

NCIN
national cancer
intelligence network



Using information to improve quality & choice

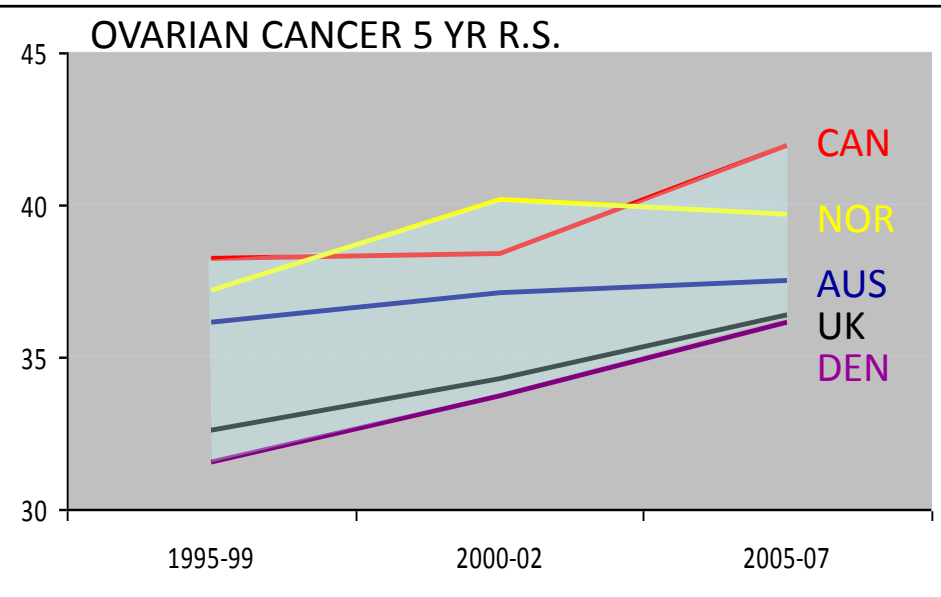
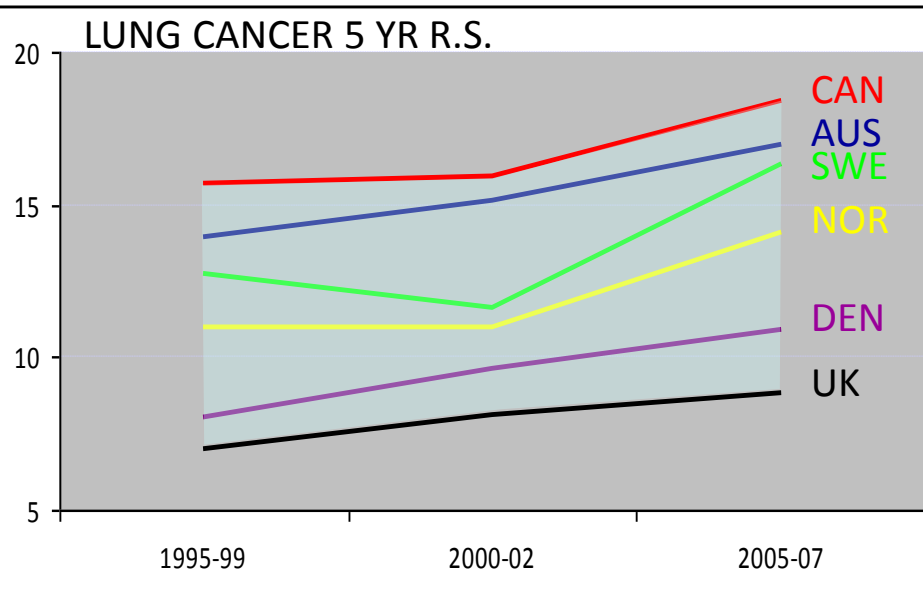
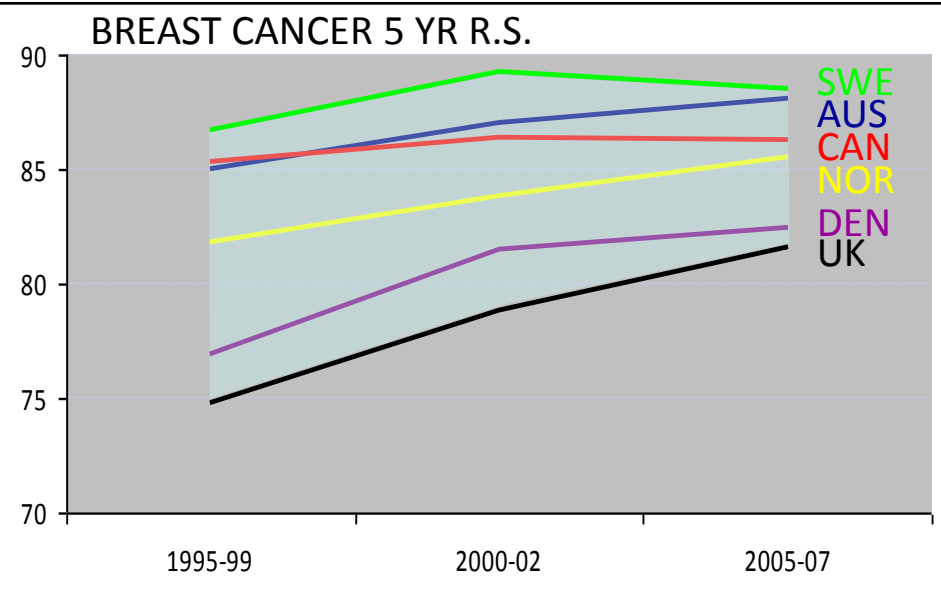
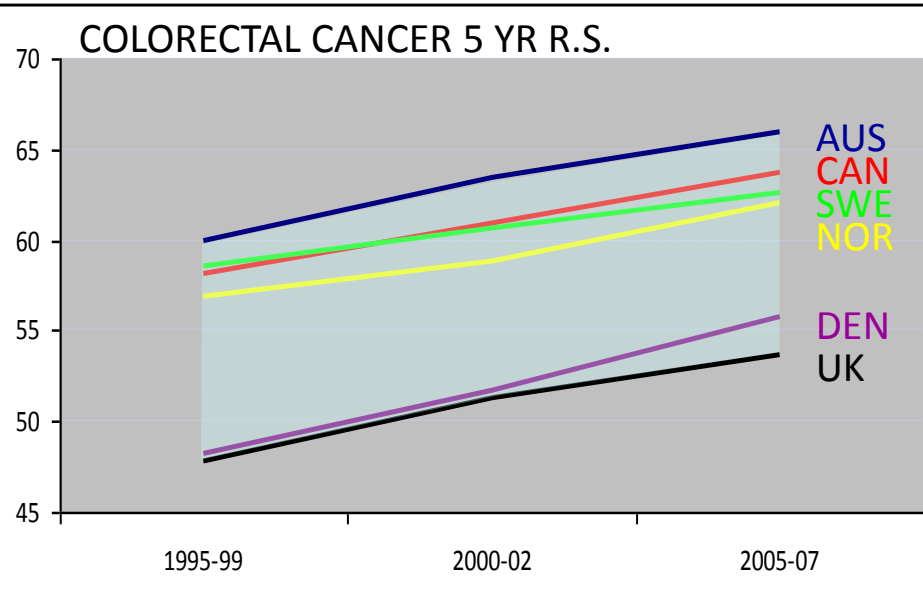
What is the NCIN?

Dr Mick Peake

Clinical Lead, NCIN

www.ncin.org.uk

International Cancer Benchmarking Partnership: Comparative 5 yr relative survival 1995 - 2007



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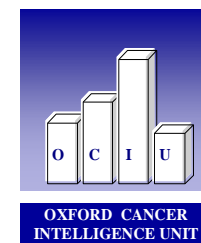
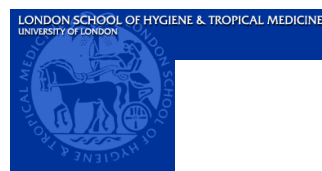
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Goal for NCIN: “To develop the best cancer information service of any large country in the world – by 2012”

Mike Richards 2007

www.ncin.org.uk

NCIN Partners



Cancer Screening Programmes

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NCIN Direct Funders



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NCIN Direct Funders



Public Health England

**WE ARE
MACMILLAN.
CANCER SUPPORT**

Using information to improve quality & choice



NCIN core objectives



- Promoting efficient and effective data collection throughout the cancer journey
- Providing a common national repository for cancer datasets
- Producing expert analyses, based on robust methodologies, to monitor patterns of cancer care
- Exploiting information to drive improvements in standards of cancer care and clinical outcomes
- Enabling use of cancer information to support audit and research programmes

Using information to improve quality & choice

Site-Specific Clinical Reference Groups

- **Brain/CNS**
- **Breast**
- **Children, Teenage & Young Adults**
- **Colo-rectal**
- **Gynaecological cancers**
- **Haematological cancers**
- **Head & Neck**
- **Lung**
- **Bone & soft tissue Sarcoma**
- **Skin (including non-melanoma)**
- **Upper GI (including Hepato-biliary)**
- **Urology (all 4 sub-types)**

Lead Cancer Registries (Knowledge & Intelligence Teams)

Tumour site	Lead Registry
Breast cancer	West Midlands Cancer Intelligence Unit
CNS cancers	Eastern Cancer Registry and Information Centre
Colorectal cancer	Northern and Yorkshire Cancer Registration and Information Service
Gynaecological cancers	Trent Cancer Registry
Haematological cancers	Northern and Yorkshire Cancer Registration and Information Service
Head & neck cancers	Oxford Cancer Intelligence Unit
Lung cancer	Thames Cancer Registry
Sarcomas	West Midlands Cancer Intelligence Unit
Skin cancer	South West Public Health Observatory
Upper GI cancers	Thames Cancer Registry
Urological cancers	South West Public Health Observatory
Children & TYA	North West Cancer Intelligence Service
	Childhood Cancer Research Group

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'Cross-cutting' Groups

- **Radiotherapy**
 - collection and use of RT data
- **Chemotherapy**
 - development and implementation of dataset
- **Pathology** (with RCPATH)
 - datasets
- **Radiology**: Joint RCR/NCIN working party
 - proforma-based (codable) reporting (diagnosis/stage)
 - extraction of data from RIS systems
- **Co-morbidity**
- **National Cancer Staging Panel**
- **(Health Economics)**

Site-Specific Clinical Reference Groups

- In place since late 2008
- Very varied 'starting points' (e.g. Lung vs CNS tumours)
- Opinion leaders chosen as chairs
- Multi-disciplinary clinical membership (except primary care!!)
- Lay (patient) and voluntary sector members
- Strong links with professional bodies & National Cancer Research Institute Clinical Study Groups
- Work closely with a lead Cancer Registry
- Chairs' Forum meets twice a year
- Annual workshops with Cancer Network SSG chairs

Site-Specific Clinical Reference Groups

- Examples of work to date:
 - Annual work programmes
 - General site-specific clinical advice
 - National Cancer Datasets
 - Review of National Cancer Data Repository
 - Production of ‘data briefings’
 - Supporting Peer Review (Clinical Lines of Enquiry)
 - Supporting Map of Medicine
 - Links with National Cancer Audits
 - Feeding into NICE guideline development & Quality Standards programme
 - Development of Service Profiles

NCIN – Main outputs

- National Cancer Data Repository
- National level reports
- E-Products:
 - eAtlas
 - Cancer Commissioning Toolkit
 - GP Practice & Service profiles
- Data briefings
- Dataset development & implementation
- Clinically-led work programmes
- Analytical programmes with CRUK and Macmillan

Who do we produce intelligence for?

- Clinicians
- Department(s) of Health/NHS Commissioning Board/Public Health England
- Health Care Providers
- Health Care Commissioners
- Research Community
- National Statistics
- International Cancer Benchmarking Partnership
- Patients and the public

National Cancer Data Repository (v2010)



Registry-HES linkage: 1985-2010 (England)

- >8 million tumour records from Registries
 - c. 30 fields of data
- >50 million hospital in patient episodes
 - c. 150 fields of data

More recently added

- National Cancer Audit data
- Co-morbidity (Charlson Index)
- Radiotherapy Dataset

Some national reports & analyses - www.ncin.org.uk



- UK incidence & mortality
- One year survival
- Deprivation
- Prevalence
- Ethnicity
- Male Cancers
- Major Surgery
- Routes to Diagnosis
- Cervical, Breast and Head & neck cancers
- 30-day mortality after colo-rectal surgery

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C15: Oesophagus

Males						Females						Persons					
Years of experience	Number in Cohort	Cumulative Deaths	% Crude	% Relative	95% Confidence Interval	Number in Cohort	Cumulative Deaths	% Crude	% Relative	95% Confidence Interval	Number in Cohort	Cumulative Deaths	% Crude	% Relative	95% Confidence Interval		
1990-1994	13,421	5,848	26.3	27.4	26.8 - 28.2	11,702	5,292	22.6	23.6	22.6 - 24.6	25,123	11,140	24.2	25.5	24.2 - 26.7		
1995-1999	13,421	5,848	26.3	27.4	26.8 - 28.2	11,702	5,292	22.6	23.7	22.8 - 24.6	25,123	11,140	24.2	25.8	24.3 - 27.3		
2000-2004	13,421	5,848	26.3	27.4	26.8 - 28.2	11,702	5,292	22.6	23.7	22.8 - 24.6	25,123	11,140	24.2	25.8	24.3 - 27.3		
2005-2009	13,421	5,848	26.3	27.4	26.8 - 28.2	11,702	5,292	22.6	23.7	22.8 - 24.6	25,123	11,140	24.2	25.8	24.3 - 27.3		
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2015-2019	13,421	5,848	26.3	27.4	26.8 - 28.2	11,702	5,292	22.6	23.7	22.8 - 24.6	25,123	11,140	24.2	25.8	24.3 - 27.3		
2020-2024	13,421	5,848	26.3	27.4	26.8 - 28.2	11,702	5,292	22.6	23.7	22.8 - 24.6	25,123	11,140	24.2	25.8	24.3 - 27.3		
Estimated change per 5-year cohort (%)						Estimated change per 5-year cohort (%)						Estimated change per 5-year cohort (%)					
P value: 0.070						P value: 0.073						P value: 0.031					

Notes on Trend

The regression test shows no statistically significant trend change in relative survival over all four time periods.

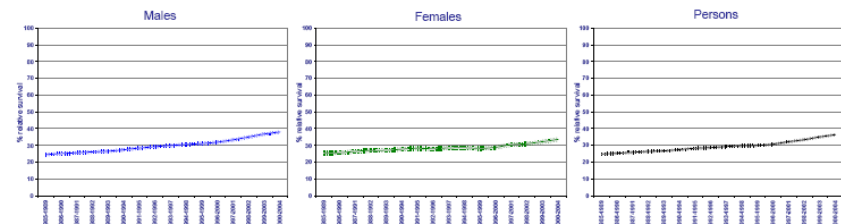
Estimated 4.5% change per 5 year cohort gives an estimated increase of 0.55% per annum.

Notes on Trend

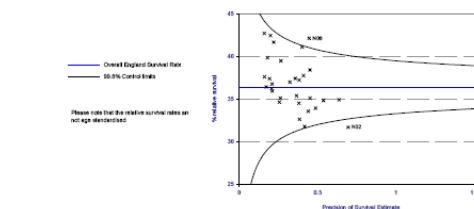
The regression test shows no statistically significant trend change in relative survival over all four time periods. However, lower, but not significant, differences between one time period and another but these have not been specifically tested.

Notes on Trend

Estimated 3.7% change per 5 year cohort gives an estimated increase of 0.74% per annum.



Country/Region	Males					Females					Persons				
	Number in Country	Commutative Ratio	% Crude Burden	% Relative Burden	% Crude Incidence	Number in Country	Commutative Ratio	% Crude Burden	% Relative Burden	% Crude Incidence	Number in Country	Commutative Ratio	% Crude Burden	% Relative Burden	% Crude Incidence
Algeria	3,143	763	24.3	13.7	30.2	3,011	679	22.6	12.8	28.7	6,154	716	23.5	13.2	29.4
Algeria (excl. Moroccan and Tunisian Coast Cts)	1,933	763	39.5	13.7	30.2	1,811	679	37.5	12.8	28.7	3,744	716	38.5	13.2	29.4
Algeria (Moroccan and Tunisian Coast Cts)	1,210	0	0.0	0.0	0.0	1,200	0	0.0	0.0	0.0	2,410	0	0.0	0.0	0.0
Angola	200	401	43.4	44.2	40.7	459.0	409	25.0	24.5	23.3	659	343	45.0	44.8	43.0
Angola (excl. Namibian and South African Coast Cts)	100	401	43.4	44.2	40.7	459.0	409	25.0	24.5	23.3	559	343	45.0	44.8	43.0
Angola (Namibian and South African Coast Cts)	100	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	100	0	0.0	0.0	0.0
Arab World (excl. Israel)	330	420	33.0	30.2	30.5	241.7	344	26.7	26.3	26.1	674.7	355	31.5	31.5	31.5
Arab World (Israel)	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0
Arab World (Total)	330	420	33.0	30.2	30.5	241.7	344	26.7	26.3	26.1	674.7	355	31.5	31.5	31.5
Arctic Area	200	350	45.0	42.0	39.5	481.1	351	27.7	25.5	23.5	651.1	400	29.0	27.0	27.0
Arctic Area (excl. Greenland)	200	350	45.0	42.0	39.5	481.1	351	27.7	25.5	23.5	651.1	400	29.0	27.0	27.0
Arctic Area (Greenland)	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0
Australia (excl. Northern and Western Cts)	227	349	34.7	33.0	31.0	412.0	336	24	22.5	21.5	463	335	24.5	22.5	22.5
Australia (Northern and Western Cts)	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0
Australia (Total)	227	349	34.7	33.0	31.0	412.0	336	24	22.5	21.5	463	335	24.5	22.5	22.5
Barbados	148	223	45.5	38.5	38.1	411.1	170	33.3	33.3	33.3	258.1	213	36.0	36.0	36.0
Barbados (excl. London Cts)	148	223	45.5	38.5	38.1	411.1	170	33.3	33.3	33.3	258.1	213	36.0	36.0	36.0
Barbados (London Cts)	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0
Belize	200	349	33.0	33.0	33.0	411.1	351	30.0	30.0	30.0	551.1	350	31.5	31.5	31.5
Belize (excl. London Cts)	200	349	33.0	33.0	33.0	411.1	351	30.0	30.0	30.0	551.1	350	31.5	31.5	31.5
Belize (London Cts)	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0
Bhutan	200	223	45.5	45.5	45.5	411.1	229	43.0	43.0	43.0	411.1	229	43.0	43.0	43.0
Bhutan (excl. London Cts)	200	223	45.5	45.5	45.5	411.1	229	43.0	43.0	43.0	411.1	229	43.0	43.0	43.0
Bhutan (London Cts)	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0
Bolivia	100	349	45.9	45.9	45.9	411.1	351	30.0	30.0	30.0	451.1	400	31.5	31.5	31.5
Bolivia (excl. London Cts)	100	349	45.9	45.9	45.9	411.1	351	30.0	30.0	30.0	451.1	400	31.5	31.5	31.5
Bolivia (London Cts)	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0
Brazil	147	227	34.6	35.5	35.1	411.9	222	33.4	33.7	33.7	422.5	346	34.7	34.7	34.7
Brazil (excl. London Cts)	147	227	34.6	35.5	35.1	411.9	222	33.4	33.7	33.7	422.5	346	34.7	34.7	34.7
Brazil (London Cts)	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0
Cameroon	401	385	38.5	38.5	38.5	411.1	399	39.9	39.9	39.9	799.1	392	39.2	39.2	39.2
Cameroon (excl. Moroccan and Nigerian Cts)	401	385	38.5	38.5	38.5	411.1	399	39.9	39.9	39.9	799.1	392	39.2	39.2	39.2
Cameroon (Moroccan and Nigerian Cts)	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0
Canada	413	277	26.7	27.8	27.3	429.9	281	26.3	26.8	26.8	694.9	407	26.6	27.0	27.0
Canada (excl. Cts)	413	277	26.7	27.8	27.3	429.9	281	26.3	26.8	26.8	694.9	407	26.6	27.0	27.0
Canada (Cts)	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0
Chad	200	400	37.9	38.5	38.5	411.1	287	36.7	37.1	37.1	587.1	343	37.3	37.3	37.3
Chad (excl. Moroccan Cts)	200	400	37.9	38.5	38.5	411.1	287	36.7	37.1	37.1	587.1	343	37.3	37.3	37.3
Chad (Moroccan Cts)	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0
Chile	419	400	38.0	37.4	37.4	411.1	395	38.0	37.4	37.4	814.1	392	37.7	37.7	37.7
Chile (excl. Cts)	419	400	38.0	37.4	37.4	411.1	395	38.0	37.4	37.4	814.1	392	37.7	37.7	37.7
Chile (Cts)	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0	0	0	0.0	0.0	0.0
Colombia	55,116	305	26.1	27.8	27.2	30.5	8,892	26.6	27.1	27.0	64,008	315.0	26.8	27.4	27.4



Networks above 99.8% control limit:
N05 Yorkshire

Lung Cancer Incidence by deprivation

Cancer incidence by deprivation quintile, England, 1995 - 2004

C33-C34: Trachea, bronchus and lung

Males

Deprivation Quintile	Number of cases	Crude Rate	ASR	95% Confidence Interval	ASR Ratio	Excess Cases
1995-1999						
Least deprived	12,764	54.9	47.1	46.3 - 47.9	1.0	0
2	17,063	72.6	58.7	57.8 - 59.5	1.2	3,355
3	20,225	86.8	70.1	69.1 - 71.0	1.5	6,623
4	23,793	98.8	87.7	86.6 - 88.8	1.9	11,005
Most deprived	27,443	112.7	110.9	109.6 - 112.2	2.4	15,788
Overall	101,308	85.4	74.1	73.6 - 74.5		
2000-2004						
Least deprived	12,544	51.2	41.3	40.6 - 42.1	1.0	0
2	15,920	65.4	49.6	48.8 - 50.4	1.2	2,647
3	18,625	76.3	59.7	58.8 - 60.5	1.4	5,693
4	21,525	88.3	76.3	75.3 - 77.3	1.8	9,866
Most deprived	24,361	99.2	100.6	99.4 - 101.9	2.4	14,345
Overall	92,965	76.3	63.7	63.3 - 64.1		

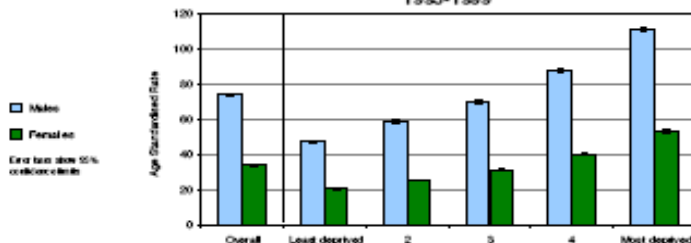
Females

Number of cases	Crude Rate	ASR	95% Confidence Interval	ASR Ratio	Excess Cases
1995-1999					
7,175	29.5	20.8	20.4 - 21.3	1.0	0
9,397	38.1	26.3	24.8 - 26.9	1.2	1,670
11,578	46.5	31.0	30.4 - 31.5	1.5	3,786
14,122	55.9	40.1	39.5 - 40.8	1.9	6,786
16,733	65.2	58.1	57.3 - 58.9	2.5	10,165
59,005	47.3	33.8	33.5 - 34.0		
2000-2004					
7,691	30.7	20.9	20.5 - 21.4	1.0	0
10,290	40.8	26.0	25.5 - 26.5	1.2	2,003
12,140	47.8	31.1	30.5 - 31.7	1.5	3,972
14,719	57.6	40.7	40.0 - 41.3	1.9	7,143
17,024	66.4	55.9	55.0 - 56.7	2.7	10,647
61,894	46.8	34.0	33.9 - 34.3		

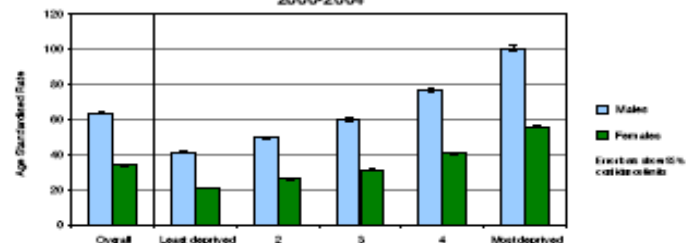
Persons

Number of cases	Crude Rate	ASR	95% Confidence Interval	ASR Ratio	Excess Cases
1995-1999					
19,959	41.9	32.0	31.5 - 32.4	1.0	0
26,450	54.9	39.6	38.1 - 40.0	1.2	5,025
31,803	66.6	47.5	47.0 - 48.0	1.5	10,409
37,915	77.2	60.1	59.5 - 60.7	1.9	17,750
44,176	88.3	77.8	77.1 - 78.6	2.4	25,951
160,313	65.9	50.9	50.7 - 51.2		
2000-2004					
20,295	40.9	29.8	29.4 - 30.3	1.0	0
26,210	52.9	36.3	35.8 - 36.7	1.2	4,660
30,065	61.7	43.3	42.9 - 43.8	1.5	9,066
36,244	72.6	55.8	55.3 - 56.4	1.9	17,008
41,375	82.5	75.2	74.5 - 75.9	2.5	24,993
154,729	62.2	46.9	46.6 - 47.1		

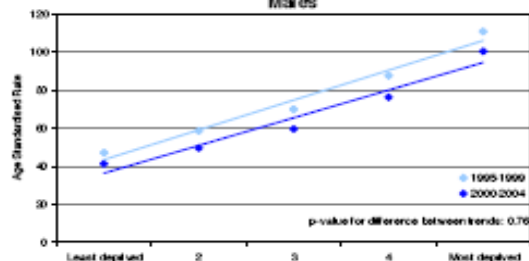
1995-1999



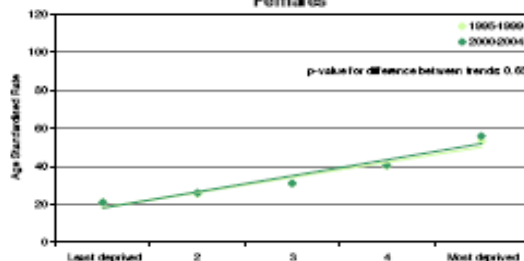
2000-2004



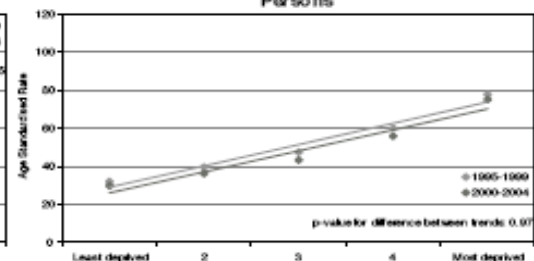
Males



Females



Persons



Cohort	Est. Deprivation Gap (Difference in ASR)	95% Confidence Interval	Modelled % Change for Trend	P-value for Trend
1995-1999	65.5	49.0 - 86.1	15.0%	0.002
2000-2004	62.4	37.5 - 87.4	18.2%	0.004

Cohort	Est. Deprivation Gap (Difference in ASR)	95% Confidence Interval	Modelled % Change for Trend	P-value for Trend
1995-1999	33.8	20.7 - 49.9	19.6%	0.004
2000-2004	36.8	20.3 - 53.3	22.2%	0.008

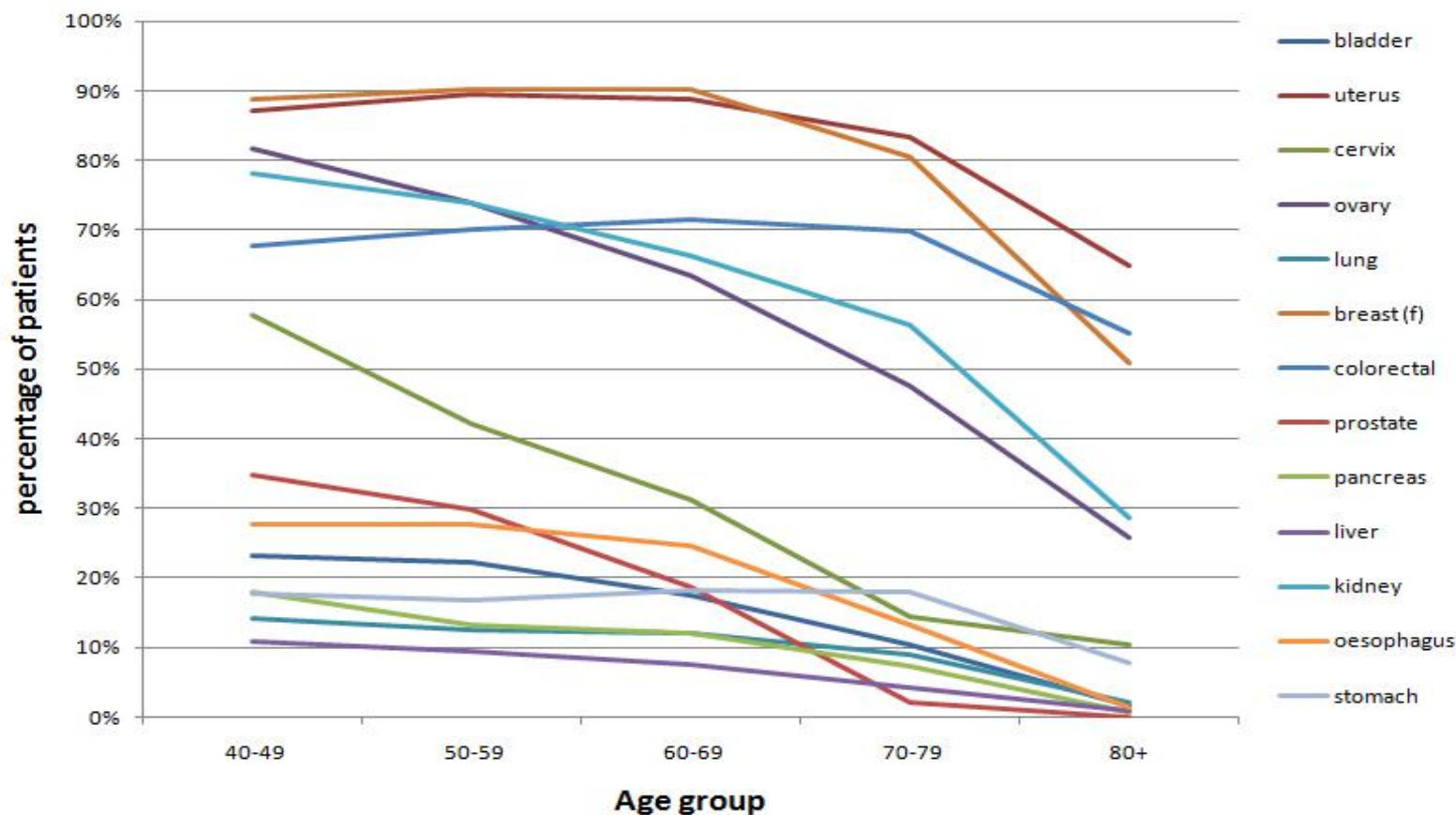
Cohort	Est. Deprivation Gap (Difference in ASR)	95% Confidence Interval	Modelled % Change for Trend	P-value for Trend
1995-1999	47.4	31.1 - 63.7	17.1%	0.003
2000-2004	47.7	27.2 - 68.3	19.6%	0.005



Major surgical resections
England, 2004-2006

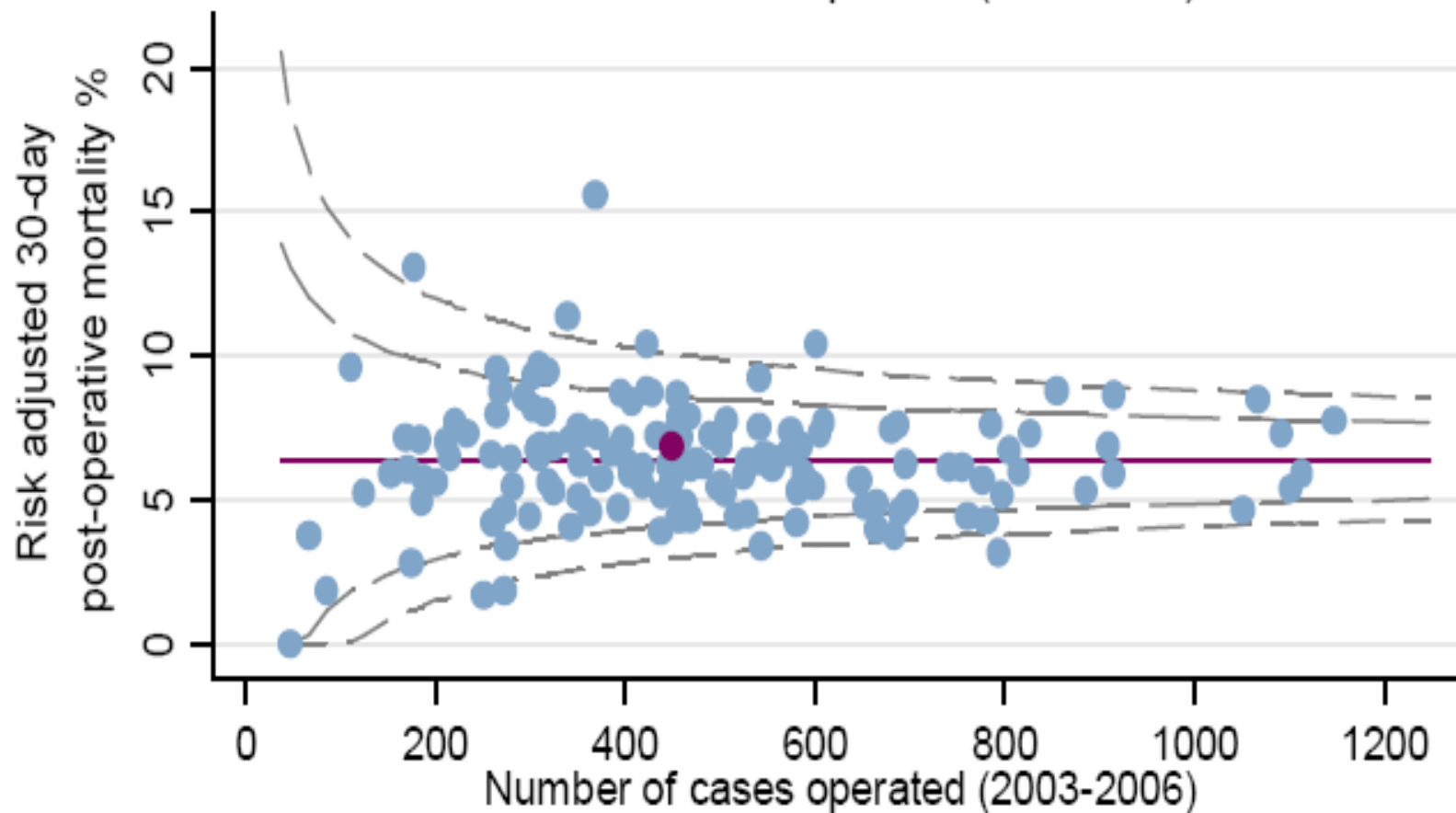
Major resection rates by age

Percentage of patients with a record of a major resection, by age and cancer site, patients diagnosed 2004-2006, followed up to 2007



Using information to improve quality & choice

30 day mortality data: Colo-rectal cancer surgery



Routes to Diagnosis

Route to diagnosis: Lung Cancer by year and sex

Lung		Screen detected	Two Week Wait	GP referral	Other outpatient	Inpatient elective	Emergency presentation	Death Certificate Only	Unknown
2006	Male		22%	19%	4%	9%	39%	1%	5%
	Confidence interval		21% 22%	19% 20%	4% 5%	9% 9%	38% 40%	1% 1%	5% 6%
	Female		21%	19%	4%	8%	41%	1%	6%
	Confidence interval		21% 22%	18% 19%	4% 4%	7% 8%	40% 42%	1% 2%	6% 7%
2007	Male		24%	18%	5%	8%	38%	1%	5%
	Confidence interval		23% 25%	17% 18%	5% 5%	8% 9%	38% 39%	1% 1%	5% 6%
	Female		23%	17%	4%	9%	40%	1%	6%
	Confidence interval		22% 24%	17% 18%	4% 5%	8% 9%	39% 41%	1% 1%	5% 6%
2008	Male		24%	19%	4%	9%	38%	1%	5%
	Confidence interval		24% 25%	18% 19%	4% 5%	9% 9%	37% 39%	1% 1%	4% 5%
	Female		23%	17%	4%	9%	41%	1%	5%
	Confidence interval		23% 24%	17% 18%	4% 4%	8% 9%	40% 41%	1% 1%	5% 5%

Source: Ellis-Brookes et al. Br J Cancer, Sept 2012

Survival at 1 year by route to diagnosis: Lung Cancer by sex

	<div><div>All routes</div><div>Two Week Wait</div><div>GP referral</div><div>Other outpatient</div><div>Inpatient elective</div><div>Emergency presentation</div><div>Unknown</div></div>											
Male	27%	38%			38%	39%		33%	12%		23%	
Confidence interval	27% 28%	37% 39%	37% 39%	38% 41%	30% 36%	11% 12%		21% 24%				
Female	30%	42%			42%	45%		35%	13%		25%	
Confidence interval	29% 30%	41% 43%	41% 43%	44% 47%	31% 38%	13% 14%		23% 27%				
All Persons	28%	40%			40%	42%		33%	12%		24%	
Confidence interval	28% 29%	39% 41%	39% 41%	41% 43%	31% 36%	12% 13%		22% 25%				

Source: Ellis-Brookes et al. Br J Cancer, Sept 2012

Survival at 1 year by route to diagnosis: Lung Cancer by sex

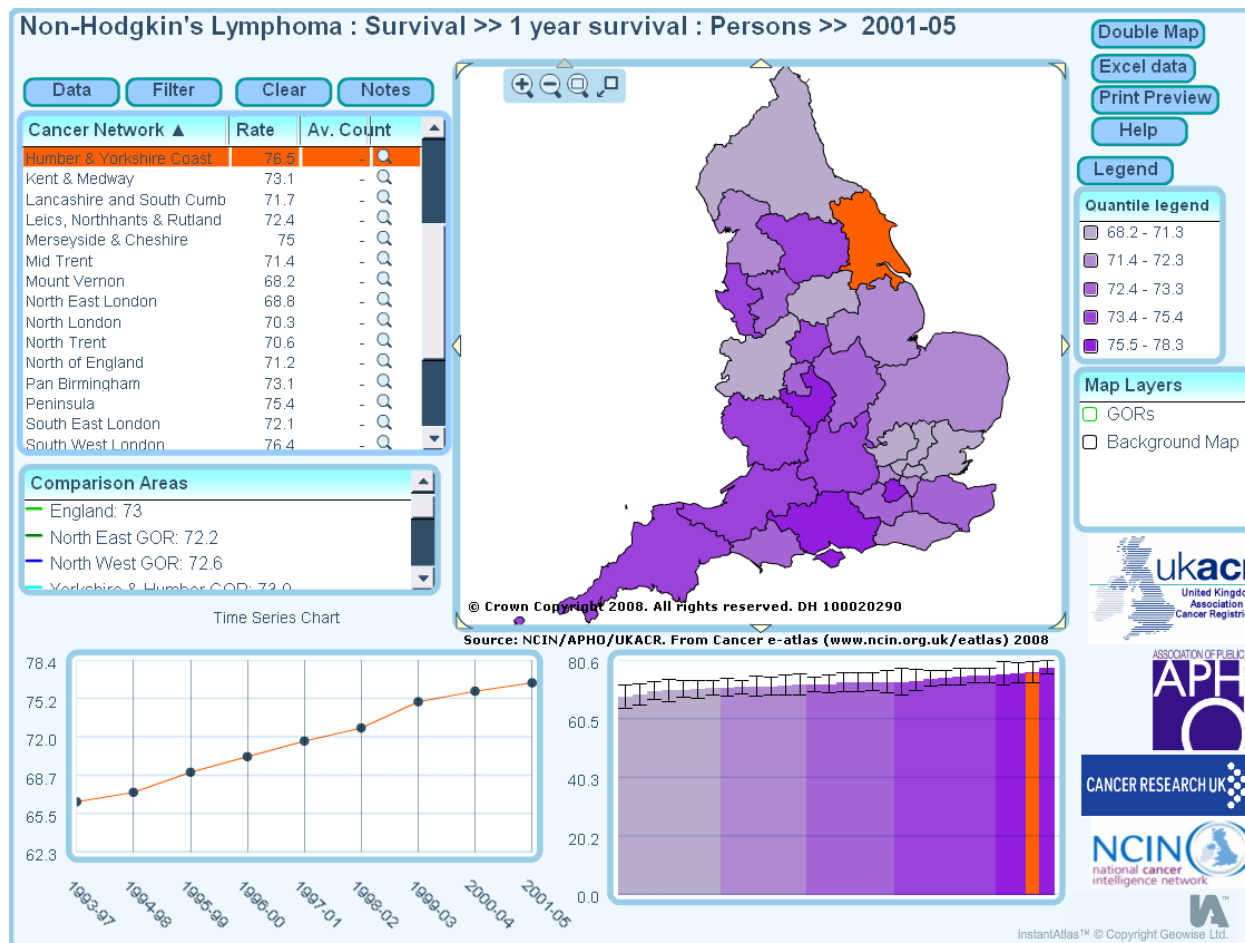
	All routes	Two Week Wait				GP referral		Other outpatient		Inpatient elective	Emergency presentation		Unknown
Male	27%	38%				38%		39%		33%	12%		23%
<i>Confidence interval</i>	27% 28%	37%	39%	37%	39%	38%	41%	30%	36%	11%	12%	21%	24%
Female	30%	42%				42%		45%		35%	13%		25%
<i>Confidence interval</i>	29% 30%	41%	43%	41%	43%	44%	47%	31%	38%	13%	14%	23%	27%
All Persons	28%	40%				40%		42%		33%	12%		24%
<i>Confidence interval</i>	28% 29%	39%	41%	39%	41%	41%	43%	31%	36%	12%	13%	22%	25%

Source: Ellis-Brookes et al. Br J Cancer, Sept 2012

- Cancer e-Atlas
- UK Cancer Information Service (UKCIS)
- Cancer Commissioning Toolkit
- GP Practice profiles
- HES Microsites
- Various portals & ‘hubs’:
 - Inequalities portal
 - Urological cancer hub
 - Skin cancer hub

National Cancer e-Atlas

www.ncin.org.uk/eatlas

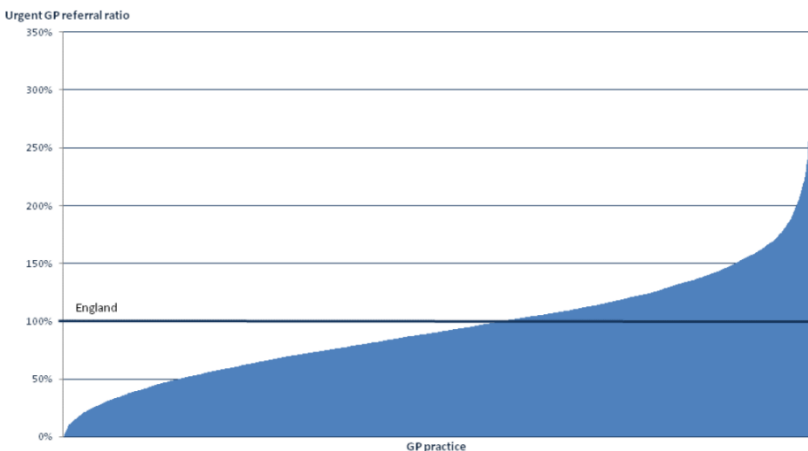


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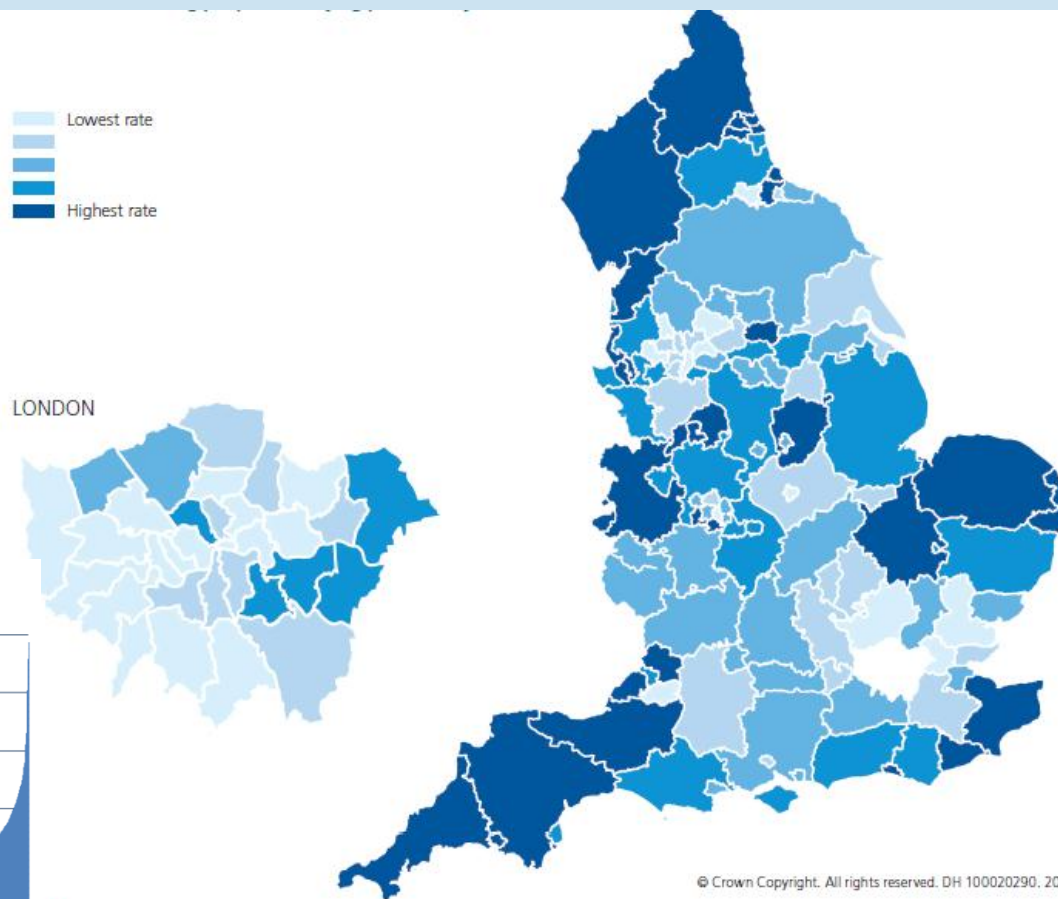
NHS atlas and data briefing

Rate of urgent GP referrals for suspected cancer

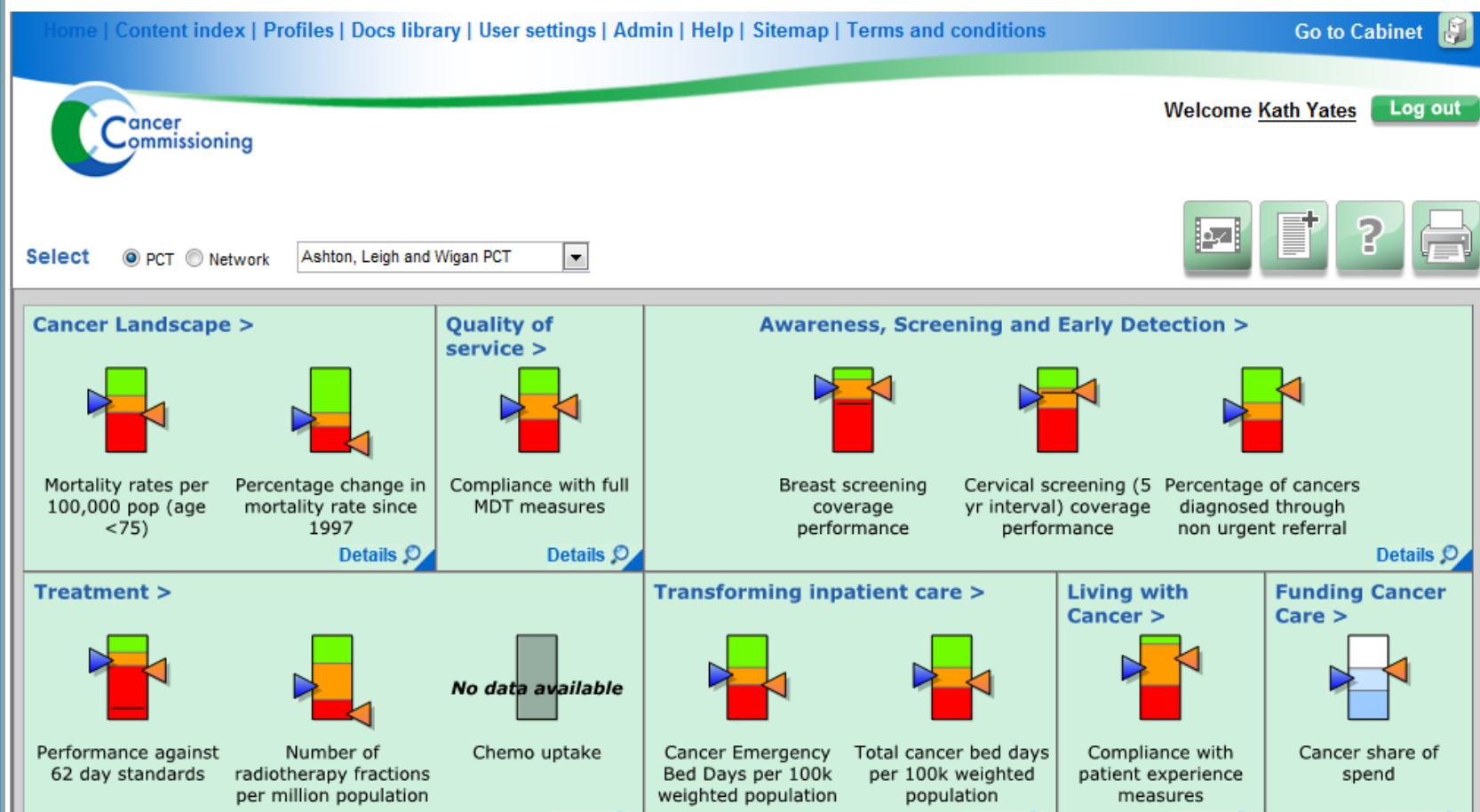
Age-sex standardised urgent GP referral ratios, by GP practice, 2009, England



Lowest rate
Highest rate



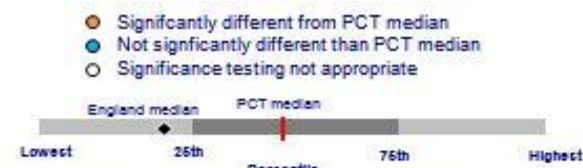
Cancer Commissioning Toolkit - dashboard




























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GP Practice profiles

Cancer indicators in Practice 6, ANON PCT (1)



Domain	Indicator (Rate or Ratio)	Number	Rate or Ratio	Median Practice	Lowest Practice	Quartile ranges of practice rates/ratios in PCT	Highest Practice
Demographic	Practice Population (% of average practice in PCT)	12874	159.9	94.5	19.8		261.4
	Practice Population aged 65+ (% of population in this practice aged 65+)	1882	15%	14%	0%		26%
	Socio-economic deprivation quintile, 1= affluent (% of practice population income deprived)	3	14%	15%	5%		35%
	New cancer cases (Crude rate - new cases per 10,000 population)	52	383.8	421.6	190.9		557.1
	Cancer deaths (Crude rate - deaths per 10,000 population)	22	126.0	186.6	105.0		282.7
	Prevalant cancer cases (% of population with cancer)	156	1.2%	1.2%	0.1%		3.0%
Cancer screening	Number aged 60-74 screened (breast) in last 30 months (3 year coverage, %)	427	74.0	66.4	34.3		95.0
	Number aged 60-74 screened (breast) within 6 months of invitation (Uptake, %)	222	77.0	70.2	35.9		96.8
	Number aged 24-49 screened (cervix) in last 42 months (3.5 year coverage, %)	426	84.9	68.0	33.2		97.4
	Number aged 60-69 screened (bowel) in last 30 months (2.5 year coverage, %)	239	46.8	69.2	32.7		96.0
	Number aged 60-69 screened (bowel) within 6 months of invitation (Uptake, %)	458	68.8	66.6	33.4		97.4
Cancer Waiting Times	Two-week wait referrals (Rate per 10,000 population)	218	169.3	181.4	0.0		403.9
	Two-week referrals with cancer (Conversion rate - % of all T/w/w referrals with cancer)	29	13%	9%	0%		24%
	Number of new Cancer Waiting Time cases (number per 10,000 population)	56	43.5	37.9	0.0		92.9
Presentation & Diagnostics	In-patient or Day-case Colonoscopy procedures (Rate per 10,000 population)	5	15.5	17.4	9.0		23.7
	In-patient or Day-Case Flexi-sig procedures (Rate per 10,000 population)	7	22.4	16.1	8.5		24.0
	In-patient or Day-case UGI endoscopy procedures (Rate per 10,000 population)	13	16.7	17.1	8.1		23.9
	Two-week referrals with suspected breast cancer (Rate per 10,000 population)	47	36.5	38.4	0.0		88.0
	Two-week referrals with suspected lower GI cancer (Rate per 10,000 population)	45	35.0	31.0	0.0		76.5
	Two-week referrals with suspected lung cancer (Rate per 10,000 population)	3	2.3	5.0	0.0		17.2
	Two-week referrals with suspected skin cancer (Rate per 10,000 population)	27	21.0	25.8	0.0		131.1
	Number of emergency admissions with cancer (Rate per 10,000 population)	11	23.5	15.6	8.1		23.9
	Number of emergency presentations (Rate per 10,000 population)	15	15.9	18.2	10.4		29.9
	Number of managed presentations (Rate per 10,000 population)	11	19.5	16.9	8.0		23.9
	Number of other presentations (Rate per 10,000 population)	12	15.2	18.5	10.4		29.9

Skin hub – PCT profiles

Malignant Melanoma >> Incidence - All-Age >> 2007-09 DSR per 100,000

Skin Cancer Profiles - Primary Care Trusts

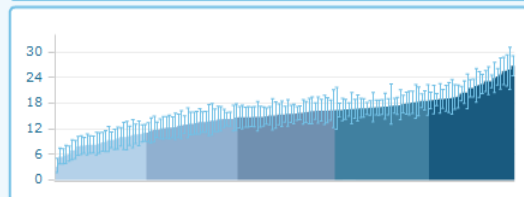
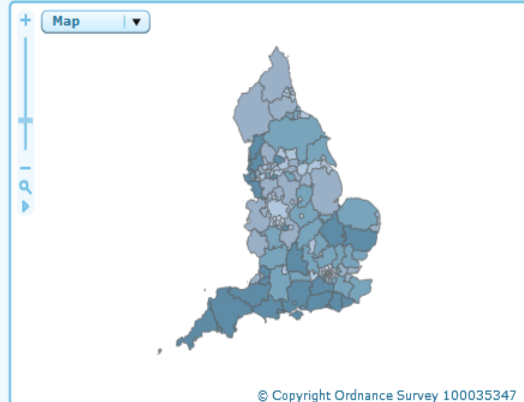
Data Filter Clear

Legend

Download Data

Table/Map

Help



☒ Primary Care Trusts 2010

3.0 - 10.9
11.0 - 14.6
14.7 - 16.2
16.3 - 18.4
18.5 - 26.6

☐ Strategic Health Authorities

☐ Regional Mean



Indicator	Area	Local Value	Local Number	England Average	Current Performance
▼ Malignant Melanoma					
Incidence - All-Age					
Incidence - Under ...					
Mortality - All-Age					
Mortality - Under A...					
▼ Contributory Factors					
IMD Average Score					
Ethnicity					
Population Age - 2...					
Sunshine Hours					
▼ General Health					
Male Life Expectan...					
Female Life Expect...					
Early Deaths from ...					
Early Deaths from ...					

Significance compared with England average: worse ● better ◆ none ● not calculated ●

England Average | Regional Value ◆

Q0 to Q1 Q1 to Q3 Q3 to Q4

— +

Research potential

- **Analysis of Data Repository (∞)**
 - Hospital ‘footprint’
 - Primary care data
- **Follow up of longer term outcomes of patients in clinical trials:**
 - OP visits/primary care data
 - Recurrence
 - Late effects
 - Survival
- **Planning of clinical trials**
- **Biosample annotation**
- **Development of Patient Reported Outcome Measures.....**

NCIN

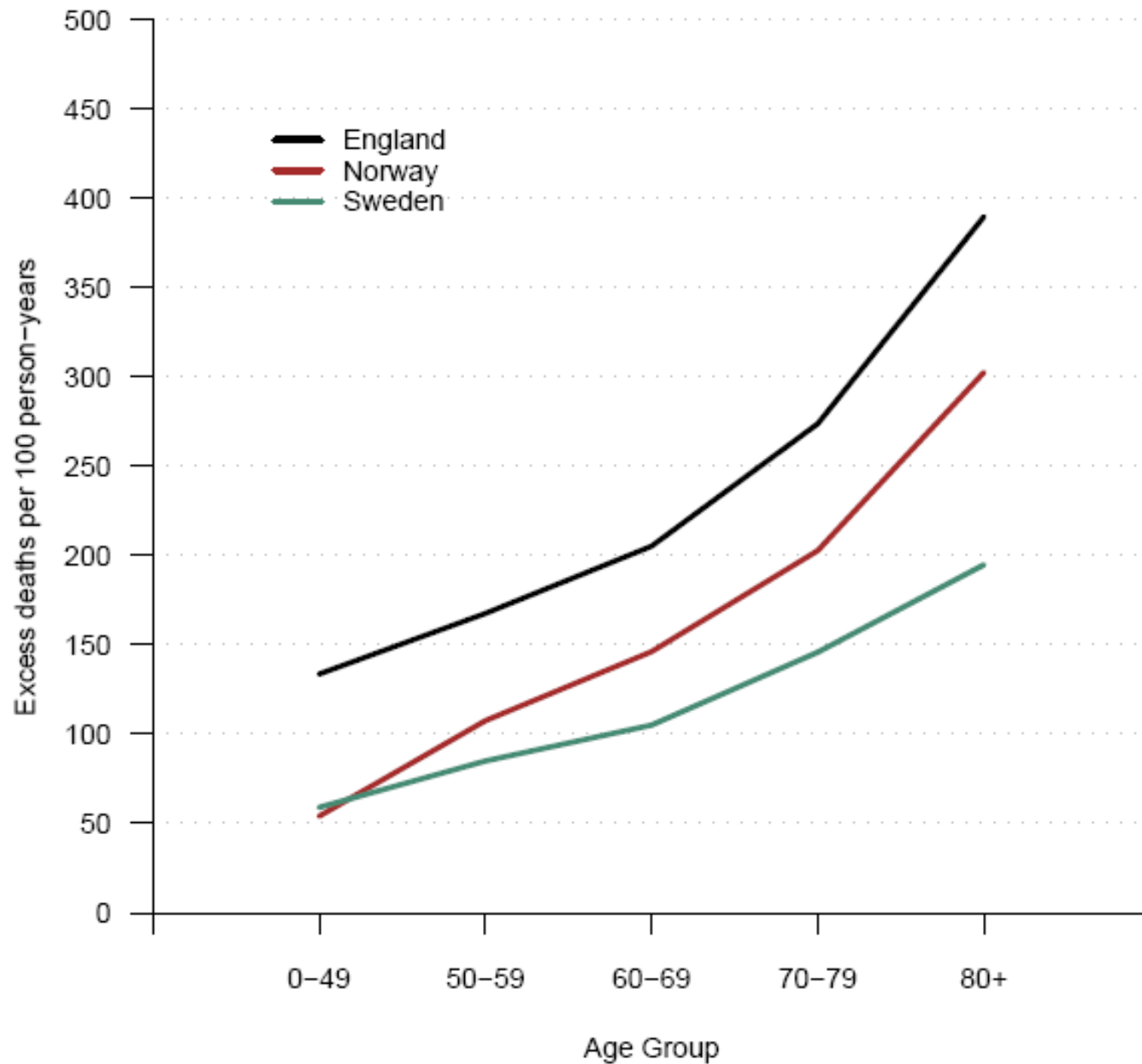
national cancer
intelligence network



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www.ncin.org.uk

Follow-up interval: 0-1m



Follow-up interval: 1-2y

