NCIN

national cancer intelligence network

Using information to improve quality & choice

www.ncin.org.uk

NCRI
National Cancer Research Institute

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

NCRI
National Cancer Research Institute

NCIN

national cancer intelligence network

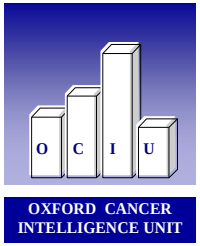
Using information to improve quality & choice

Goal for NCIN: "To develop the best cancer information service of any large country in the world"

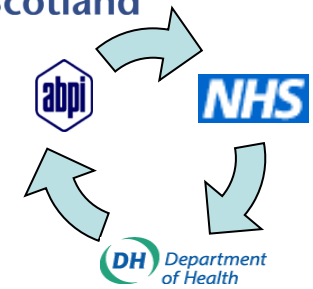
www.ncin.org.uk

NCRI
National Cancer Research Institute

NCIN Partners



Northern and Yorkshire
Cancer Registry and Information Service



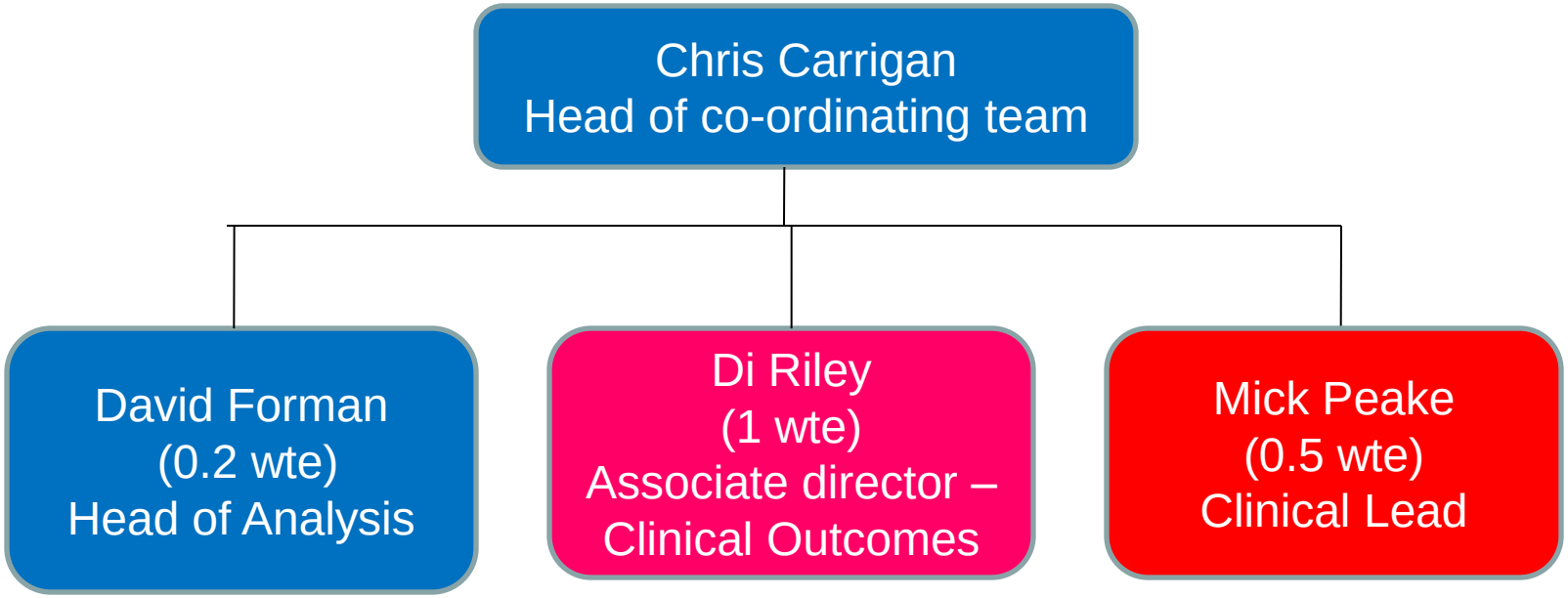
West Midlands
Cancer Intelligence Unit

Cancer Screening Programmes

Using information to improve quality & choice

NCIN Core Team

NCIN national cancer intelligence network

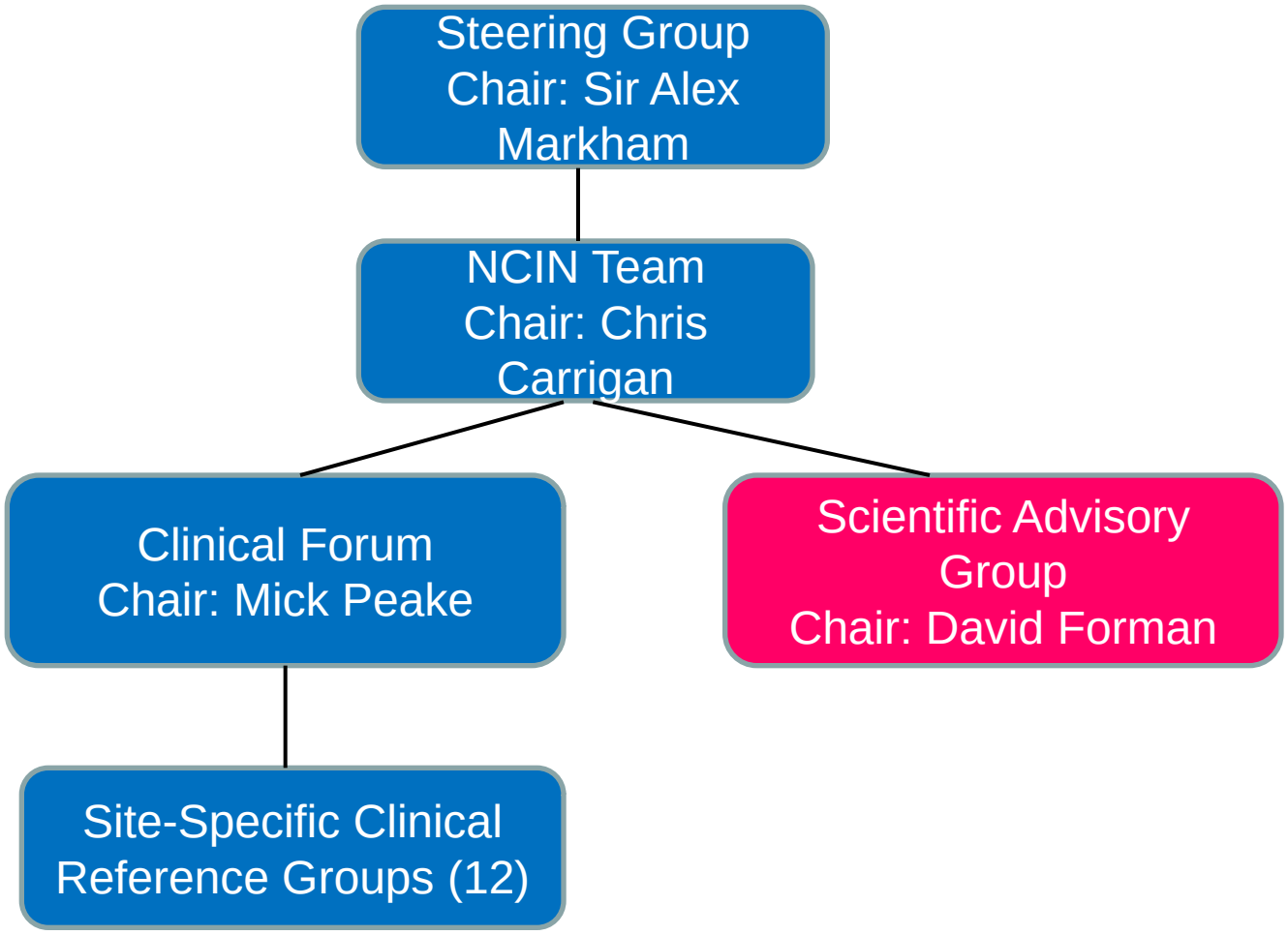


NCRN National Cancer Research Network

NCRI National Cancer Research Institute

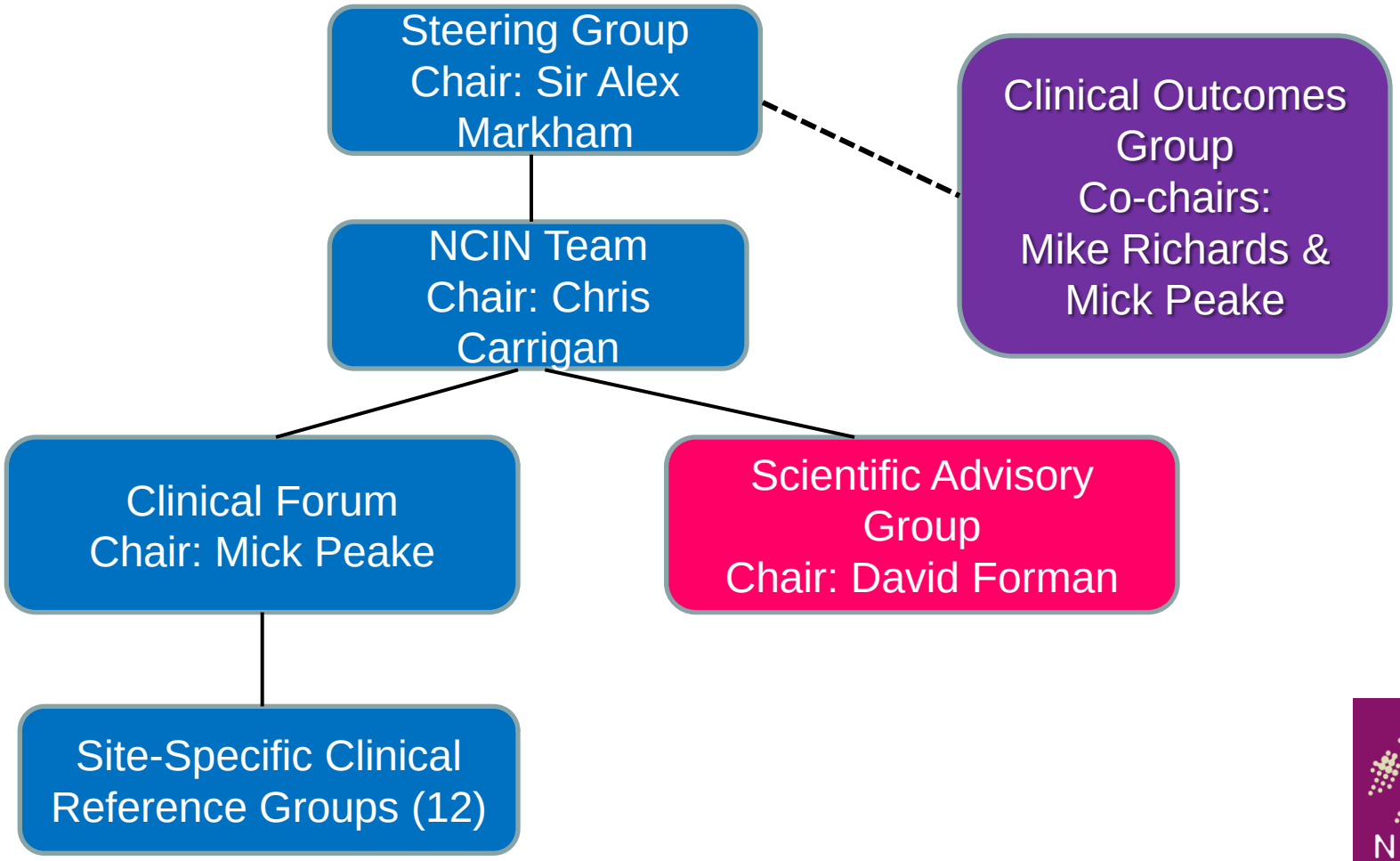
Using information to improve quality & choice

NCIN Current structure



Using information to improve quality & choice

NCIN Current structure



Using information to improve quality & choice

NCIN core objectives

NCIN national cancer intelligence network

- 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

Site-Specific Clinical Reference Groups

NCIN national cancer intelligence network

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

Main issues for SSCRGs

NCIN national cancer intelligence network

- Development of a work programme (linked to national priorities)
- Support for data set development
- Identification of main clinical indicators
- Supporting the development of Peer Review measures
- Advising on co-morbidity/radiology etc.
- Improving staging (engaging pathologists)
- Promoting clinical (and public) engagement
- Advising on reporting
- Making the most of links with the research community
- Supporting the use of data to change clinical practice
- Advising on care pathways (Map of Medicine)

Other workstreams

NCIN
national cancer
intelligence network

- Pathology
- Radiology
- Radiotherapy (NRIG)
- Chemotherapy (NCIG)
- Co-morbidity – C-M Advisory Group

National Cancer Data Repository

NCIN national cancer intelligence network

Initial work:

Registry-HES linkage: 1995-2004 (England)

- 8.5 million tumour records from Registries
  - c. 30 fields of data
- 34 million hospital in patient episodes
  - c. 150 fields of data

Current work:

- HES data up to 2007 recently added (including an assessment of out-patient HES)
- Linkage with GP Research Database
- Linkage with NCASP audit data (especially stage and performance status)
- Radiotherapy data beginning to flow (to NatCanSat)
- Linkage with Peer Review Data

Expert analyses

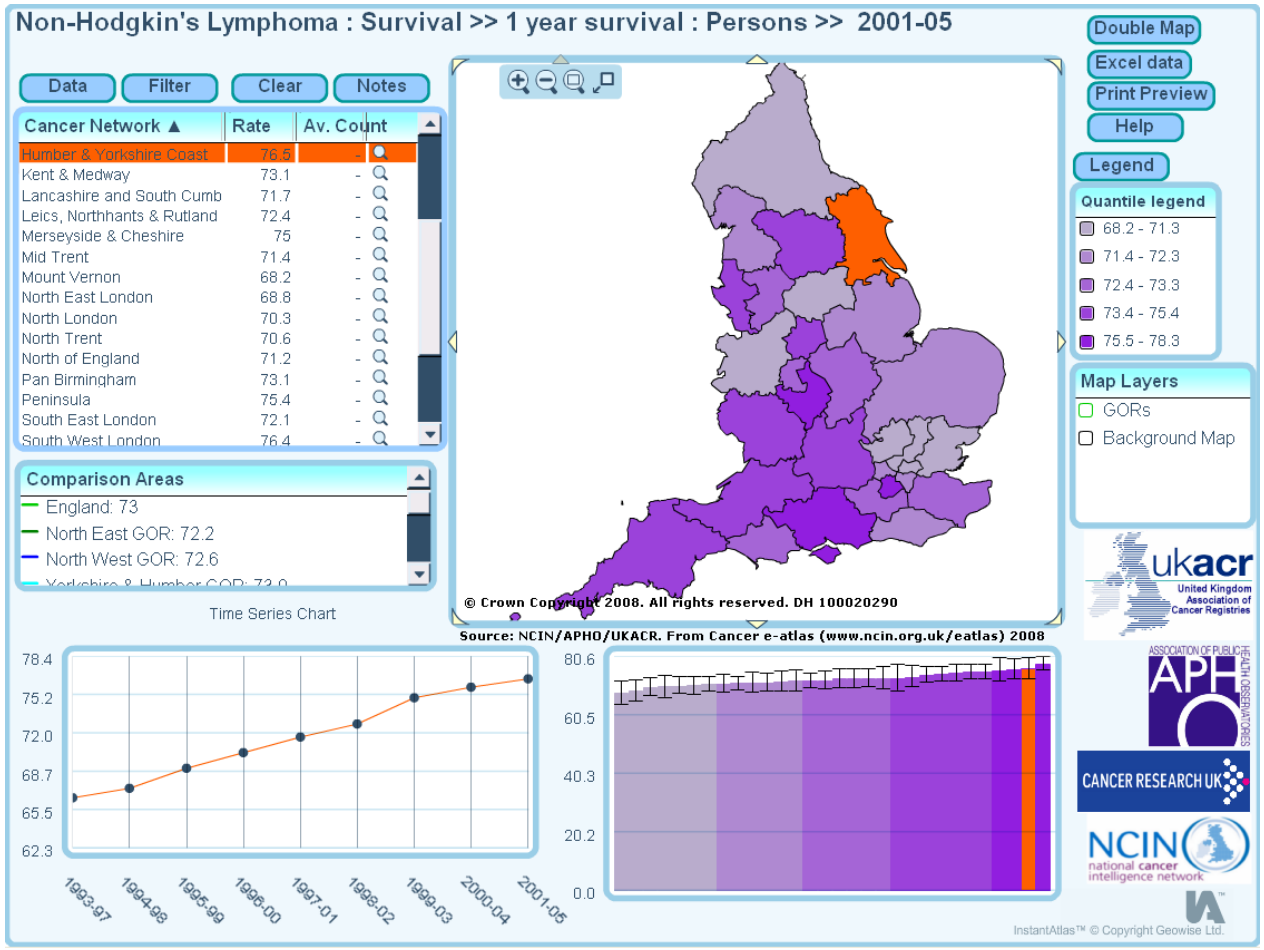
NCIN national cancer intelligence network

- Cancer eAtlas: - launched July 2008 www.ncin.org.uk/eatlas
  - Large and varied interest
  - International recognition
- Reports on:
  - UK incidence & mortality
  - One year survival
  - Deprivation
  - Prevalence
  - Ethnicity
  - Male cancers
  - Cancer in the Elderly
  - *Surgery (due out Q1 2010)*
- Microsites

National Cancer e-Atlas

www.ncin.org.uk/eatlas

NCIN national cancer intelligence network



Using information to improve quality & choice

NCRI National Cancer Research Institute

NCIN: Incidence and mortality

NCIN national cancer intelligence network

New cancer cases, crude and age-standardised* incidence rates per 100,000 (with 95% confidence intervals), Cancer Networks, UK, 2006

NCIN national cancer intelligence network

C00-C97 excl. C44: All malignant neoplasms (excl. non-melanoma skin cancer)

Cancer Network	Males: Number of cases	Males: Crude rate	Males: ASR	Males: 95% confidence interval	Females: Number of cases	Females: Crude rate	Females: ASR	Females: 95% confidence interval	Persons: Number of cases	Persons: Crude rate	Persons: ASR	Persons: 95% confidence interval
N01 Lancashire and South Cumbria CN	4,417	583.5	448.9	432.0 - 459.2	4,157	564.2	399.0	384.4 - 387.5	8,574	533.1	420.0	393.1 - 409.7
N02 Greater Manchester and Cheshire CN	7,552	590.6	450.0	440.4 - 460.0	7,123	482.6	397.3	388.5 - 386.0	14,675	486.1	403.9	397.2 - 410.0
N03 Merseyside and Cheshire CN	4,908	563.8	447.4	431.0 - 455.8	5,308	525.2	387.3	378.2 - 389.4	10,206	533.8	415.4	407.0 - 423.7
N06 Yorkshire CN	6,058	479.8	417.3	408.7 - 427.8	6,065	455.6	354.8	345.2 - 364.6	12,121	467.1	386.0	378.9 - 393.1
N07 Humber and Yorkshire Coast CN	2,805	526.8	436.3	396.9 - 415.7	2,650	502.5	384.8	342.4 - 371.4	5,316	514.3	376.8	358.0 - 389.2
N08 North Trent CN	4,823	526.7	432.8	423.0 - 445.2	4,695	519.8	376.2	356.8 - 387.7	9,395	527.8	404.4	395.0 - 412.0
N09 Birmingham CN	4,455	484.3	434.1	421.2 - 448.8	4,391	439.8	384.4	345.1 - 387.8	8,846	461.8	396.3	388.7 - 403.8
N12 Aston CN	2,279	482.1	384.4	369.5 - 403.4	2,238	445.7	334.0	321.2 - 350.7	4,517	453.8	360.2	349.3 - 371.0
N13 Mid Trent CN	4,309	543.2	418.0	405.9 - 431.4	4,078	487.8	359.1	347.4 - 370.8	8,378	520.1	388.8	380.2 - 397.5
N14 Derbyshire CN	1,782	517.8	438.4	405.4 - 445.4	1,685	470.4	361.0	333.0 - 389.0	3,467	493.8	399.2	376.7 - 401.6
N15 Leics, Northants and Rutland CN	3,848	483.4	432.8	393.4 - 435.8	3,620	449.5	352.2	343.2 - 384.3	7,298	456.3	377.8	359.0 - 395.8
N20 Mount Vernon CN	2,404	431.7	377.5	362.5 - 392.8	2,524	427.6	333.1	318.4 - 348.9	4,928	429.3	355.3	345.2 - 365.8
N21 West London CN	3,128	362.1	373.4	363.2 - 385.6	3,128	353.8	339.6	318.9 - 340.4	6,256	348.4	361.0	342.2 - 359.9
N22 North London CN	2,039	342.8	396.0	369.7 - 403.4	2,018	323.7	307.0	292.9 - 321.6	4,039	333.0	346.8	335.9 - 357.7
N23 North East London CN	2,472	326.2	384.3	349.7 - 376.8	2,491	323.6	301.7	289.2 - 314.2	4,950	324.1	333.0	323.4 - 342.6
N24 South East London CN	2,807	376.8	433.6	399.3 - 416.8	2,891	377.6	342.4	329.3 - 355.8	5,698	376.3	373.0	362.9 - 383.0
N25 South West London CN	2,532	380.7	414.9	398.6 - 431.3	2,485	365.3	332.8	318.9 - 346.4	4,897	376.3	373.8	363.0 - 384.5
N26 Peninsula CN	4,774	607.3	412.4	403.4 - 424.5	5,016	602.2	362.1	373.5 - 388.7	9,790	604.7	387.3	380.0 - 405.7
N27 Devon CN	2,401	739.8	436.9	431.9 - 459.8	2,334	635.1	361.3	356.5 - 404.6	4,735	671.7	419.8	415.6 - 431.6
N28 Avon, Somerset and Wiltshire CN	5,004	552.8	434.8	422.4 - 445.8	5,018	522.8	380.8	369.5 - 392.1	10,014	542.8	407.7	399.4 - 415.0
N29 3 Counties CN	2,893	501.3	391.8	378.6 - 405.7	2,658	563.2	343.6	329.5 - 357.5	5,548	517.6	367.8	357.3 - 377.8
N30 Thames Valley CN	4,817	427.3	436.4	399.1 - 411.8	5,080	435.4	362.8	352.5 - 373.3	9,893	431.3	381.8	374.0 - 389.3
N31 Central South Coast CN	5,347	550.8	423.4	411.7 - 435.6	5,312	535.3	376.8	365.0 - 388.8	10,559	542.8	399.8	391.6 - 407.8
N32 Surrey, West Sussex and Hampshire CN	3,908	424.3	353.7	343.8 - 365.5	3,197	432.1	320.4	308.5 - 322.2	6,190	428.1	337.0	329.3 - 345.7
N33 Sussex CN	2,743	522.7	391.7	347.6 - 375.8	2,907	510.9	322.0	308.8 - 335.3	5,650	516.5	341.8	332.2 - 351.6
N34 Kent and Medway CN	3,701	471.8	391.9	369.5 - 384.4	3,858	484.8	340.7	329.2 - 352.2	7,558	480.2	361.3	352.0 - 369.8
N35 Greater Midlands CN	4,832	501.3	398.4	393.9 - 405.9	4,890	493.2	341.8	335.3 - 356.5	9,712	496.8	370.7	362.8 - 378.8
N36 North of England CN	7,738	501.2	434.5	414.9 - 434.1	7,898	514.8	371.4	352.7 - 390.8	15,619	522.8	387.9	381.8 - 408.4
N37 Anglia CN	4,502	502.9	382.9	372.8 - 391.4	4,313	473.2	337.8	328.1 - 348.8	12,829	487.4	360.8	350.0 - 365.9
N38 Essex CN	3,962	477.7	377.2	365.3 - 389.1	3,873	459.8	339.4	318.5 - 340.4	7,835	467.6	363.3	345.2 - 367.4
England	**110,833**	**496.8**	**437.8**	**400.8 - 410.2**	**113,348**	**487.3**	**362.3**	**360.1 - 364.3**	**230,873**	**470.9**	**390.0**	**378.8 - 391.8**
North of SoCland CN	3,160	501.8	398.3	385.6 - 403.1	3,456	534.5	382.8	350.9 - 376.7	6,616	518.4	378.1	368.7 - 395.5
South East of Scotland CN	3,537	522.8	421.4	417.0 - 445.8	3,192	519.7	367.3	376.2 - 400.2	7,229	520.8	409.3	399.0 - 419.0
West of Scotland CN	6,049	526.1	432.8	442.0 - 465.1	6,693	519.6	383.4	373.8 - 393.3	12,542	522.7	416.5	413.0 - 428.1
Scotland	**12,746**	**510.1**	**420.1**	**422.8 - 437.8**	**13,340**	**521.6**	**379.3**	**373.0 - 386.8**	**26,386**	**520.3**	**404.7**	**399.8 - 409.8**
South Wales CN	2,859	506.8	451.2	431.8 - 473.8	2,650	504.8	382.3	373.9 - 430.4	4,152	510.6	421.7	409.3 - 435.1
South West Wales CN	2,517	586.1	416.3	398.7 - 432.8	2,428	545.4	381.8	351.1 - 382.3	4,945	570.1	391.8	379.8 - 402.8
South East Wales CN	3,853	576.1	472.4	458.8 - 489.3	3,818	489.2	372.3	359.3 - 385.6	7,559	534.5	422.8	413.0 - 432.6
Wales	**9,229**	**566.4**	**440.8**	**440.0 - 460.3**	**8,897**	**523.1**	**379.1**	**369.4 - 392.8**	**16,657**	**542.3**	**412.4**	**405.0 - 419.9**
Northern Ireland	3,417	434.7	382.3	370.1 - 406.4	3,837	481.0	337.4	328.3 - 348.6	6,864	452.3	364.8	356.2 - 373.4
United Kingdom	144,392	493.6	411.8	409.0 - 413.8	144,164	493.5	363.4	363.0 - 367.2	288,556	493.7	383.8	382.3 - 385.3

Trends in one year cancer survival, England, 1985-2004

NCIN national cancer intelligence network

C15: Oesophagus

Males

Years of diagnosis	Number in Cohort	Cumulative Deaths	% Crude Survival	% Relative Survival	95% Confidence Interval
1985-1989	11,722	9,010	23.1	24.4	23.6 - 25.2
1990-1994	13,421	9,946	25.9	27.4	26.6 - 28.2
1995-1999	14,779	10,404	29.6	31.1	30.3 - 31.9
2000-2004	17,155	10,959	36.1	37.8	37.2 - 38.7

Estimated change per 5-yr cohort (%): 4.5 1.7 - 7.2
P value: 0.020

Notes on Trend

Estimated 4.5% change per 5 year cohort gives an estimated increase of 0.86% per annum.

Females

Years of diagnosis	Number in Cohort	Cumulative Deaths	% Crude Survival	% Relative Survival	95% Confidence Interval
1985-1989	8,253	6,262	24.1	25.5	24.5 - 26.5
1990-1994	9,202	6,792	25.2	27.7	26.7 - 28.7
1995-1999	9,522	6,989	26.6	28.2	27.2 - 29.2
2000-2004	9,724	6,647	31.6	33.8	32.6 - 34.8

Estimated change per 5-yr cohort (%): 2.5 -0.6 - 5.5
P value: 0.073

Notes on Trend

The regression test shows no statistically significant linear change in relative survival over all four time periods. There may, however, still be significant differences between one time period and another but these have not been specifically tested.*

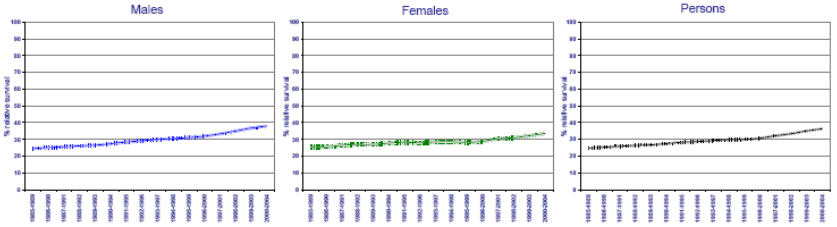
Persons

Years of diagnosis	Number in Cohort	Cumulative Deaths	% Crude Survival	% Relative Survival	95% Confidence Interval
1985-1989	19,975	15,272	23.5	24.9	24.2 - 25.6
1990-1994	22,623	16,738	26.0	27.5	26.9 - 28.1
1995-1999	24,301	17,393	28.4	30.0	29.4 - 30.6
2000-2004	26,879	17,606	34.5	36.4	35.8 - 37.0

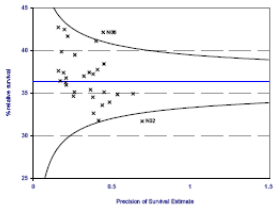
Estimated change per 5-yr cohort (%): 3.7 0.8 - 6.6
P value: 0.031

Notes on Trend

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



Cancer Network	Males: Number in Cohort	Males: Cumulative Deaths	Males: % Crude Survival	Males: % Relative Survival	Males: 95% Confidence Interval	Females: Number in Cohort	Females: Cumulative Deaths	Females: % Crude Survival	Females: % Relative Survival	Females: 95% Confidence Interval	Persons: Number in Cohort	Persons: Cumulative Deaths	Persons: % Crude Survival	Persons: % Relative Survival
N01 Lancashire and South Cumbria CN	594	398	33.0	34.6	30.5 - 38.6	359	260	27.8	29.3	24.3 - 34.3	953	658	31.0	32.0
N02 Greater Manchester and Cheshire CN	1,115	751	31.6	33.2	30.2 - 36.1	659	415	27.2	28.8	24.8 - 32.7	1,663	1,076	30.1	31.2
N03 Merseyside and Cheshire CN	728	468	35.7	37.4	33.7 - 41.1	432	305	29.4	31.2	26.5 - 35.3	1,160	773	33.4	35.1
N06 Yorkshire CN	800	491	42.4	44.4	40.7 - 48.0	459	262	35.8	38.0	33.1 - 42.9	1,259	753	40.0	42.1
N07 Humber and Yorkshire Coast CN	410	271	35.2	36.8	31.8 - 41.7	340	170	39.2	38.8	34.6 - 37.0	750	441	33.0	34.0
N08 North Trent CN	638	428	33.0	34.7	30.8 - 38.7	384	287	25.3	26.8	22.1 - 31.5	1,022	715	30.1	31.8
N09 Birmingham CN	583	382	34.5	36.0	31.9 - 40.1	381	264	30.7	32.2	27.3 - 37.2	964	646	33.0	34.2
N12 Aston CN	306	183	40.0	42.8	36.9 - 48.7	191	127	33.5	35.1	28.0 - 42.3	499	310	37.9	39.0
N13 Mid Trent CN	550	405	37.7	39.5	35.5 - 43.5	362	249	31.2	33.6	27.8 - 38.3	1,012	654	35.4	37.2
N14 Derbyshire CN	237	154	34.7	36.4	30.6 - 42.2	136	84	36.2	40.3	31.5 - 49.1	433	278	35.6	37.8
N15 Leics, Northants and Rutland CN	552	341	38.3	40.2	35.9 - 44.6	304	215	29.3	31.1	25.5 - 36.8	856	556	35.0	37.0
N20 Mount Vernon CN	348	221	36.5	38.2	32.8 - 43.7	170	113	33.5	35.6	27.9 - 43.2	518	334	35.5	37.4
N21 West London CN	404	233	42.3	44.2	39.1 - 49.3	356	196	34.5	36.7	29.7 - 43.7	760	429	39.7	41.7
N22 North London CN	290	198	33.8	35.0	29.8 - 41.2	163	105	35.0	36.2	30.1 - 46.2	453	303	34.4	36.0
N23 North East London CN	370	245	33.8	35.3	30.2 - 40.5	189	119	37.0	38.6	32.1 - 47.1	559	364	34.0	36.0
N24 South East London CN	350	225	35.3	36.8	32.0 - 43.4	204	142	30.4	32.4	25.5 - 39.2	554	365	34.1	35.8
N25 South West London CN	353	209	40.8	42.8	37.4 - 48.4	212	129	39.2	41.7	34.6 - 48.9	565	338	40.2	42.0
N26 Peninsula CN	786	510	34.0	35.9	33.3 - 38.5	481	330	28.4	30.5	28.2 - 35.0	1,247	840	31.9	33.9
N27 Devon CN	278	151	45.7	48.1	41.8 - 54.4	181	125	32.0	34.3	26.9 - 41.7	459	274	40.3	42.2
N28 Avon, Somerset and Wiltshire CN	706	434	38.5	40.6	36.8 - 44.5	410	245	39.5	42.0	38.8 - 47.1	1,116	682	38.9	41.1
N29 3 Counties CN	347	227	34.6	36.5	31.1 - 41.9	202	134	33.7	35.8	28.7 - 42.9	549	361	34.2	36.2
N30 Thames Valley CN	733	452	38.3	40.3	36.5 - 44.0	381	250	30.7	32.8	27.4 - 37.7	1,094	702	35.8	37.7
N31 Central South Coast CN	810	502	38.0	40.1	36.5 - 43.8	412	277	32.8	35.0	30.1 - 39.9	1,222	779	36.3	38.4
N32 Surrey, West Sussex and Hampshire CN	471	277	41.2	43.4	38.7 - 48.2	361	182	39.3	41.7	36.2 - 38.3	732	459	37.3	39.5
N33 Sussex CN	431	277	35.7	37.9	32.9 - 42.7	266	191	26.2	28.6	24.6 - 36.8	697	468	32.9	35.1
N34 Kent and Medway CN	535	410	34.0	35.9	31.9 - 39.8	319	197	36.2	40.5	34.8 - 46.3	854	606	35.4	37.6
N35 Greater Midlands CN	592	466	32.7	34.3	30.5 - 38.0	414	287	30.7	32.4	27.6 - 37.2	1,106	753	31.9	33.6
N36 North of England CN	960	608	34.8	36.5	33.3 - 39.6	640	443	30.9	33.3	28.6 - 38.4	1,600	1,051	33.3	34.9
N37 Anglia CN	647	576	32.0	33.7	30.4 - 37.1	538	353	34.4	36.6	32.2 - 41.0	1,185	929	32.9	34.8
N38 Essex CN	533	400	35.6	38.7	34.7 - 43.0	395	239	37.0	39.6	33.3 - 33.9	948	639	33.5	35.4
England	**17,155**	**10,959**	**36.1**	**37.8**	**37.2 - 38.7**	**9,724**	**6,647**	**31.6**	**33.8**	**32.6 - 34.8**	**26,879**	**17,606**	**34.5**	**36.4**



Networks above 99.8% control limit:
N06 Yorkshire

Networks below 99.8% control limit:
N02 Greater Manchester and South Cumbria

NCRI National Cancer Research Institute

Using information to improve quality & choice

Trends in 1 year survival: England 1985-2004

NCIN national cancer intelligence network

C00-C97 excl. C44: All malignant neoplasms (excl. non-melanoma skin cancer)

Males

Years of diagnosis	Number in Cohort	Cumulative Deaths	% Crude Survival	% Relative Survival	95% Confidence Interval
1985-1989	414,345	221,027	46.7	49.3	49.1 - 49.5
1990-1994	445,012	219,778	50.6	53.6	53.4 - 53.7
1995-1999	468,127	206,001	56.0	58.9	58.7 - 59.0
2000-2004	504,166	196,766	61.0	64.1	63.9 - 64.2

Estimated change per 5-yr cohort (%):	5.0	4.3 - 5.7
P value:	0.001	

Notes on Trend

Estimated 5.0% change per 5 year cohort gives an estimated increase of 1% per annum.

Females

Number in Cohort	Cumulative Deaths	% Crude Survival	% Relative Survival	95% Confidence Interval
423,315	172,317	59.3	61.4	61.3 - 61.6
453,522	172,691	61.9	64.2	64.0 - 64.3
475,530	168,215	64.6	67.0	66.8 - 67.1
498,802	164,881	66.9	69.4	69.3 - 69.5

Estimated change per 5-yr cohort (%):	2.7	2.4 - 2.9
P value:	<0.001	

Notes on Trend

Estimated 2.7% change per 5 year cohort gives an estimated increase of 0.53% per annum.

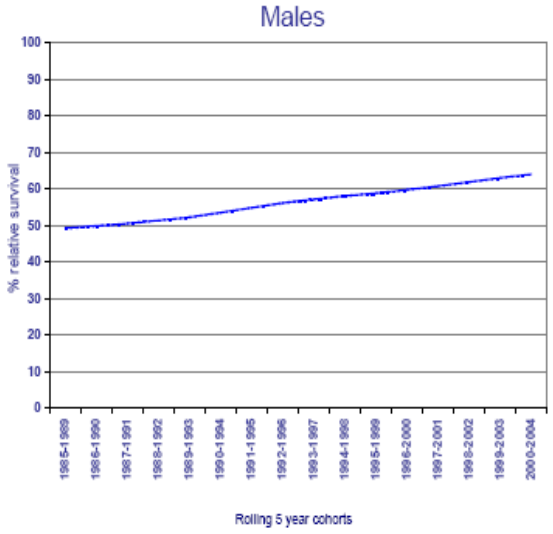
Persons

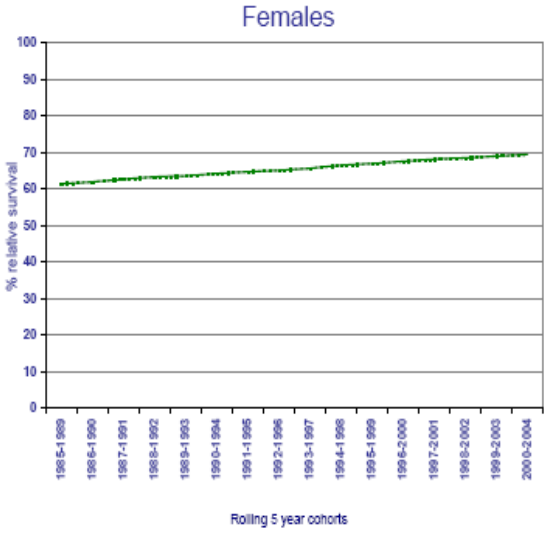
Number in Cohort	Cumulative Deaths	% Crude Survival	% Relative Survival	95% Confidence Interval
837,660	393,344	53.0	55.5	55.4 - 55.6
898,534	392,469	56.3	59.0	58.9 - 59.1
943,657	374,216	60.3	63.0	62.9 - 63.1
1,002,968	361,647	63.9	66.7	66.6 - 66.8

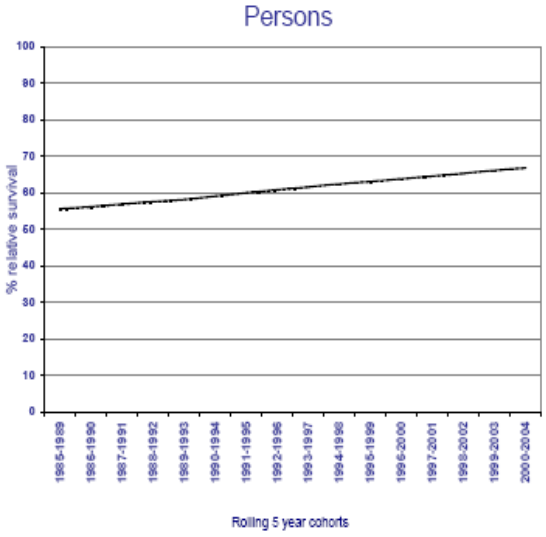
Estimated change per 5-yr cohort (%):	3.8	3.5 - 4.1
P value:	<0.001	

Notes on Trend

Estimated 3.8% change per 5 year cohort gives an estimated increase of 0.76% per annum.



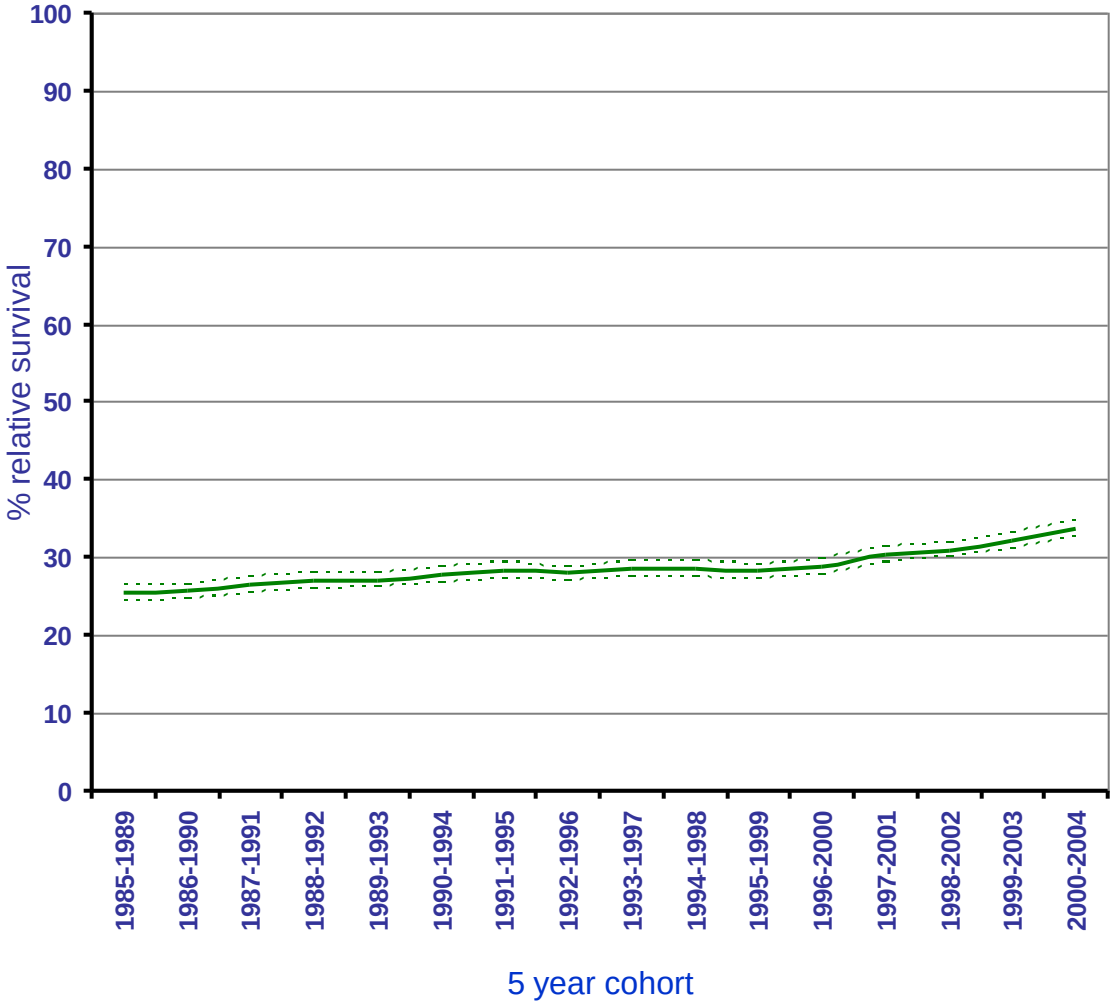




- - - - Dotted lines show 95% confidence limits

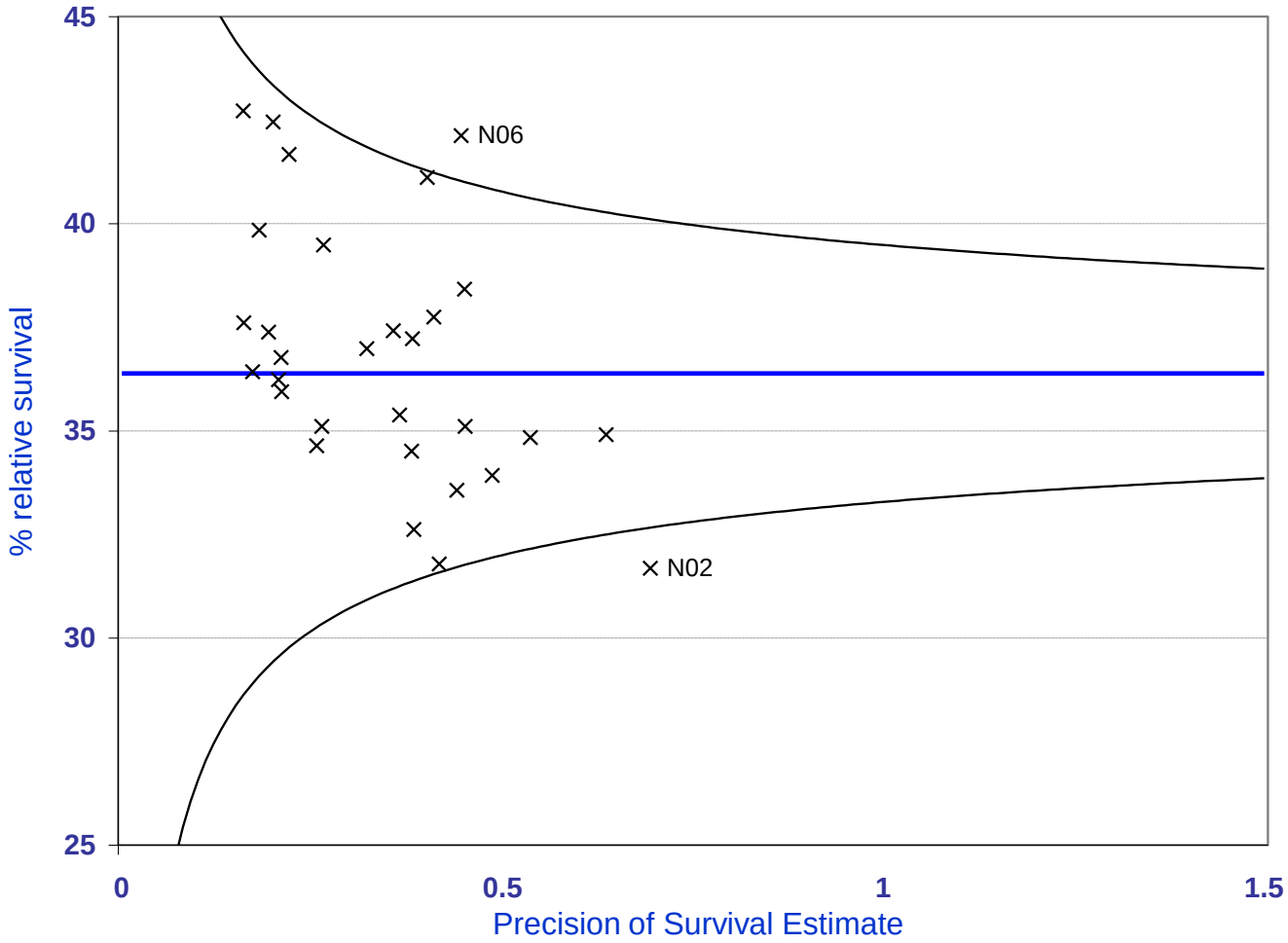
Version 1.1 (England) 25/09/2008
Data Sources: UK Association of Cancer Registries - CIS accessed 2008 - (data extraction July 2007)
Death registrations from ONS. Deaths up to and including 31/12/2005

C15: Oesophagus
Trends in 1yr survival



Using information to improve quality & choice

C15: Oesophagus 2005 by Cancer Network



Using information to improve quality & choice

Lung Cancer Incidence by deprivation

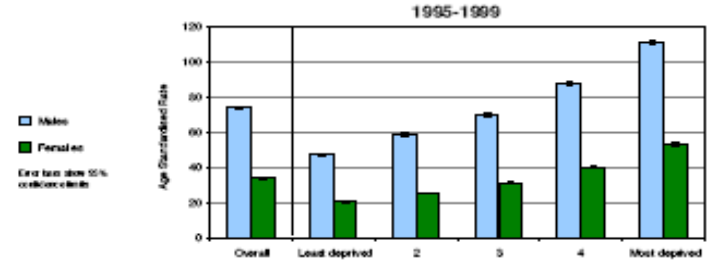
NCIN national cancer intelligence network

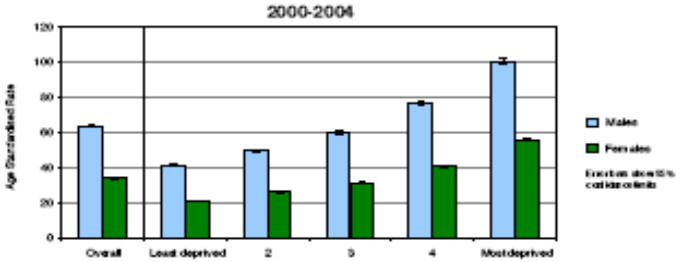
NCIN national cancer intelligence network

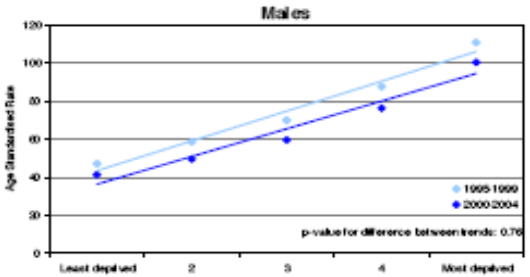
Cancer incidence by deprivation quintile, England, 1995 - 2004

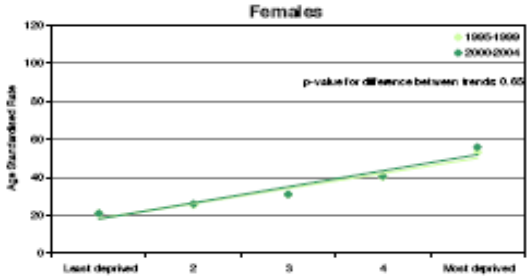
C33-C34: Trachea, bronchus and lung

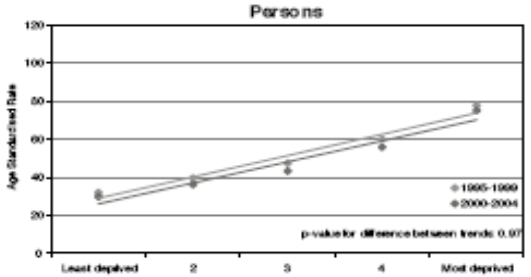
Deprivation Quintile	Males: Number of cases	Crude Rate	ASR	95% Confidence Interval	ASR Ratio	Excess Cases	Females: Number of cases	Crude Rate	ASR	95% Confidence Interval	ASR Ratio	Excess Cases	Persons: Number of cases	Crude Rate	ASR	95% Confidence Interval	ASR Ratio	Excess Cases
1995-1999																		
Least deprived	12,794	54.9	47.1	46.3 - 47.9	1.0	0	7,175	29.5	20.8	20.4 - 21.3	1.0	0	19,969	41.9	32.0	31.5 - 32.4	1.0	0
2	17,063	72.6	58.7	57.8 - 59.5	1.2	3,355	9,397	38.1	25.3	24.8 - 25.9	1.2	1,670	26,460	54.9	39.6	39.1 - 40.0	1.2	5,025
3	20,225	85.8	70.1	69.1 - 71.0	1.5	6,623	11,578	46.5	31.0	30.4 - 31.5	1.5	3,786	31,803	65.6	47.5	47.0 - 48.0	1.5	10,409
4	23,753	99.8	87.7	86.6 - 88.8	1.9	11,005	14,122	55.9	40.1	39.5 - 40.8	1.9	6,786	37,915	77.2	60.1	59.5 - 60.7	1.9	17,790
Most deprived	27,443	112.7	110.9	109.6 - 112.2	2.4	15,786	16,733	65.2	58.1	52.3 - 58.9	2.5	10,166	44,176	88.3	77.8	77.1 - 78.6	2.4	25,951
Overall	101,308	85.4	74.1	73.8 - 74.5			59,005	47.3	33.8	33.5 - 34.0			160,313	65.9	50.9	50.7 - 51.2		
2000-2004																		
Least deprived	12,544	51.2	41.3	40.6 - 42.1	1.0	0	7,691	30.7	20.9	20.5 - 21.4	1.0	0	20,235	40.9	29.8	29.4 - 30.3	1.0	0
2	15,920	65.4	49.6	48.8 - 50.4	1.2	2,647	10,290	40.8	26.0	25.5 - 26.5	1.2	2,003	26,210	52.9	36.3	35.8 - 36.7	1.2	4,650
3	18,525	76.3	59.7	58.8 - 60.5	1.4	5,693	12,140	47.8	31.1	30.5 - 31.7	1.5	3,972	30,665	61.7	43.3	42.9 - 43.8	1.5	9,666
4	21,525	88.3	76.3	75.3 - 77.3	1.8	9,866	14,719	57.6	40.7	40.0 - 41.3	1.9	7,143	36,244	72.6	55.8	55.3 - 56.4	1.9	17,008
Most deprived	24,351	99.2	100.6	99.4 - 101.9	2.4	14,345	17,024	66.4	55.9	55.0 - 56.7	2.7	10,647	41,375	82.5	75.2	74.5 - 75.9	2.5	24,993
Overall	92,865	76.1	63.7	63.3 - 64.1			61,864	48.8	34.0	33.8 - 34.3			154,729	62.2	46.9	46.6 - 47.1		











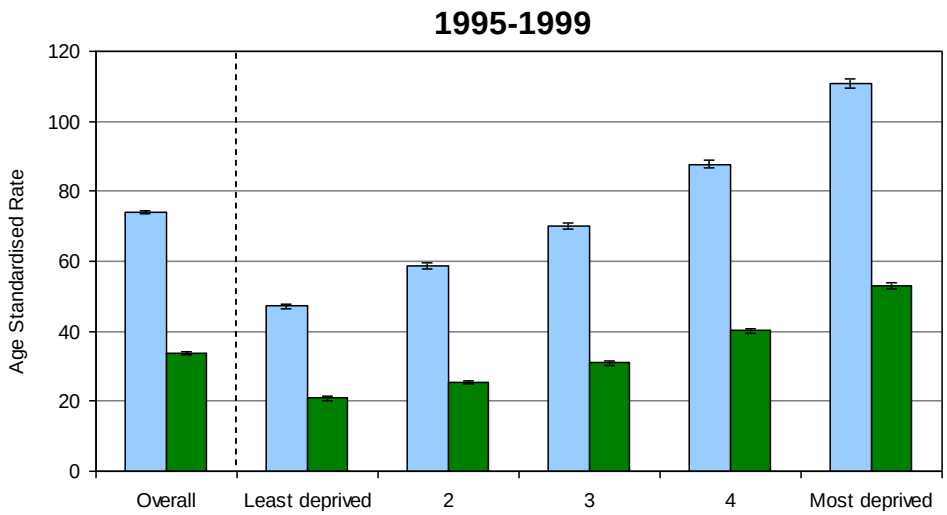
Cohort	Males: Est. Deprivation Gap (Difference in ASR)	95% Confidence Interval	Modelled % Change	P-value for Trend
1995-1999	65.5	46.0 - 85.1	155%	0.002
2000-2004	62.4	37.5 - 87.4	162%	0.004

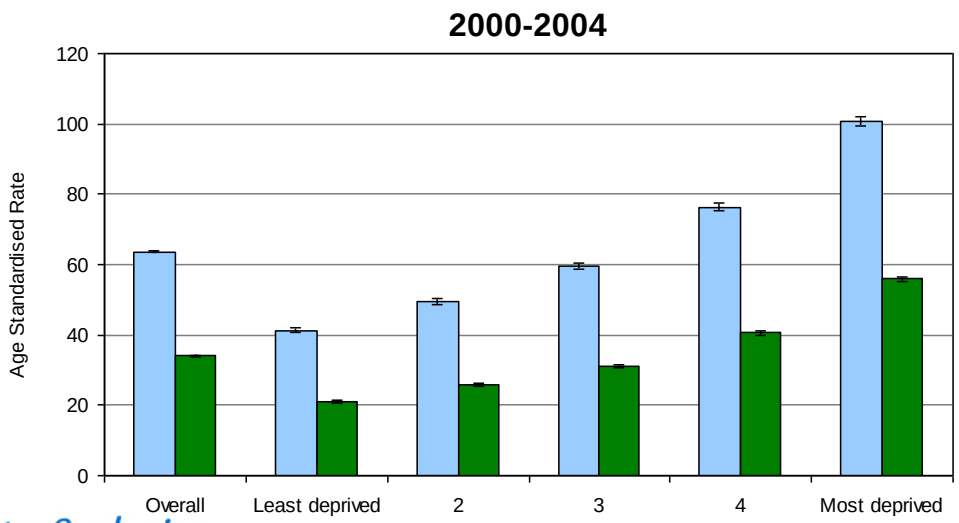
Cohort	Females: Est. Deprivation Gap (Difference in ASR)	95% Confidence Interval	Modelled % Change	P-value for Trend
1995-1999	33.8	20.7 - 46.9	196%	0.004
2000-2004	36.8	20.3 - 53.3	222%	0.008

Cohort	Persons: Est. Deprivation Gap (Difference in ASR)	95% Confidence Interval	Modelled % Change	P-value for Trend
1995-1999	47.4	31.1 - 63.7	171%	0.003
2000-2004	47.7	27.2 - 68.3	198%	0.005

CRI
tional
ncer
search
titute

C33-C34: Lung cancer 2000 - 2004 by deprivation





Using information to improve quality & choice

Expert analyses

NCIN national cancer intelligence network

- Cancer eAtlas: - launched July 2008 www.ncin.org.uk/eatlas
  - Large and varied interest
  - International recognition
- Reports on:
  - UK incidence & mortality
  - One year survival
  - Deprivation
  - Prevalence
  - Ethnicity
  - Surgical treatment rates ('early' 2010)
- Microsites

Detailed "Microsites"

NCIN national cancer intelligence network

Back

1 of 1 100% Find | Next Select a format Export

Major LGIT Surgical Procedures: Any Diagnosis
Procedures by Network of Trust and Consultant (Provider Based Analysis)

HES Cancer Data Extract 9 (1997/08 - 2006/07)

		1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	2005-2006	2006-2007	Grand Total
East Kent Hospitals NHS Trust	⊞ Colectomy	162	178	163	174	158	144	145	148	142	139	1,553
	⊞ Excision of Rectum	98	137	106	117	84	136	121	142	123	146	1,210
	Trust Total	260	315	269	291	242	280	266	290	265	285	2,763
Maidstone and Tunbridge Wells NHS Trust	⊞ Colectomy	83	101	100	98	89	99	96	79	107	111	963
	⊞ Excision of Rectum	59	99	71	77	63	72	72	72	72	86	743
	Trust Total	142	200	171	175	152	171	168	151	179	197	1,706
Medway NHS Foundation Trust	⊞ Colectomy	49	63	50	71	63	66	74	67	59	48	610
	⊞ Excision of Rectum	49	48	49	39	49	52	49	60	63	63	521
	Trust Total	98	111	99	110	112	118	123	127	122	111	1,131
Dartford and Gravesham NHS Trust	⊞ Colectomy	33	42	42	49	47	43	52	46	47	48	449
	⊞ Excision of Rectum	37	16	24	37	36	27	35	38	41	49	340
	Trust Total	70	58	66	86	83	70	87	84	88	97	789
Grand Total		570	684	605	662	589	639	644	652	654	690	6,389

..with detailed “drill through”

NCIN national cancer intelligence network

Back

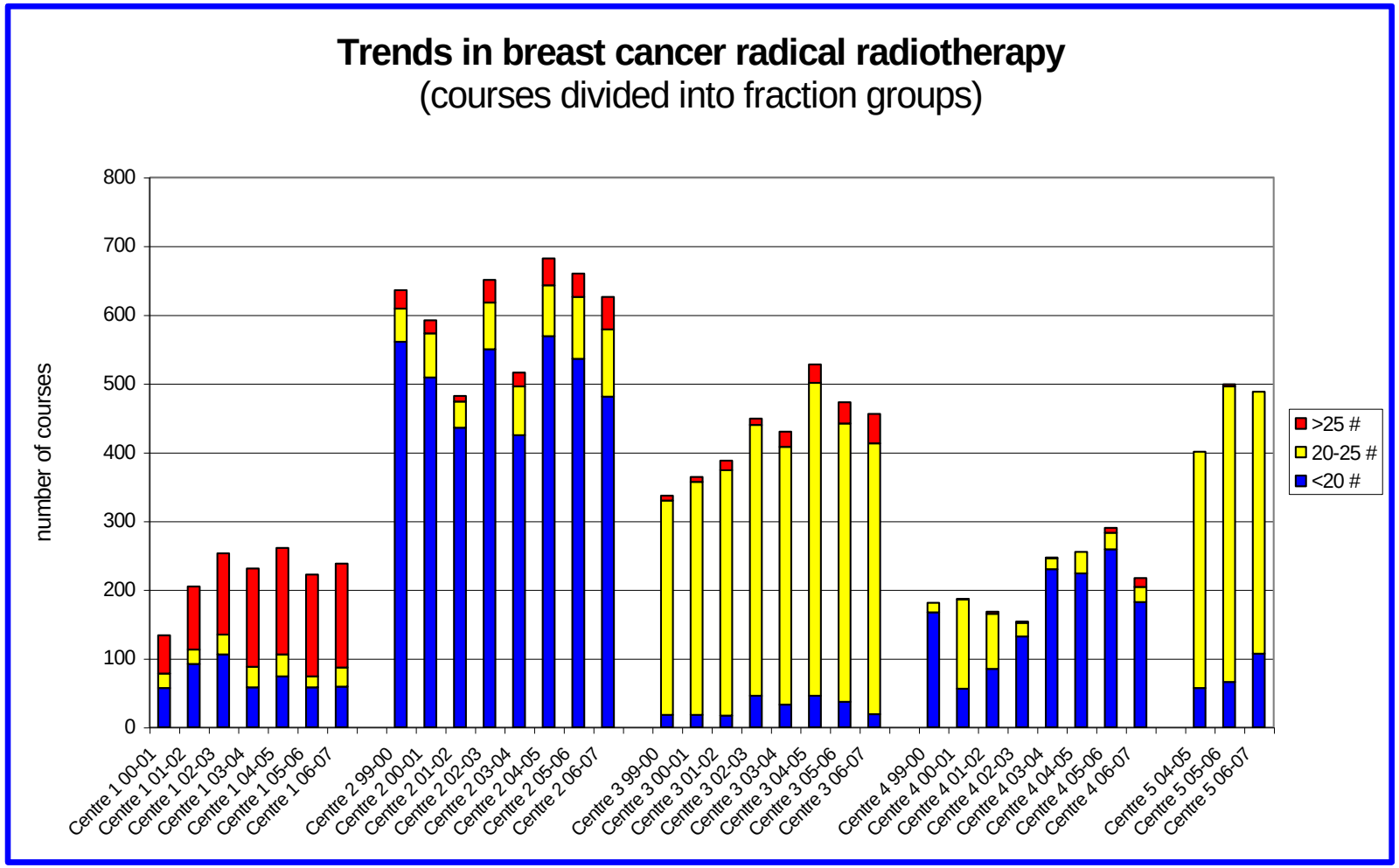
1 of 1 100% Find | Next Select a format Export

Major LGIT Surgical Procedures: Any Diagnosis
Procedures by Network of Trust and Consultant (Provider Based Analysis)

HES Cancer Data Extract 9 (1997/08 - 2006/07)

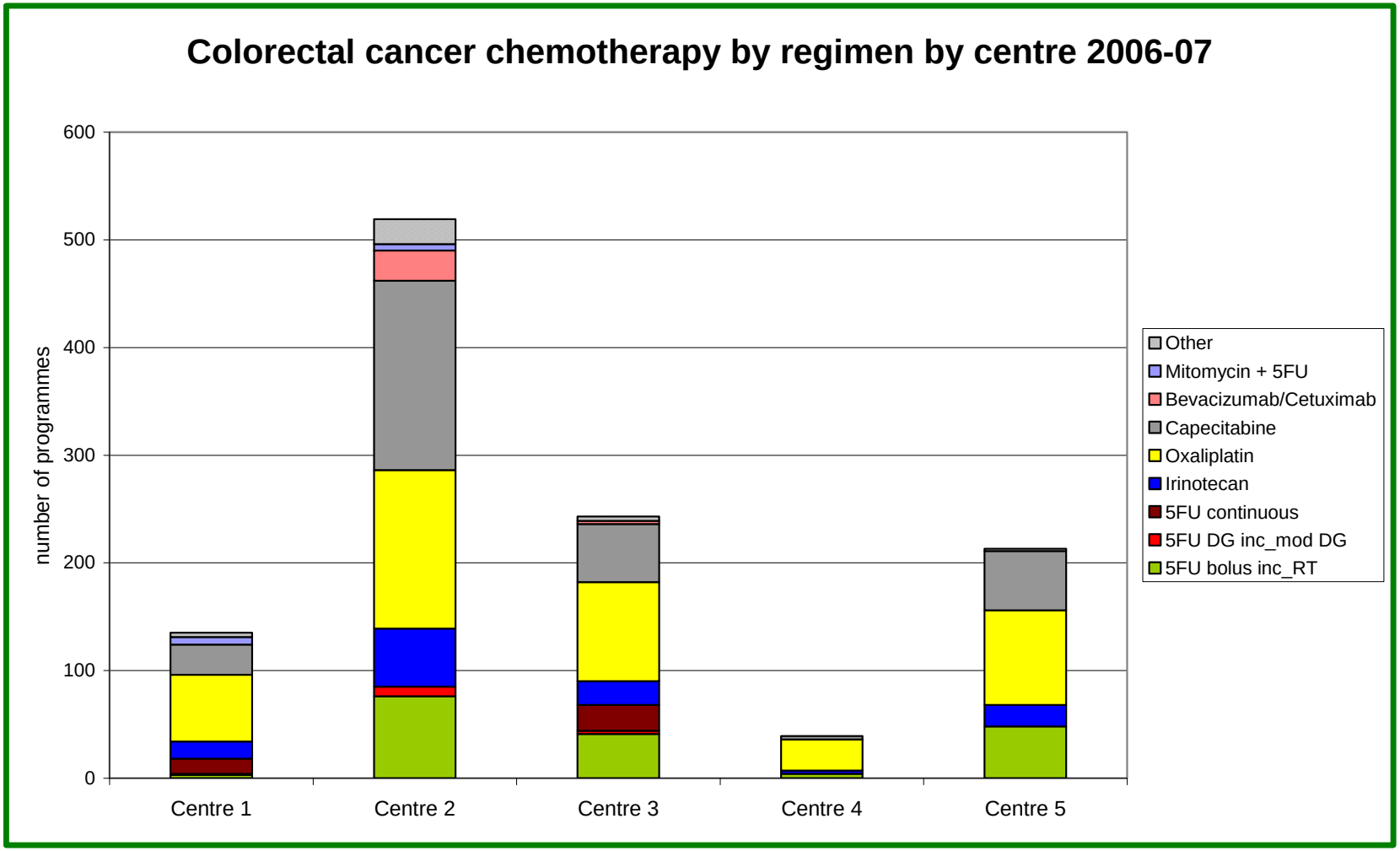
			1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	2005-2006	2006-2007	Grand Total
East Kent Hospitals NHS Trust	⊞ Colectomy		162	178	163	174	158	144	145	148	142	139	1,553
	⊞ Excision of Rectum		98	137	106	117	84	136	121	142	123	146	1,210
	Trust Total		260	315	269	291	242	280	266	290	265	285	2,763
Maidstone and Tunbridge Wells NHS Trust	⊟ Colectomy	[illegible]	37	28	37	30	34	32	40	33	57	50	378
		[illegible]	10	23	15	23	22	19	14	11	20	22	179
		[illegible]	10	8	10	17	10	18	21	8	15	9	126
		[illegible]	12	13	13	7	4	7	5	3	2		66
		[illegible]	8	13	8	5	7	9	3	8	2		63
		[illegible]	4	11	9	3	6	4	5	4	3	3	52
		[illegible]		3	7	10	2	2	2		2		28
		[illegible]					3	7	4	8	3		25
		[illegible]										21	21
		[illegible]	2	2	1	3	1	1	2	4		1	17
		[illegible]									3	2	5
		[illegible]										1	1
		[illegible]										1	1
		[illegible]										1	1
	⊞ Excision of Rectum		59	99	71	77	63	72	72	72	72	86	743
	Trust Total		142	200	171	175	152	171	168	151	179	197	1,706
Medway NHS Foundation Trust	⊞ Colectomy		49	63	50	71	63	66	74	67	59	48	610
	⊞ Excision of Rectum		49	48	49	39	49	52	49	60	63	63	521
	Trust Total		98	111	99	110	112	118	123	127	122	111	1,131

Links with treatment data



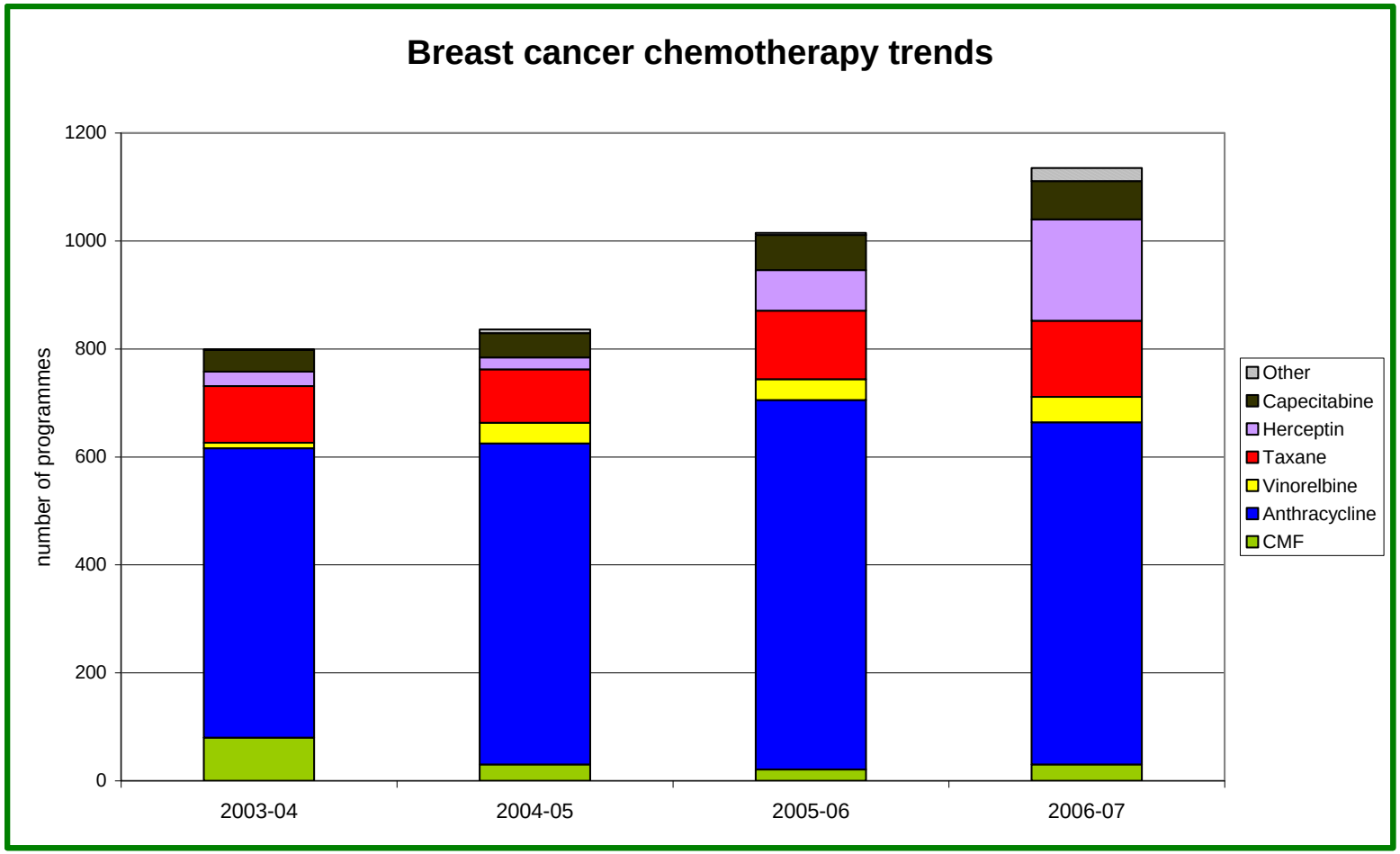
Source: Monica Roche: Oxford Cancer Intelligence Unit

Links with treatment data



Source: Monica Roche: Oxford Cancer Intelligence Unit

Links with treatment data



Source: Monica Roche: Oxford Cancer Intelligence Unit

Drivers for change

NCIN national cancer intelligence network

- Cancer Peer Review ('*Clinical Lines of Enquiry*')
- CQC 'Annual Health Check'
- Peer pressure
- Voluntary sector pressure
- Cancer Reform Strategy
- DH 'Quality agenda' (*Quality Accounts*)
- Commissioning
- National Guidelines
- Patient choice

Drivers for change

NCIN national cancer intelligence network

- Cancer Peer Review
- CQC 'Annual Health Check'
- Peer pressure
- Voluntary sector pressure
- Cancer Reform Strategy
- DH 'Quality agenda'
- Commissioning
- National Guidelines
- Patient choice

+ Data

Clinical Outcomes Group

NCRI National Cancer Research Institute

Using information to improve quality & choice

Clinical Outcomes Group: Main purposes

NCIN national cancer intelligence network

- To provide a strategic link between the NCIN & the National Cancer Action Team
- To oversee & support the development of Peer Review
- To link between those producing data and those responsible for improving the quality of care
- To identify what data is required to support the strategic development of cancer services
- To support' intelligent commissioning'
- To promote the use of outcome data in service improvement
- To support the implementation of NICE guidance
- To support the development of care pathways

Clinical Outcomes Group: Members

- NCIN
- National Cancer Action Team
- Peer Review Team
- DH Cancer Policy Team
- DH Quality Team
- SHA rep
- Specialist commissioner
- Network Director
- NHS Improvement
- NHS Information Centre
- NICE
- CQC

NCIN

national cancer intelligence network

Using information to improve quality & choice

www.ncin.org.uk

NCRI
National Cancer Research Institute