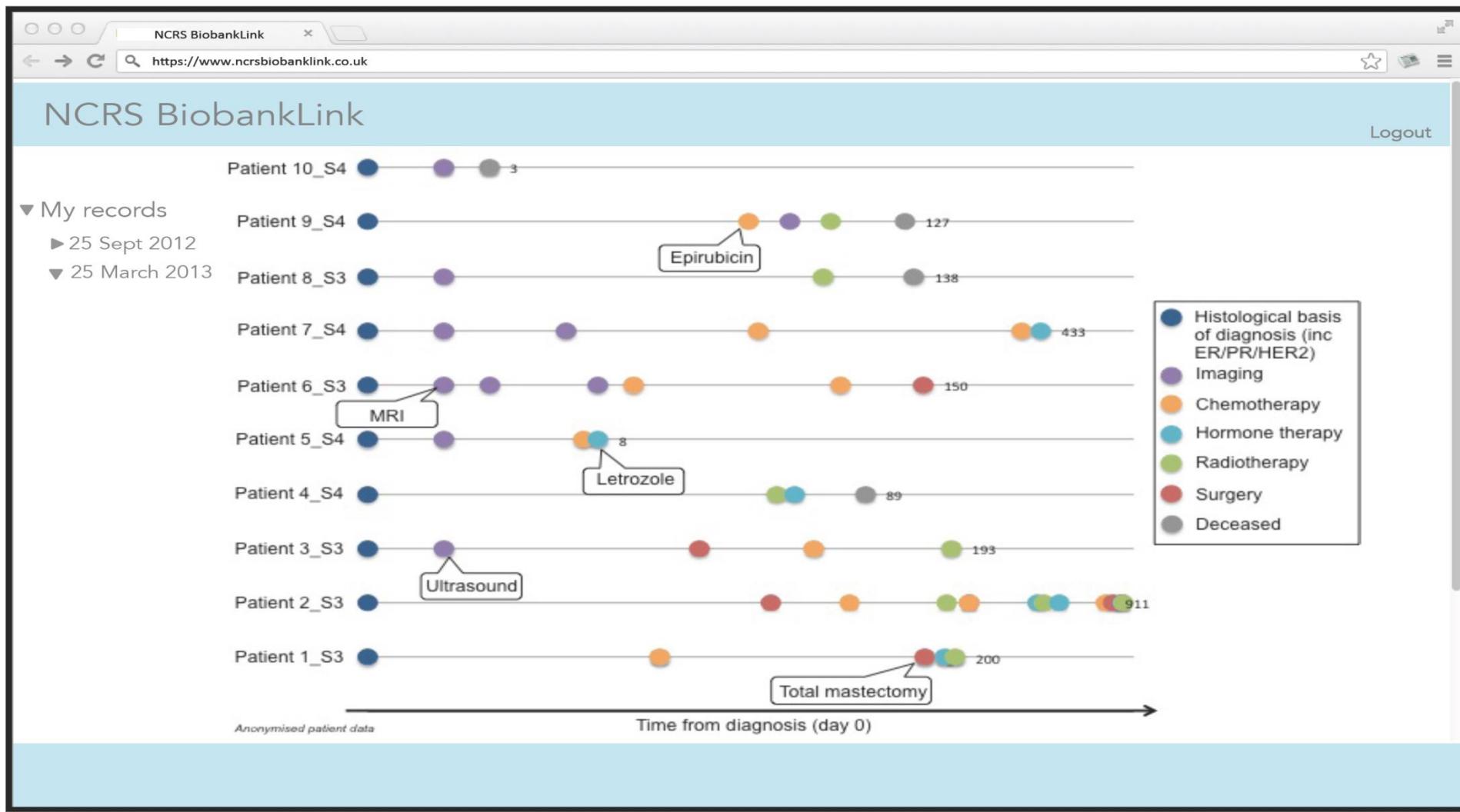
- Demonstration of variation
- Teasing out the causes of variation
- Demonstrating value of specialisation
- Building data into quality improvement
- Adding outcome data into Peer Review
- Providing robust evidence behind National Guidelines and Quality Standards (NICE)
- Supporting ‘intelligent commissioning’





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NCRS BiobankLink Service





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National Cancer Audits

- National Lung, Colo-rectal and Head & Neck Cancer Audits all have contracts that expire at the end of 2014
- Re-tendering process underway – smooth transition will be the main issue
- New Prostate Cancer Audit began 2014



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National Cancer Audits

NPCA

National Prostate Cancer Audit



- New model for national cancer audits
 - Partnership between NCRS and professional bodies
 - Information governance and data QA managed by NCRS
 - Near-real-time data collection from MDTs
 - Data set largely collected as part of routine flows
 - Continuous feedback to clinicians and MDTs
 - NCRS produces linked audit datasets for analysis

Feeding back: examples



Public Health
England

- E Atlas
- Reports and data briefings
- Cancer Commissioning Toolkit
- *Service & GP Profiles – Sue Knights*



Cancer e-Atlas

www.ncin.org.uk/cancer_information_tools/eatlas/network/atlas.html?select=Eav&indicator=i0

UK Cancer e-Atlas by cancer networks

Data being displayed: Prostate - Male Survival 5 Year

| Guide | Print | Select localities | Go to health boundary e-Atlas |
|---|-------------|--|---|
| Save | Export data | | Select cancer type below (use +/- at bottom to expand the whole list) |
| Select cancer network | | Rate | |
| Essex Greater Manchester and Cheshire Greater Midlands Humber and Yorkshire Coast Kent and Medway Lancashire and South Cumbria Merseyside and Cheshire Mount Vernon North East London North London North Trent North West London North of England North of Scotland Northern Ireland Pan Birmingham Peninsula Scotland South East London South East Scotland South West London Surrey, West Sussex and Hampshire Sussex Thames Valley United Kingdom Wales West of Scotland Yorkshire Cancer Network | | 82.9 % 81.4 % 80.2 % 80.5 % 81.9 % 85.4 % 82.0 % 78.9 % 81.5 % 87.1 % 74.4 % 86.4 % 79.9 % 80.8 % 82.9 % 86.5 % 79.2 % 80.1 % 81.5 % 82.2 % 87.8 % 83.7 % 82.8 % 88.0 % 82.2 % 76.6 % 78.2 % 82.0 % | |

| Cancer type | Locality | No.Cases/Deaths | Rate/% | UK ave | Comparator to UK average rate |
|--|------------------|-----------------|----------|--------|-------------------------------|
| All cancers combined | | | | | |
| Bladder | | | | | |
| Brain | | | | | |
| Breast | | | | | |
| Cervix | | | | | |
| Colorectal (bowel) | | | | | |
| Kidney | | | | | |
| Leukaemia | | | | | |
| Lung including trachea and bronchus | | | | | |
| Malignant melanoma of skin | | | | | |
| Non-Hodgkin lymphoma | | | | | |
| Oesophagus | | | | | |
| Ovary | | | | | |
| Pancreas | | | | | |
| Prostate | | | | | |
| Male Incidence* | North of England | 1,697 | 86.3 ■ | 100.5 | 0 ■ 150 |
| Male Mortality* | North of England | 538 | 24.7 ♦ | 24.0 | 0 ■ 80 |
| Male Survival 1 Year | North of England | - | 95.4 % ♦ | 95.0 % | 0 ■ 100 |
| Male Survival 3 Year | North of England | - | 86.3 % ■ | 87.8 % | 0 ■ 100 |
| Male Survival 5 Year | North of England | - | 79.9 % ■ | 82.2 % | 0 ■ 100 |
| Stomach | | | | | |
| Uterus | | | | | |
| ■ North of England | | | | | |
| Significantly lower than UK average ■ Not significantly different than UK average ♦ Significantly higher than UK average ♦ | | | | | |
| UK average ■ Data value ♦ | | | | | |
| Incidence ■ Mortality ■ Survival ■ | | | | | |
| - + | | | | | |

Information about the selected data item

Five-year relative survival estimate, males, ICD10 C61 : Prostate, 2000-2004

Relative survival is an estimate of the percentage of patients still alive five years on from their diagnosis with prostate cancer, taking into account the background mortality in the general population. It is therefore an estimate of the percentage of patients who survive their cancer for at least five years.

Data definitions:
 Five-year relative survival estimate (%) based on people diagnosed during 2000-2004. Relative survival estimates shown above are not age-standardised.
 Source: National Cancer Intelligence Network (NCIN), UK Cancer Information Service (UKCIS), accessed May 2011.
 For more detailed information and definitions please see the [Cancer e-Atlas Guide](#).

* Age-standardised



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National Cancer Intelligence Network

Cancer survival in England by stage

www.ncin.org.uk



Figure 2, one-year survival, all stage, by year of diagnosis, not standardised by age

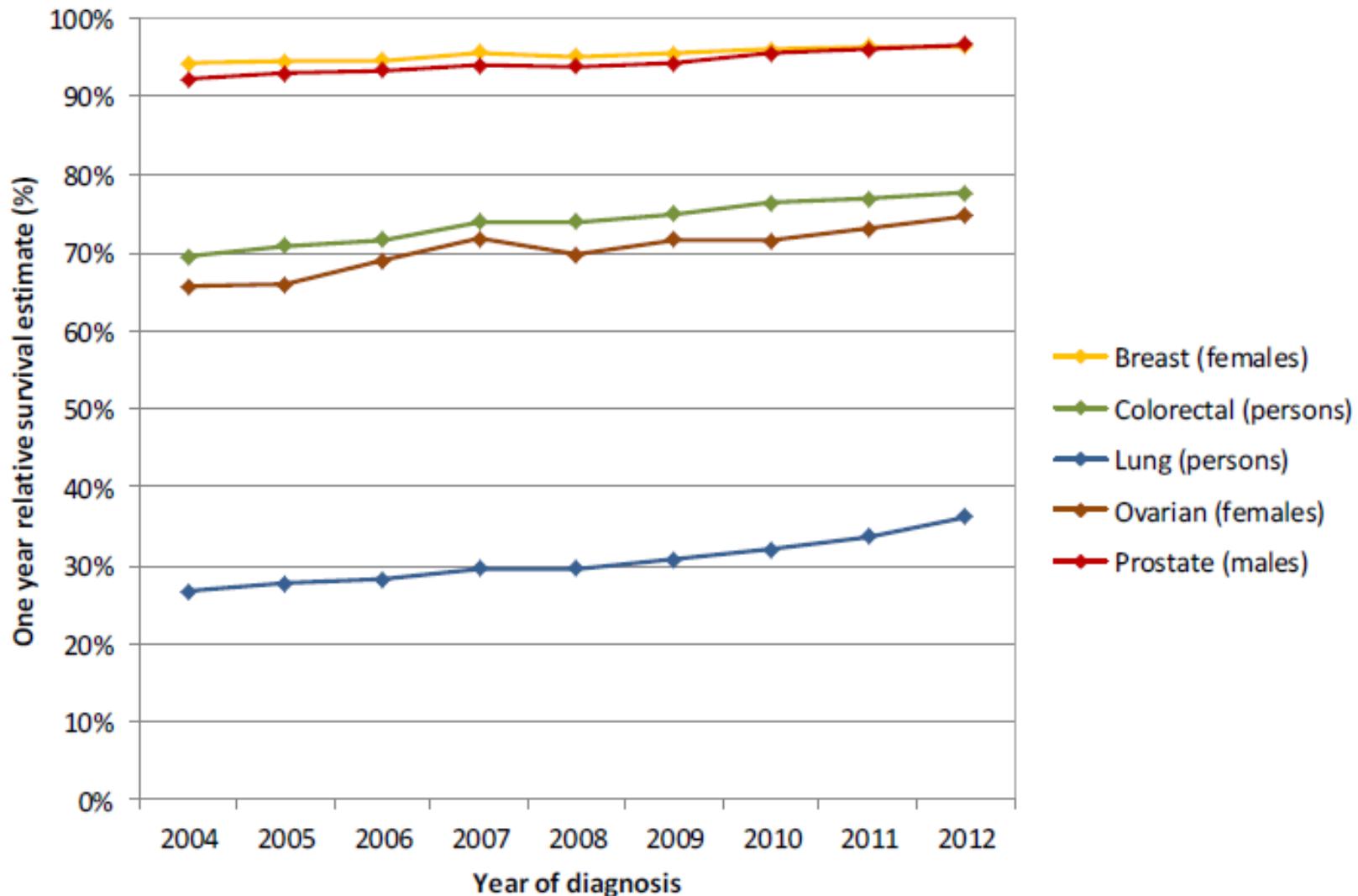
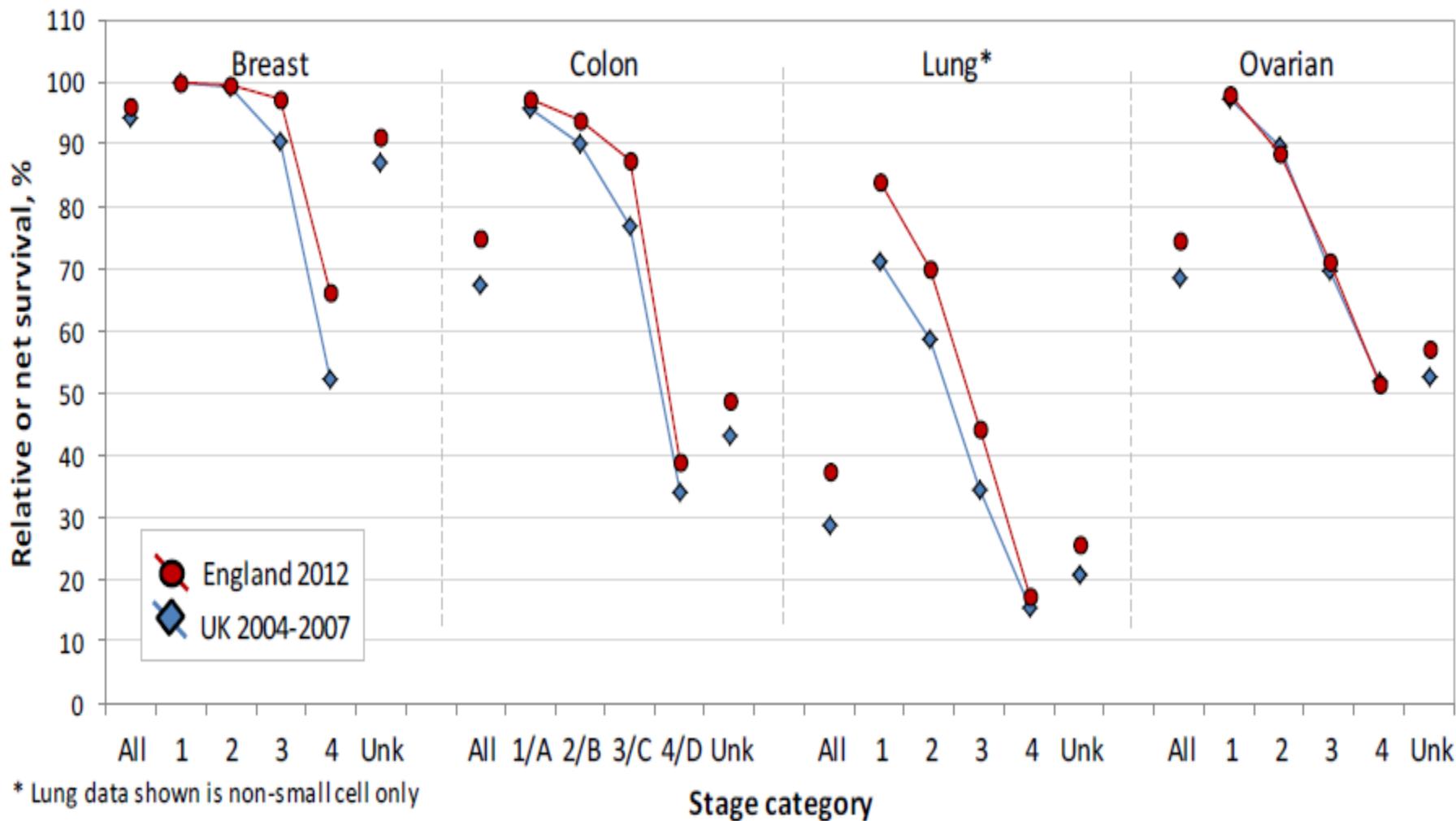




Figure 4 One-year relative/net survival, by stage, in the ICBP and England 2012 data





Cancer Commissioning Toolkit

https://www.cancer toolkit.co.uk

The screenshot shows the homepage of the Cancer Commissioning Toolkit. On the left, there's a large image featuring a bar chart titled "Example Chart A" with a legend. To the left of the chart, the word "Charts" is displayed in large white letters on a blue background. Below "Charts", a text box states: "Charts are displayed using figures or percentages and comply with data sharing rules to ensure patient confidentiality." At the bottom of this section, a list of "Types of Data Available" is provided, including: Incidence; Mortality; Survival; Smoking Cessation; Peer Review; Screening; Referrals; Waiting Times; Radiotherapy; National Audit; Cancer medicines; Place of death; Programme Budgeting. On the right side of the page, there are two login forms. The top one is for "Public users" and the bottom one is for "Members login". Both forms include fields for Email and Password, and buttons for Login and Register Now. There are also links for "Forgot your password?" and "How do I register?".

www.ncin.org.uk

Welcome [Mick Peake](#)[Log out](#)

1 year relative survival estimates benchmarked by Network

Cancer type (Lung) Time period (2007-2009)

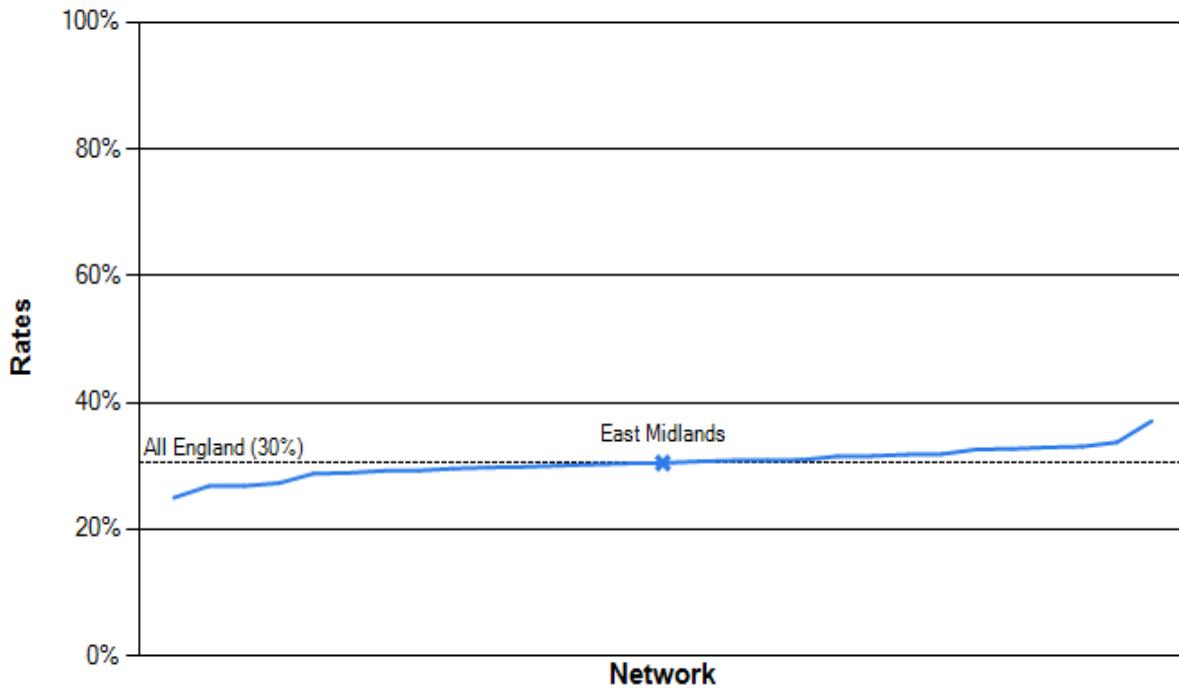


Chart by:

 SHA Network PCT

Highlight:

East Midlands

Cancer type:

Lung

Time period:

2007-2009

Other charts within the module:

- [5 year relative survival estimates benchmarked](#)
- [Trend in survival](#)

Links

- [CCT- Website Terms and Conditions](#)

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national cancer
intelligence network
using information to improve quality & choice



1 year relative survival estimates benchmarked by PCT

Cancer type (Lung) Time period (2007-2009)

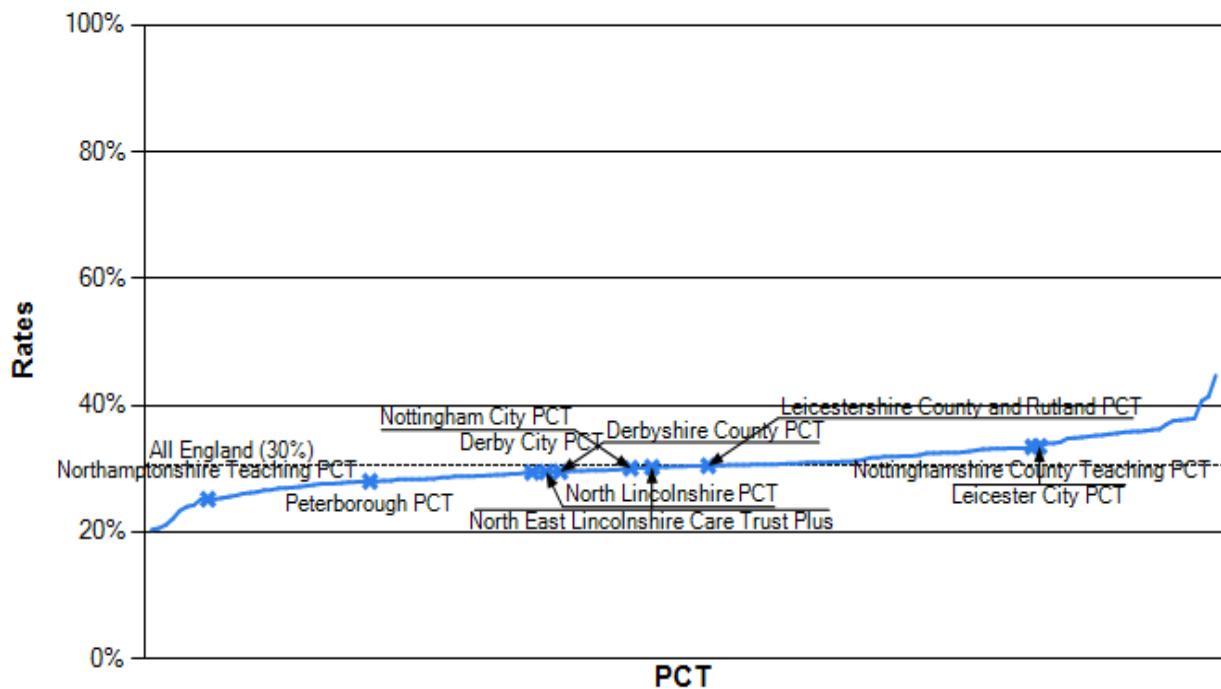


Chart by:

SHA Network PCT

Highlight:

* PCTs Selected

Cancer type:

Lung

Time period:

2007-2009

Other charts within the module:

> [5 year relative survival estimates benchmarked](#)

> [Trend in survival](#)

Links

> [CCT- Website Terms and Conditions](#)



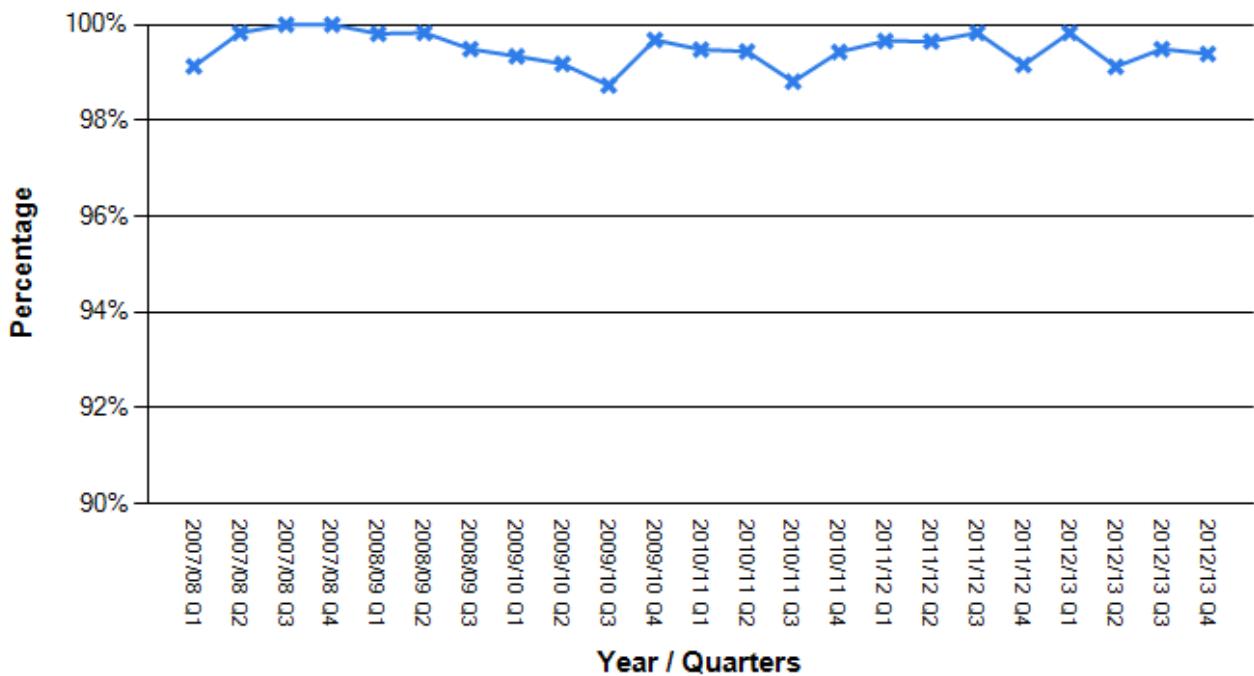
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31 day standard performance time trend by SHA/PCT/Network

Measure (First treatment) Network (East Midlands) Cancer type (Lung)

**Measure:**[First treatment](#) ▾**SHA:**[No selection](#) ▾**Network:**[East Midlands](#) ▾**PCT:**[No selection](#) ▾**Cancer type:**[Lung](#) ▾**Other charts within the module:**

- [Two Week Wait' performance](#)
- [Two Week Wait' Exhibited \(non-cancer\) breast symptoms performance](#)
- [TWR performance trend by PCTs/Networks](#)
- [TWR performance time series by Trust](#)
- [% TWR with cancer diagnosis](#)
- [Number of TWR with cancer diagnosis](#)



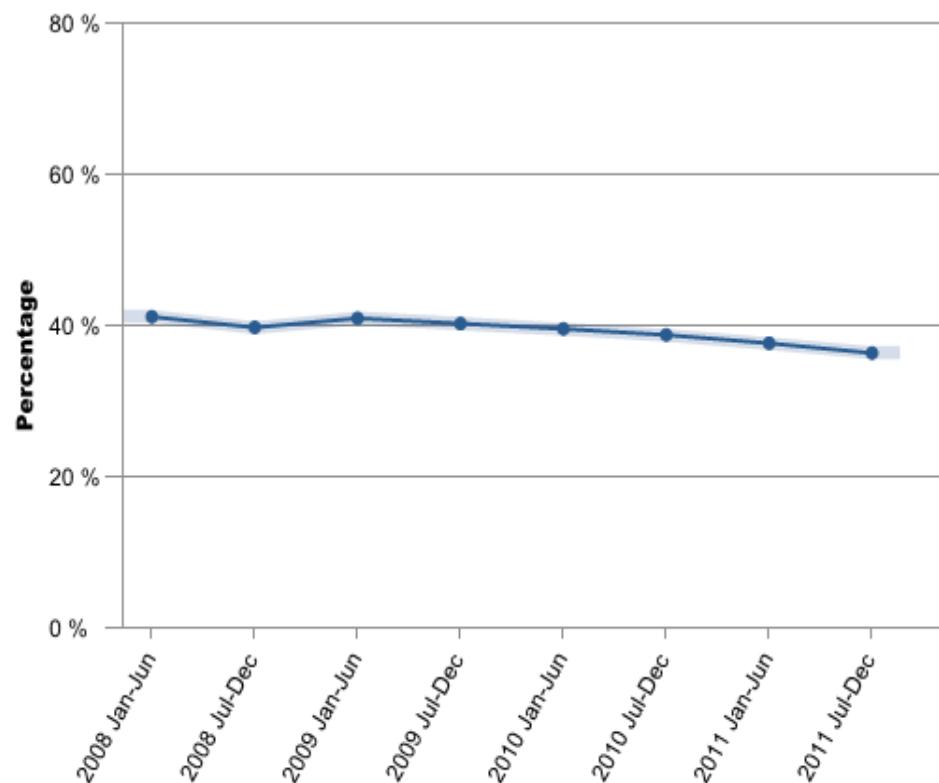
| | |
|-----------------------------|----------------|
| Overview | Filters |
| Cancer Type | |
| 1 Cancer Type(s) Selected ▾ | |
| Filter | |

Proxy measure for emergency presentations for cancer

Proportion of newly identified tumours first presenting as an emergency calculated from Inpatient HES data

 Lung

Show Confidence Interval



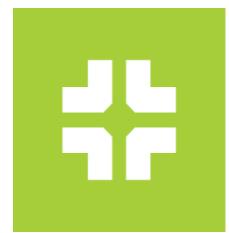


Challenges

- Split of cancer registration and analytical services, with loss of experienced personnel
- Loss of links with NHS (Cancer Policy Team, National Cancer Action Team, NHS Improvement)
- Loss of old Cancer Network / PCT links
- Uncertainty around roles and responsibilities
- Loss of focus on cancer
- Current review of just about everything!

Conclusions

- The quality and range of clinically relevant data on cancer is increasing rapidly
- High quality population-based data can clearly drive clinical behavioural change
- We now have a large and expanding clinical community engaged with cancer data
- Feedback and ongoing interaction with clinicians is an essential part of the process – peer pressure is powerful
- There is a need to improve how information is used at a local level
- The collection and intelligent use of data are at the heart of good clinical practice and commissioning



ICHOM

**International Consortium for Health Outcomes
Measurement**

ICHOM is a nonprofit dedicated to accelerating development, standardization and impact of outcomes measurement worldwide

ICHOM's three founders with the desire to unlock the potential of Value-Based Health Care:

**INSTITUTE FOR STRATEGY
AND COMPETITIVENESS**



BCG

THE BOSTON CONSULTING GROUP



**Karolinska
Institutet**

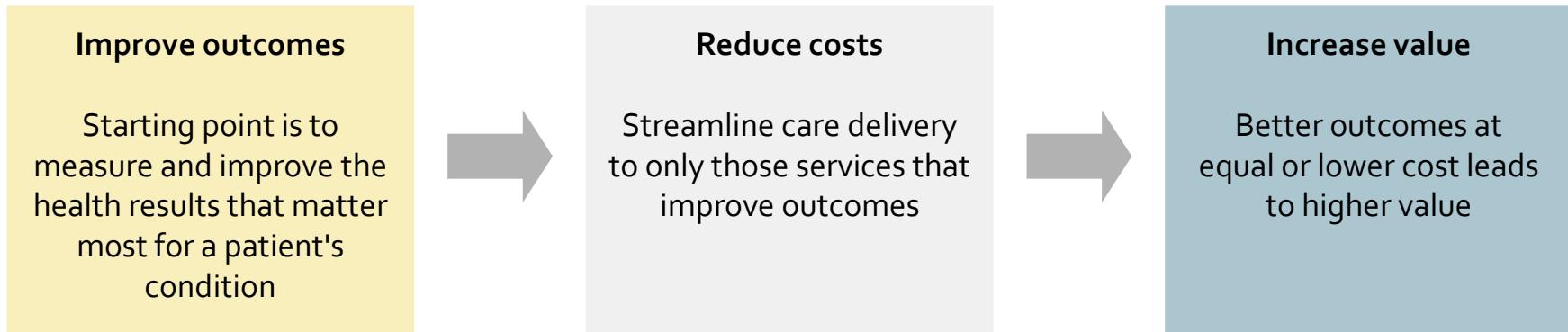


ICHOM

Our purpose:

*To define a **global standard set of outcome measures that really matter to patients** for the most relevant medical conditions...and drive adoption of these measures worldwide to unlock the potential of value-based health care*

Outcomes are the powerful lever to unlock a value-based healthcare system



$$\text{Value} = \frac{\text{Patient health outcomes achieved}}{\text{Cost of delivering those outcomes}}$$

ICHOM organizes international Working Groups to define Standard Sets of outcomes we recommend all providers track



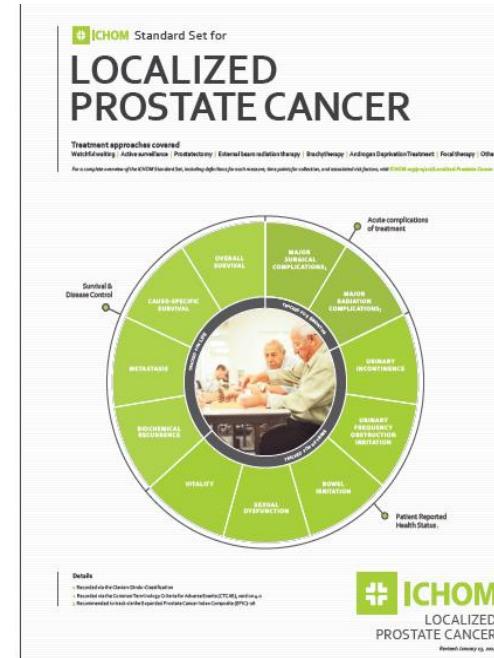
ICHOM

International Consortium for Health Outcomes Measurement (ICHOM) facilitates a process with international physician and registry leaders and patient representatives to develop a global Standard Set of outcomes that really matter to patients as well as standard risk factors for risk adjustment

Physician and registry leaders



Patient representatives



Next phase: implementation of standard set for lung cancer in institutions willing to participate

ICHOM is actively looking for pilot sites to demonstrate the value of measuring our Standard Sets

- By becoming an **ICHOM PILOT SITE**, you can improve outcomes at your own organization and capture valuable learning to help promote adoption and facilitate implementation globally

| WHAT WE PROVIDE | WHAT YOU PROVIDE | BENEFITS |
|---|---|--|
| SUPPORT throughout the implementation process Expert ICHOM CONSULTANT to help: <ul style="list-style-type: none">▪ ensure buy-in from leadership▪ conduct baseline assessment▪ select the right tools for data collection▪ develop reporting systems▪ drive change | SPONSORSHIP for ICHOM, or assistance finding funding from third-party organizations 3-4 member STEERING GROUP to meet occasionally, take decisions, and review progress PROJECT MANAGER (~0.2 FTE) | OPPORTUNITY TO IMPROVE CARE and value for your patients by implementing your recommendations OPPORTUNITY TO PUBLISH RESULTS in leading academic journals RECOGNITION for your organization as an ICHOM sponsor/measuring partner/pilot site |

Want to know more? Contact implement@ichom.org



Requesting Access to Data

Through the Office of Data Release (ODR) which:

1. Has oversight of all ad-hoc data requests and releases
2. Ensures that all requests are logged and then tracked
3. Determines the appropriateness of data releases where the data is identifiable or potentially identifiable
4. Ensures that appropriate controls are placed on data recipients to maintain the security and confidentiality of PHE information



Requesting Access to Data (2)

The ODR meets weekly to decide the outcome of data requests. Within 2 weeks of receiving your initial request, you will be informed of one of three outcomes:

- Request accepted
- Further information needed – request to be resubmitted
- Request declined