

Protecting and improving the nation's health

What data are available, and how are they accessed?

Providers of information

Health & Social
Care
Information
Centre
HSCIC

Office for National Statistics ONS

UK and Ireland Cancer Registries UKIACR

National Audits

PHE

including Health Intelligence Networks **NHS England**

Business Intelligence Teams

Incisive Health

Macmillan Cancer Support

Cancer Research UK **Dr Foster** and other intermediaries

Where are we now?

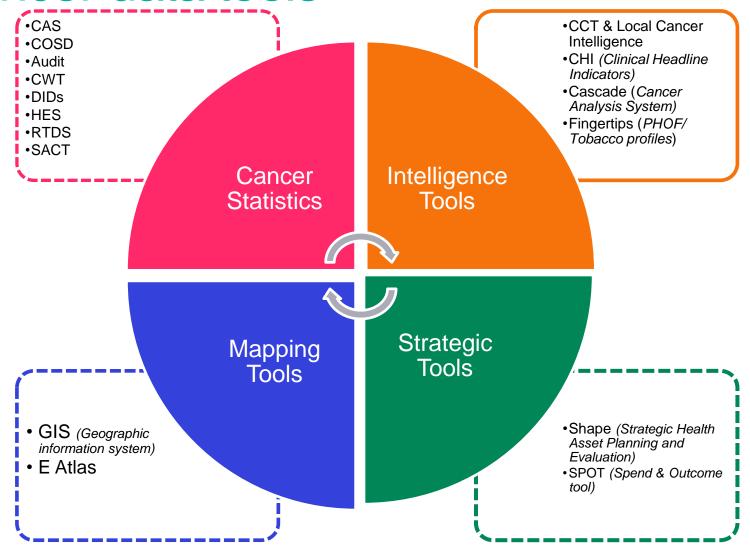
Multiple organisations moved to PHE

Multiple tools and products

Meet digital requirements and Knowledge and Information Strategy by:

- Reducing duplication of processes
- Reducing the number of digital tools
- Meet open data transparency commitments
- Help users find data they need

Cancer data tools



PHE data and knowledge gateway

http://datagateway.phe.org.uk/

Data and knowledge gateway

Beta site

A single point of access to data and analysis tools from across Public Health England

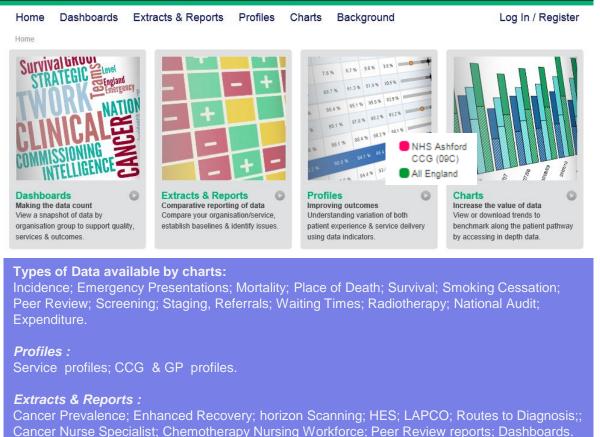
The <u>gateway</u> is in developme information you need or if yo		please <u>let us know</u> if you do not find the
See <u>latest updates</u> for inform	Cancer mortality profiles	he gateway.
Resources	Cancer patient experience	
	Cascade (the UKCIS replacement)	
Resources that require a log it will open in a new tab or w	GP practice profiles	adlock symbol (🝙). When you select a resource
Solost a catagony	Gynaecological cancer hub	
Select a category	Gynaecological cancer profiles	
Cancer	Head and neck cancer e-atlas (profiles)	

Cancer Commissioning Toolkit (CCT)

https://www.cancertoolkit.co.uk/

National Cancer Intelligence Network

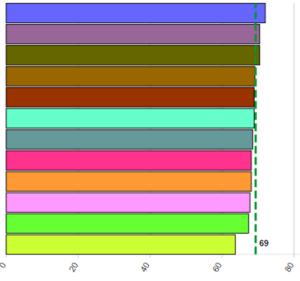
Cancer Commissioning Toolkit



'Supporting World Class Commissioning of Cancer services across the NHS'

Survival index estimates |=

1 year survival index: All Cancers: 15-99 age group(s): 2012



Percentage

Cancer Commissioning Toolkit (CCT) – decommissioned March 2016

https://www.cancertoolkit.co.uk/

User Requirements

The CCT is currently used as a 'Gold standard –one-stop shop' for providing accessible, reliable, timely and comparable information to users across the patient cancer pathway.

The CCT will be the first tool to be decommissioned by PHE in March 2016 and some of it will be incorporated into a PHE tool –Clinical headline Indicators (which is not yet live but requires N3 connection to see the tool).

A User requirements survey is being sent out to confirm what is 'essential or nice to have' from the CCT – please ask users to fill in and return asap:

https://surveys.phe.org.uk/TakeSurvey.aspx?PageNumber=1&SurveyID=ml1Jmm 81&Preview=true

Local Cancer Intelligence

Local Cancer Intelligence





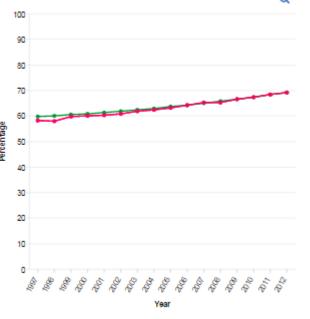
Produced by Public Health England's National Cancer Intelligence Network and Macmillan Cancer Support

Headlines for NHS Ashford CCG

http://lci.cancertoolkit.co.uk/

All England

One-year net cancer survival index, all cancers



▶ Prevalence

As of the end of 2010, around 3,000 people in your CCG were living with and beyond cancer up to 20 years after diagnosis. This could rise to an estimated 5,800 by 2030.

For more information >

▶ Incidence

There are 499 new cancer diagnoses per 100,000 people each year. This is lower than the England average.

For more information >

▶ One Year Survival

One-year cancer survival is 69%. This is similar to the England average of 68%.

For more information

▶ Mortality

There are 254 cancer deaths per 100,000 people each year. This is lower than the England average.

For more information >

▶ Five Year Survival

Five-year cancer survival is 47% in your Area Team. The England average is 48%.

For more information b

Search for your Clinical Commissioning Group:

NHS Ashford CCG



- Headlines
- Cancer Prevalence
- Cancer Incidence
- Cancer Mortality
- Cancer Survival
- Patient Experience
- Routes To and From Diagnosis
 - Breast
 - Lung
 - Prostate
 - Brain and CNS tumours

Source: Office for National Statistics and London School of Hyglene and Tropical Medicine. 2013. A Cancer Survival Index for Clinical Commissioning Gioupe, Adults Diagnosed 1995-2011 and Followed up to 2012. Extracted June 2014 from the National Cancer Intelligence Network's Cancer Commissioning Toolkit.

Cancer Stats: CHI

https://nww.cancerstats.nhs.uk/users/sign_in

Clinical Headline Indicators

Diagnosed per year - Lung tumours 2013

Year: Clear 2013

SCN: Clear All

Measure: Clear Diagnosed per year

Tumour Site: Clear Lung

Report View Clear Quarterly

	Total	I Q1	Q2	Q3	Q4
- South East Coast	2575	594	652	689	640
Ashford and St Peter's Hospitals NHS Foundation Trust (RTK)	121	23	37	35	26
Brighton and Sussex University Hospitals NHS Trust (RXH)	244	55	53	80	56
Dartford and Gravesham NHS Trust (RN7)	143	37	40	31	35
East Kent Hospitals University NHS Foundation Trust (RVV)	414	99	93	111	111
East Sussex Healthcare NHS Trust (RXC)	262	68	66	70	58
Frimley Park Hospital NHS Foundation Trust (RDU)	325	76	82	74	93
Maidstone and Tunbridge Wells NHS Trust (RWF)	271	56	66	71	78
Medway NHS Foundation Trust (RPA)	199	48	56	54	41
Queen Victoria Hospital NHS Foundation Trust (RPC)	1	1	0	0	0
Royal Surrey County NHS Foundation Trust (RA2)	107	19	36	30	22
Surrey and Sussex Healthcare NHS Trust (RTP)	185	43	51	47	44
Western Sussex Hospitals NHS Foundation Trust (RYR)	303	69	72	86	76

Cancer Stats: CHI

https://nww.cancerstats.nhs.uk/users/sign_in

Clinical Headline Indicators

Diagnosed per year - Lung tumours 2013

Year:	Clear	2013
SCN:	Clear	All
Measure:	Clear	Diagnosed per year
Tumour Site:	Clear	Lung
Report View	Clear	Quarterly

Generic Measures

	Total		Q1		Q2		Q3		Q4	
4.1										
4.1a Diagnosed per year	121		23		37		35		26	
4.2										
4.2a Aged 70+	79	65%	13	57%	31	84%	19	54%	16	62%
4.2b Male patients	69	57%	14	61%	19	51%	22	63%	14	54%
4.2c With recorded ethnicity	94	78%	20	87%	29	78%	24	69%	21	81%
4.2d – Which is not White-British	8	7%	1	4%	1	3%	3	9%	3	12%
4.2e With an index of multiple deprivation score of 5 (most deprived)	0	0%	0	0%	0	0%	0	0%	0	0%
4.3										
4.3a With a performance status of 0-1 recorded	31	26%	4	17%	5	14%	10	29%	12	46%
4.4										
4.4a Discussed at MDT	58	48%	9	39%	14	38%	18	51%	17	65%
4.4b Having CNS contact recorded (codes Y1/Y2)	0	0%	0	0%	0	0%	0	0%	0	0%
4.4c Presenting via GP referral (referral source 03)	48	40%	10	43%	10	27%	12	34%	16	62%
4.4d Presenting via emergency referral (referral source 01, 04, 10)	9	7%	0	0%	2	5%	5	14%	2	8%
4.5										
4.5a With a valid stage recorded	102	84%	15	65%	30	81%	32	91%	25	96%
4.5b With early stage (stage 1 or 2) recorded	14	12%	2	9%	4	11%	4	11%	4	15%
4.5c With a histological confirmed diagnosis (basis 5, 6 or 7)	94	78%	16	70%	27	73%	29	83%	22	85%

Cancer Stats: CASCADE

https://nww.cancerstats.nhs.uk/users/sign_in

Cascade Incidence -

Incidence

An incident case of cancer is a new case of cancer, counted once when the cancer is diagnosed.

Base numbers of cases, crude and age standardised rates can be found by following the links below:

Signed in successfully.

Base Numbers

Click here for numbers of new cases of cancer. Numbers can be presented for different cancer sites, different time periods, and different geographies. Numbers are useful when trying to estimate the burden of cancer - how many tumours have been diagnosed?

Crude Rates

Click here for crude cancer incidence rates. Rates can be presented for different cancer types, different time periods, and different geographies. Crude rates are useful when trying to compare the incidence of cancer in two populations. Because of the strong link between age and risk of cancer, crude rates are often highest in populations with a high proportion of elderly people.

Standardised Rates

Click here for age-and-sex standardised cancer incidence rates. Rates can be presented for different cancer sites, different time periods, and different geographies. Standardised rates are useful when trying to compare two measurements (such as whether cancer risk has increased over time, or whether risks are greater in one area of the country than another

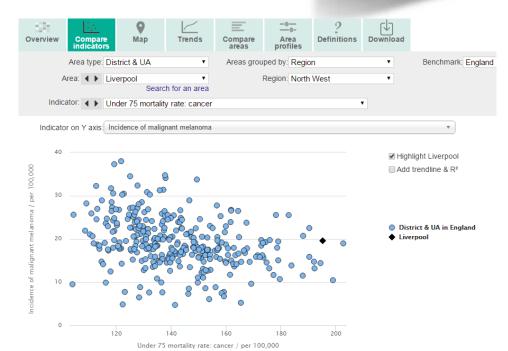
Public Health Profiles

User Guide Video Tutorials Contact Us Indicator keywords Q

Public Health Profiles

(Fingertips)
http://fingertips.phe.org.uk/

Type in 'cancer' in the search box



National Public Health Profiles

Public Health Outcomes Framework

The Public Health Outcomes Framework sets out a vision for public health, desired outcomes and the indicators that will help us understand how well public health is being improved and protected.

NCMP Local Authority Profile

Data from the National Child Measurement Programme (NCMP) 2006/07 to 2013/14 are now available in this online data tool. Prevalence of underweight, healthy weight, overweight, and obesity for children in Reception (age 4-5 years) and Year 6 (age 10-11 years) can be examined at local authority level. Data quality indicators are also available, for example rate of participation in the NCMP

Sexual and Reproductive Health Profiles

Provides a snapshot of sexual and reproductive health across a range of topics including teenage pregnancy, abortions, contraception, HIV and sexually transmitted infections.

Diabetes

This is a companion profile for Healthier Lives: Diabetes which shows trend data for CCGs and local authorities and allows users to create LA and CCG spine charts.

Inhale - INteractive Health Atlas of Lung conditions in England

INHALE - Inheractive Health Atlas of Lung conditions in England draws together indicators on (mainly) COPD and asthms from a range of sources into a single portal, and presents these indicators in a variety of formats. This a beta version using PHE's Fingertips software and we welcome feedback.

Local Tobacco Control Profiles

Provide a snapshot of the extent of tobacco use, tobacco related harm, and measures being taken to reduce this harm at a local level.

Longer Lives

Highlights premature mortality across every local authority in England, giving people important information to help them improve their community's health. We have expanded the tool to include a suite of maps under the title Healthier Lives. This includes diabetes, high blood pressure and NHS Health Check.

NHS Health Check

The NHS Health Check programme aims to help prevent heart disease, stroke, diabetes, kidney disease and oertain types of dementia.

TB Strategy Monitoring Indicators

Key TB monitoring indicators for the Collaborative TB Strategy 2015-2020.

Health Profiles

Health Profiles provide summary information on health (and factors affecting health) to support local authority members, officers and community partners to lead for health improvement. Health Profiles are available for counties, districts and unitary authorities in England.

Learning Disability Profiles

This set of indicators brings together nationally available data to inform improvements in health and social care for people with learning disabilities. The data can be used by clinical commissioning groups (CCGs), Health and Wellbeing Boards and local authorities to help ensure they are commissioning appropriate and useful services for people with learning disabilities.

National General Practice

Profiles

Designed to support GPs, clinical commissioning groups (CCGs) and local authorities to ensure that they are providing and commissioning effective and appropriate healthcare services for their local population.

Mental Health Dementia and Neurology

A suite of indicator tools which bring together nationally available data presented at local level to support benchmarking, commissioning and service improvement. Topics covered includer. Children and young people's mental health & wellbeing, Co-existing substance misuse and mental health common mental health disorders and Severe mental illness. There are also summary Community mental health profiles and profiles for Neurology.

Children and Young People's Health Benchmarking Tool

Brings together a selection of the most relevant indicators to inform discussions and encourage improvements in services and health outcomes for children and young people.

Health Protection

The Health Protection Profiles cover a range of health protection issues in order to help inform choices regarding health and lifestyle, and improve awareness of local health protection risks.

Liver Disease Profiles

Local Authority Liver Disease Profiles: A new resource for one of the main causes of premature mortality nationally; providing disease-specific key facts and resources, practical prevention strategies for local implementation and questions for you to ask locally.

SHAPE

http://shape.dh.gov.uk/index.asp



Strategic Health Asset Planning and Evaluation NHS



SHAPE

Who is SHAPE for?

Get into SHAPE

Indicators

Themes

User resources

Optimising future healthcare delivery

Welcome to SHAPE

Strategic Health Asset Planning and Evaluation

SHAPE is a web-enabled, evidence-based application which informs and supports the strategic planning of services and physical assets across a whole health economy.

The Strategic Health Asset Planning and Evaluation application:

- Links national datasets for clinical analysis, public health, primary care and demographic data with estates performance and facilities location:
- Enables interactive investigations by Local Area Teams, Providing Trusts, CCGs, GP practices and Local Authorities:
- Supports key policy initiatives such as QIPP, JSNA, Pharmaceutical Needs Assessment and Transforming Community Services:
- Provides you with a range of flexible capabilities; you drive it in the direction you want it to go.

SHAPE is free to NHS professionals and Local Authority professionals with a role in Public Health or Social Care. Access to the application is by formal registration and licence agreement.



Sign in for registered users

Access is only available to registered SHAPE users. Please use your email. address as your username. The first time you sign in you'll be asked for your initial temporary SHAPE password and then prompted to provide a new secure password to be used for future access.

Sign into the SHAPE application...

Registration for new users

SHAPE is free to NHS professionals and Local Authority professionals with a role in Public Health or Social Care. Access to the application is by formal registration and licence agreement. Applications to use SHAPE can be made by:

Email: shape@phe.gov.uk

Telephone: 0191 374 2219

Update

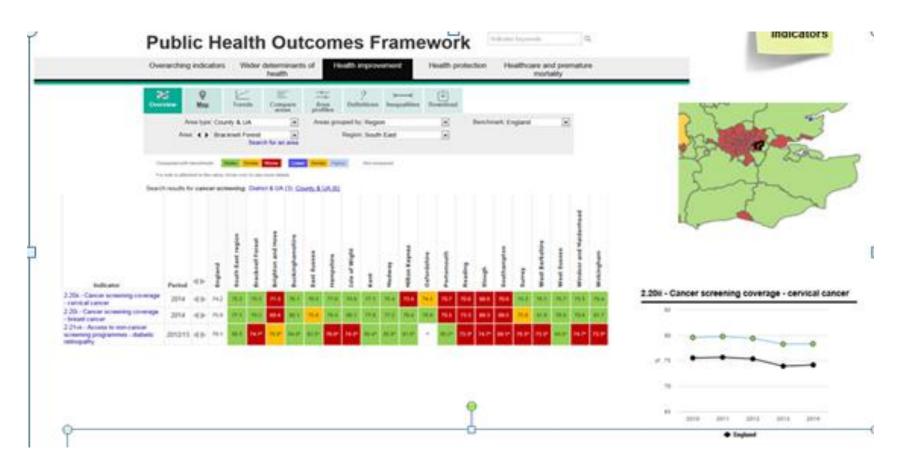
October 2015 updates:

- ODS updated: September 2015 data: Trust, CCG, GP, Dentist update:
 - Organisations: 0 added, 6 changed, 1 closed
- Sites: 263 added, 7,206

Public Health Outcomes Framework

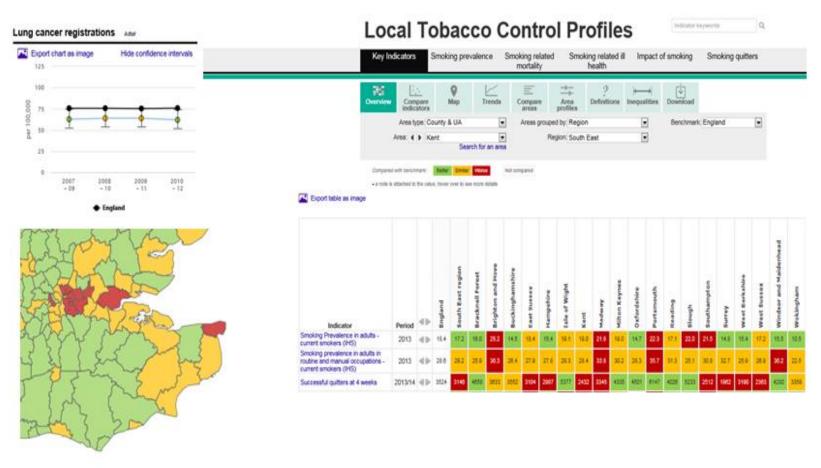


http://phoutcomes.info/



Local Tobacco Control Profiles

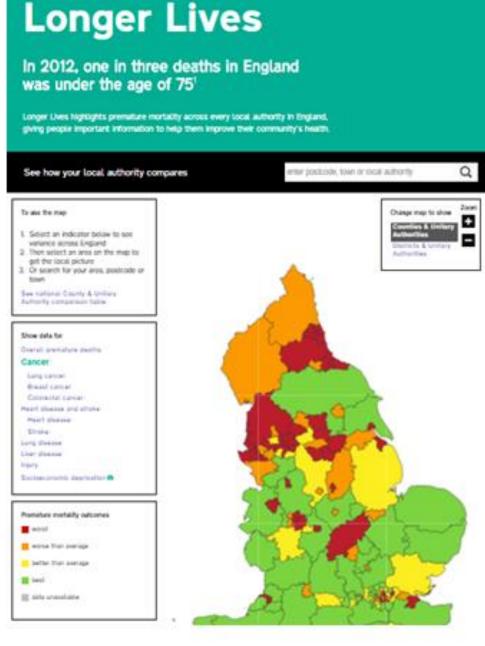
http://tobaccoprofiles.info/



Longer Lives

http://healthierlives.phe.org.uk/topic/mortality





NCIN

http://www.ncin.org.uk/home



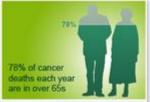


national cancer intelligence network Using information to improve quality & choice

News and Events

Cancer Outcomes Conference 2015

8th - 10th June Europa Hotel Belfast



Publications

Collecting and Using Data

Older people and cancer o

A comprehensive summary of information, evidence and inequalities.



Cancer Information Tools

Cancer staging data 2013 0

Breakdowns of stage by cancer site for England, 2013



Cancer Commissioning Toolkit

One stop shop for cancer data

The National Cancer Intelligence Network

The NCIN is a UK-wide initiative, working to drive improvements in standards of cancer care and clinical outcomes by improving and using the information collected about cancer patients for analysis, publication and research.

NCIN - 30 years of cancer intelligence - a look back on the history.

Find out more about NCIN.

Achieving World Class Cancer Outcomes - A strategy for England - Executive summary- and Report-

Most recent publications

The following is a list of the most recent publications produced by NCIN

Most recent show

Rare and less common cancers report

Incidence and mortality for many rare and less common cancers (2010-2013) in England, produced in partnership with Cancer52

New report on major resections by

Cancer roadshows 2015

We are holding a series of half day roadshows in collaboration with the NHS Strategic Clinical Networks to provide commissioners, clinicians and data managers with an update on the cancer data collected and available. For further details of events near you please see the roadshows events page.

31 July 2015

Cancer and equality groups: key metrics 2015 report

The most recent cancer and equality arrups



Follow NCIN on Twitter!



Cancer Type and Topic Specific Work

Join the NCIN mailing list!

Understanding Cancer Elearning

Oncology training for NHS and Public Health non-clinical staff

07 Nov 2014

What cancer stats are available?

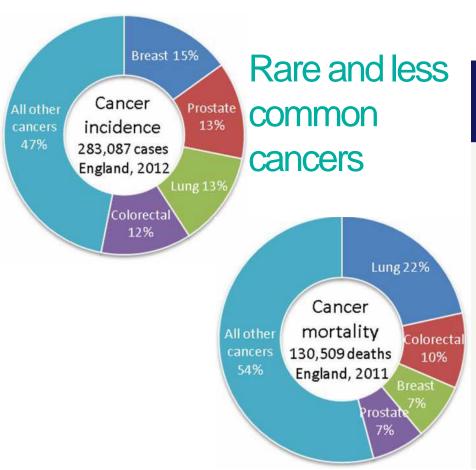
Download our useful reference guide.

24 July 2015

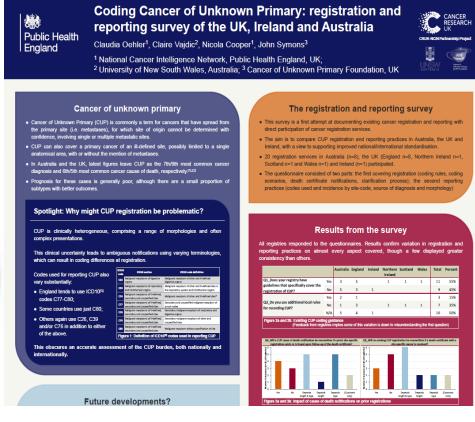
Links to recent cancer statistics

The most recent cancer incidence, mortality and survival statistics can be found here.

Health Intelligence



Cancer of Unknown Primary



Survival by stage



Cancer survival in England by stage, 2012

Public Health England

Produced by the National Cancer Intelligence Network (NCIN)

Sean McPhail¹, Sam Johnson¹, David Greenberg², Michael Peake¹, Brian Rous²

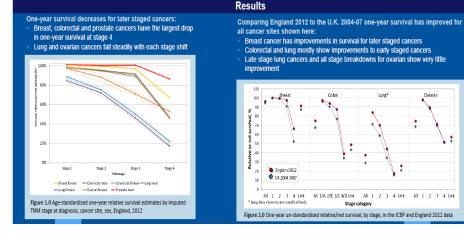
1) National Cancer Intelligence Network, Public Health England (PHE), 2) National Cancer Registration Service, PHE

Background & Introduction

Along with age, stage at diagnosis is one of the strongest determinants of survival outcomes for cancer patients. The International Cancer Benchmarking Partnership¹ (ICBP) has linked international variation in survival for 2004-07, in broadly comparable countries, both to differences in stage at diagnosis and to differences in stage at diagnosis and to differences in stage as the survival. One-year survival is an important aspect of longer term survival and improving it help bring England's long term survival up to that of other countries. Recent improvements in the quality and completeness of staging data in England have allowed analysis of one-year survival data by cancer stage, sex, age group and deprivation quintiles to be carried out.

Materials & Methods

Records for 156,131 cases of breast, colorectal, lung, ovarian and prostate cancer diagnosed in 2012 were extracted from the English National Cancer Registration Service database. 3,310 cases were excluded for being 'Death Certificate Only', aged under 15 or over 99, being stage 0 or other reasons. TNM version 7 stage group (stage 1-4) completeness in the remaining tumours was 86% (including mapping from FIGO stage for ovarian). Multiple imputation was used to model the stage for cases where it was missing. One-year age-standardised and non-standardised relative survival was calculated on the imputed and non-imputed datasets segmented by tumour type, age, sex, and socio-economic deprivation. Data were further refined to be compared to the results of the International Cancer Benchmarking Partnership 2004-2007.



Outpatient analysis



Hospital outpatient attendances linked to cancer registrations in England: Analysis of peri-diagnostic period

Produced by the National Cancer Intelligence Network

S Miller1; S McPhail2, J Shelton2, L Irvine2; M Peake2

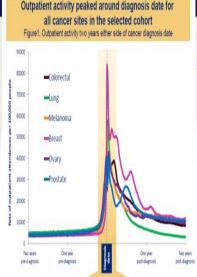
¹Knowledge & Intelligence Team (East); ²National Cancer Intelligence Network, both Public Health England



across all disease types in England NHS hospitals.

For the same period, there were 15 million inpatient admissions. A plethora of research and analyses have been conducted using these inpatient (or admitted care) Hospital Episode Statistics (HES) data, and findings are widely reported.

The volume and nature of outpatient attendances for cancer patients are much



Method

Cancer registrations were linked to the Health and Social Care Information Centre HES outpatient data using a standard algorithm in the Public Health England Cancer Analysis System (CAS).

Selected cohort
473,718 residents of England
Diagnosed with cancer in 2008-2010
Breast , Prostate, Lung
Colorectal , Skin and Ovary
11+ million outpatient attendances

We selected the most common cancer sites in England and a rarer cancer site, ovarian. Outpatient records were analysed two years either side of date of diagnosis.

Routes to diagnosis

Routes to Diagnosis, a novel English methodology



LE Elliss-Brookes 1, S McPhail 1, A Ives 2, M Greenslade 2, J Shelton 1, S Hiom 3, M Richards 4

1) National Cancer Intelligence Network, London 2) Public Health England Knowledge and Intelligence Team (South West), Bristol 3) Cancer Research UK, London 4) NHS England, London

Nationally, what didn't we know?

·How people come to get diagnosed with cancer •Whether late diagnosis arises where patients have not gone through the screening or suspected cancer route

Nationally, what did we want to know?

- . Can we use routinely available datasets to define the route to diagnosis for patients diagnosed with cancer? ·If so, how do routes differ by cancer site, age, sex, ethnicity, deprivation or geography?
- •Are there differences in survival for different routes?

Method: Routes to Diagnosis uses routinely collected data sources to work backwards through patient pathways to examine the sequence of events that led to a cancer diagnosis. The methodology identifies over 70 individual pathways and then categorises patients into one of eight broad Routes (see table to right).

- 1. Registration records for cancers newly diagnosed in 2006 to 2008 (ICD-10 C00-C97 excluding C44) for England residents were extracted from the National Cancer Data Repository.
- 2. Records were linked at patient level to national datasets for inpatient and outpatient activity, Cancer Waiting Times (CWT) monitoring and breast, cervical and bowel cancer screening.
- 3. Hospital Episode Statistics (HES) data were used to categorise the Route for each cancer individually, the algorithm is described in the three flow diagrams below.
- 4. Screening and CWT data were then examined with the Route potentially changing to either a Screening or Two Week Wait (urgent referral for suspected cancer) Route.



Routes to Diagnosis: Does it matter when or how a cancer is diagnosed?

Produced by the National Cancer Intelligence Network (NCIN) Sam Johnson¹, Sean McPhail¹, Lucy Elliss-Brookes¹, Matthew Greenslade², Alex Ives², Jon Shelton¹

1) National Cancer Intelligence Network, Public Health England, 2) Knowledge & Intelligence Team (South West)

Introduction

partly attributed to later presentation in England. The Routes to Diagnosis study defines a cancer screening records and cancer registrations data. Using these datasets every methodology by which the entry route into secondary care can be categorised for each newly diagnosed malignant cancer and selected benign and in-situ cancers in England, tumour, in order to understand how different presentation pathways lead to different 2006-2010, has been categorised into one of eight 'Routes to Diagnosis'. A sample of outcomes. The latest update covers all cancers diagnosed in 2006-2010 and expands the results from these data are shown here, broken down by day of week, cancer site and number of sites analysed as well as examining the role day of the week has on a patient's year of diagnosis. route and subsequent survival.

Methodology

Cancer survival in England is lower than the European average, which has been at least Hospital Episode Statistics (HES) are combined with Cancer Waiting Times (CWT) data,

Does it matter when a cancer is diagnosed?

Inequalities: deprivation

Cancer incidence, 1996-2010, and mortality, 1997-2011, by deprivation quintile, in England



- National Cancer Intelligence Network, Public Health England;
- ² Statistical Information Team, Cancer Research UK

Introduction

Although cancer outcomes in the UK are improving they still appear to lag behind comparable countries in Europe⁽¹⁾. Improving Outcomes: A Strategy for Cancer ⁽²⁾ highlighted the reduction of

This project examined the latest incidence and mortality data by deprivation quintile in England, for a wide range of cancers. The aim was to update and enhance our understanding of the variation in new cancer cases and deaths between the lowest and highest income groups

The results provide insights to guide the improvements needed to deliver more equitable outcomes for everyone affected by cancer, supporting the key goals of the National Cancer Equality Initiative.

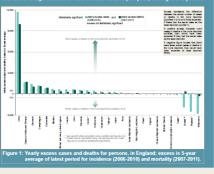
Methods

Cancer incidence and mortality for 37 individual sites and all cancers combined[3], were analysed by deprivation quintile in England, Incidence covered three periods (1998-2000, 2001-2005, 2008-2010) Mortality covered two periods (2002-2006, 2007-2011) for individual sites; for all cancers combined it additionally included 1997-2001. The earliest, mid and latest periods were split into quintiles based on the income domain scores of the 2004, 2007 and 2010 indices of multiple deprivation[4] datasets

Age-standardised rates were calculated using the 1976 European Standard Population^[5] and statistical significance tests performed on deprivation trends across quintiles and changes in trend over time. Where relevant, trend differences between sexes were tested. For statistically significant deprivation trends (i.e., p-value <0.05), excess cases and deaths were calculated

Results

- Lung cancer showed by far the largest number of excess cases (11,700
 persons per year) and deaths (9,900 persons per year) in the more deprive based on a 5-year average of the most recent periods
- breast cancer diagnoses, the more deprived were more likely to die from it, with an average excess of 350 female deaths per year, during the 5 years.

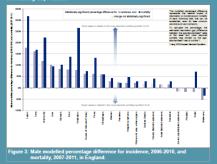


- For incidence, 2 of the 37 sites showed a statistically significant decrease
 the gap between the least and most deprived quintiles from 1996 to 2010,
 with the gap widening in 8 other sites. Figure 2 below displays the 8 most
 substantial of these 10 sites.
- Mortality trends showed no statistically significant change from 2002 to 2011

There would have been around 15,300 fewer cases and 19,200 fewer deaths per year for all cancers combined[3] if more deprived groups had the same rates as the least

deprived (over the latest 5-year periods).

- In addition to lung, incidence and mortality of other smoking-related sites, such as larvny, oral cavity, oropharyny, while smaller in absolute terms, such as larynx, oral cavity, oropharynx, while smaller in absolute terms, nevertheless show strong association with increasing deprivation, as show
- Similarly, incidence of and mortality from digestive and abdominal can such as oesophagus, stomach, liver and kidneys, also increased with



ethnicity



Breast cancer screening uptake in ethnic groups in London

Ruth H Jack¹, Henrik Moller², Tony Robson³, Elizabeth A Davies^{1,2}

¹Knowledge & Intelligence Team (London), ³King's College London, Public Health England ²Quality Assurance Reference Centre, London

BACKGROUND

In the UK it has previously been difficult to assess screening uptake in different ethnic groups due to the lack of ethnicity information recorded. This study aimed to determine whether breast cancer screening uptake varies between ethnic groups in London

METHODS

Information on women resident in London who were sent a breast cancer screening invitation between 31/03/2006 and 31/12/2009 was obtained from the London Quality Assurance Reference Centre. Women aged 50-52 who had a first call invitation (a first

invitation to the national screening programme), and women aged 50-69 who had a routine recall invitation (after previously being screened as part of the screening programme) in this period were analysed. Where ethnicity was not known, multiple imputation was used. Variables

included in the imputation were: age at invitation, screening area, whether the invite was a first call or routine recall invitation, ward of residence, socioeconomic deprivation, and whether the woman attended the screening appointment.

First call and routine recall data were analysed separately. Screening attendance in different ethnic groups was assessed using logistic regression, and adjusted for age at invitation, socioeconomic deprivation and screening area of residence. Results were then back-transformed to give adjusted proportions. Data for the six individual screening areas in London were also analysed separately.

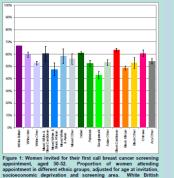
RESULTS

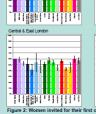
Data on 159,078 women were included in the first call analysis, and on 496,438 women in the routine recall analysis. Ethnicity information was available for 475,478 (73%) of these women. Compared with White British women, women from all other ethnic groups were less likely to attend their first call screening invitation (Figure 1). When the analysis was run separately for each screening area, some areas showed less variation, with women from several ethnic groups having similar screening attendance as White British women (Figure 2). However, women from some ethnic

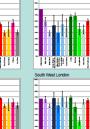
White British women were also most likely to attend for routine recall screening sessions (Figure 3). Again, there was less variation in attendance in some screening areas (Figure 4). Overall, women were more likely to attend following a routine recall invitation than they were for a first call appointment.

South East London, had very low levels of attendance.

groups in some screening areas, for example Pakistani and Bangladeshi women in







Tumour specific: breast cancer

lung cancer



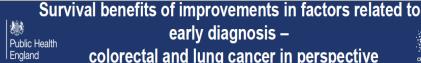
Protecting and improving the nation's health

The third all breast cancer report

Back to basics:

Breast cancer incidence and mortality

West Midlands Knowledge and Intelligence Team, Public Health England and the National Cancer Intelligence Network Breast Site Specific Clinical Reference Group



Protecting and improving the nation's health Isabella Carneiro¹, Nick Ormiston-Smith², Lucy Elliss-Brookes¹, Lucy Ironmonger². Mick Peake¹

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Background

The main goal of the National Awareness and Early Diagnosis Initiative is to promote early diagnosis of cancer, to improve survival and thereby reduce cancer mortality.

There is evidence that a lower proportion of patients present with early stage cancer in the UK compared with other countries. Several studies have explored factors related to early diagnosis, such as screening, routes to diagnosis, public awareness of cancer symptoms and resection rates.

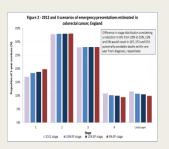
The aim of this study is to estimate the number of potentially avoidable deaths within one year of diagnosis if changes to factors related to early diagnosis were to take place and increase the proportion of diagnoses at an earlier stage.

This study focuses on lung and colorectal cancer given that they are among the cancers with highest incidence and mortality rates in England.

Methods

The proportion of colorectal and lung cancers diagnosed following an emergency presentation (EP) and for all other routes, plus the stage distribution for cases diagnosed for these routes, was taken from peer reviewed literature (McPhail, et al., 2013). These figures were applied to the number of colorectal and lung cancers diagnosed in Enoland in 2012.

Scenarios of a reduction in the proportion of EPs were analysed (including if the England average proportion was equal to the proportion for the CCG with the lowest proportion in England; 12% for colorectal and 28% for lung). One-year survival by stage estimates for 2012 (McPhall, et al., 2015) were applied to the different scenarios. The estimation shows the additional number of people surviving at one year after diagnosis in those scenarios of reduced EP compared with those surviving when there was no change in proportion diagnosed via a FE. Decrease in the proportion of colorectal cancers diagnosed via an EP from that reported by McPhall et al (2013) (25%) to 15%, 12% and 5% would have resulted in 287, 373 and 574 potentially avoidable deaths within one year from diagnosis in 2012, respectively. These results are displayed in Figure 2, broken down by stage.



A decrease in lung cancer EPs from 36% to 28%, 15% and 5% would have resulted in 247, 624 and 915 potentially avoidable deaths within one year from diagnosis in 2012, respectively (as seen in Figure 3 below).

Changes in colorectal and lung cancer are noticeable in stages one, four and unknown stage.

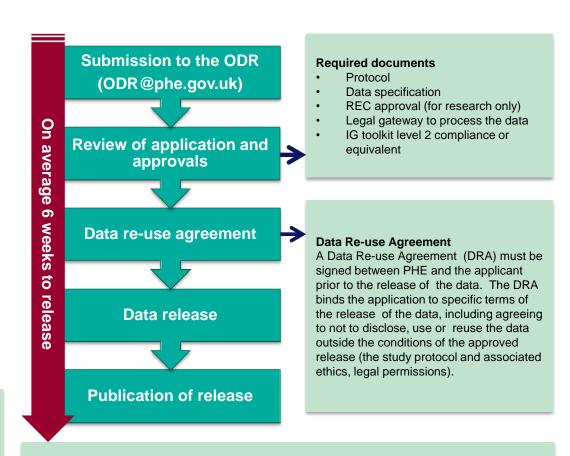
PHE Office for Data Release

The PHE Office for Data Release (ODR) ensures that requests for potentially or explicitly identifiable data are managed in line with PHE's statutory responsibilities as a data controller, so that:

- Any data sharing complies with the rights of the data subject, Data Protection Act and Caldicott principles;
- There is an appropriate legal gateway for the receiving organisation to receive and process patient or personal data;
- The physical transfer of the data is secure; and,
- The receiving organisation can satisfy that they have in place comparable controls to ensure that the data is held securely.

Data available through the ODR:

- · NCRS cancer registration data
- National Cervical Cancer Screening
- National Breast Screening Programme
- National Bowel Cancer Screening Programme
- National Drug Treatment Monitoring Dataset
- Congenital Anomalies Register

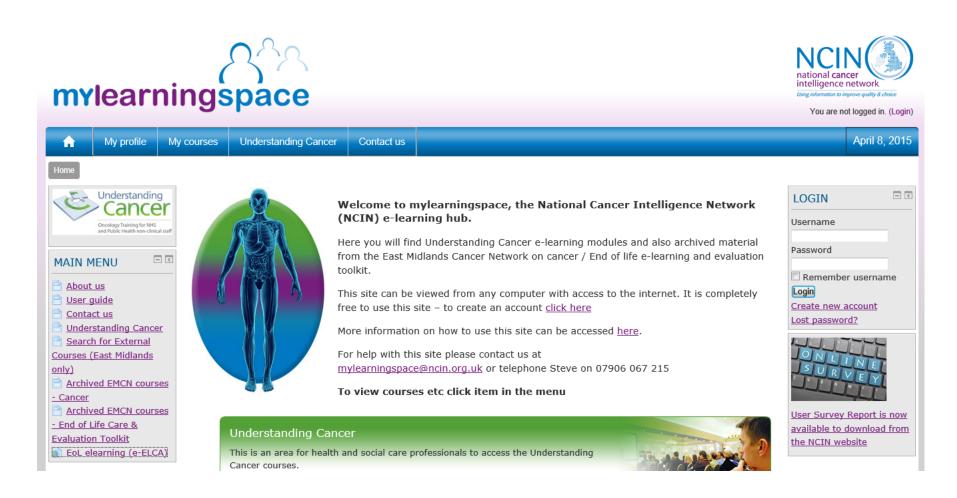


Data Release Register

PHE is committed to sharing all instances in which potentially or explicitly data is released, through the publication of a PHE Data Release Register. The first register to be published in 2015.

Understanding Cancer e-learning

http://www.mylearningspace.me.uk/moodle/



Cancer data URL

CČT

- Cancer Commissioning Toolkit
- https://www.cancertoolkit.co.uk/

NCRS

- Cancer Stats
- https://nww.cancerstats.encore.nhs.uk/users/sign_in

NČIN

- National Cancer Intelligence Network website <u>http://www.ncin.org.uk/home</u>
- Understanding Cancer e-learning http://www.mylearningspace.me.uk/moodle/

Other data URLs

UK Cancer Tools & Intelligence				
National CancerStats	https://nww.cancerstats.nhs.uk			
(Cascade / COSD)				
Cancer Commissioning Toolkit	https://www.cancertoolkit.co.uk/			
Macmillan / NCIN	http://lci.cancertoolkit.co.uk/			
Local Cancer Intelligence Tool	THEED-TYTEL-CUTTECT COOKIE-COUKY			
National Cancer Audits	http://www.hscic.gov.uk/Article/1806			
NHS Cancer Screening	http://www.cancerscreening.nhs.uk			
Programmes in England				
Understanding Cancer e-learning	http://www.mylearningspace.me.uk/moodle/			
Public Health Profiles	http://fingertips.phe.org.uk/			
Local Tobacco Control Profiles	http://www.tobaccoprofiles.info/			
Healthier Lives	http://healthierlives.phe.org.uk/topic/mortality			
Strategic Health Asset Planning	http://shape.dh.gov.uk/index.asp			
and Evaluation (SHAPE)				
PHE Data and Knowledge Gateway	http://datagateway.phe.org.uk/			
Cancer Research UK – Cancer	http://www.cancerresearchuk.org/cancer-info/cancerstats/			
Statistics				
NHS Evidence	http://www.evidence.nhs.uk/			

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