

# Informatics in the new NHS – NCIN & PHE 6 months on

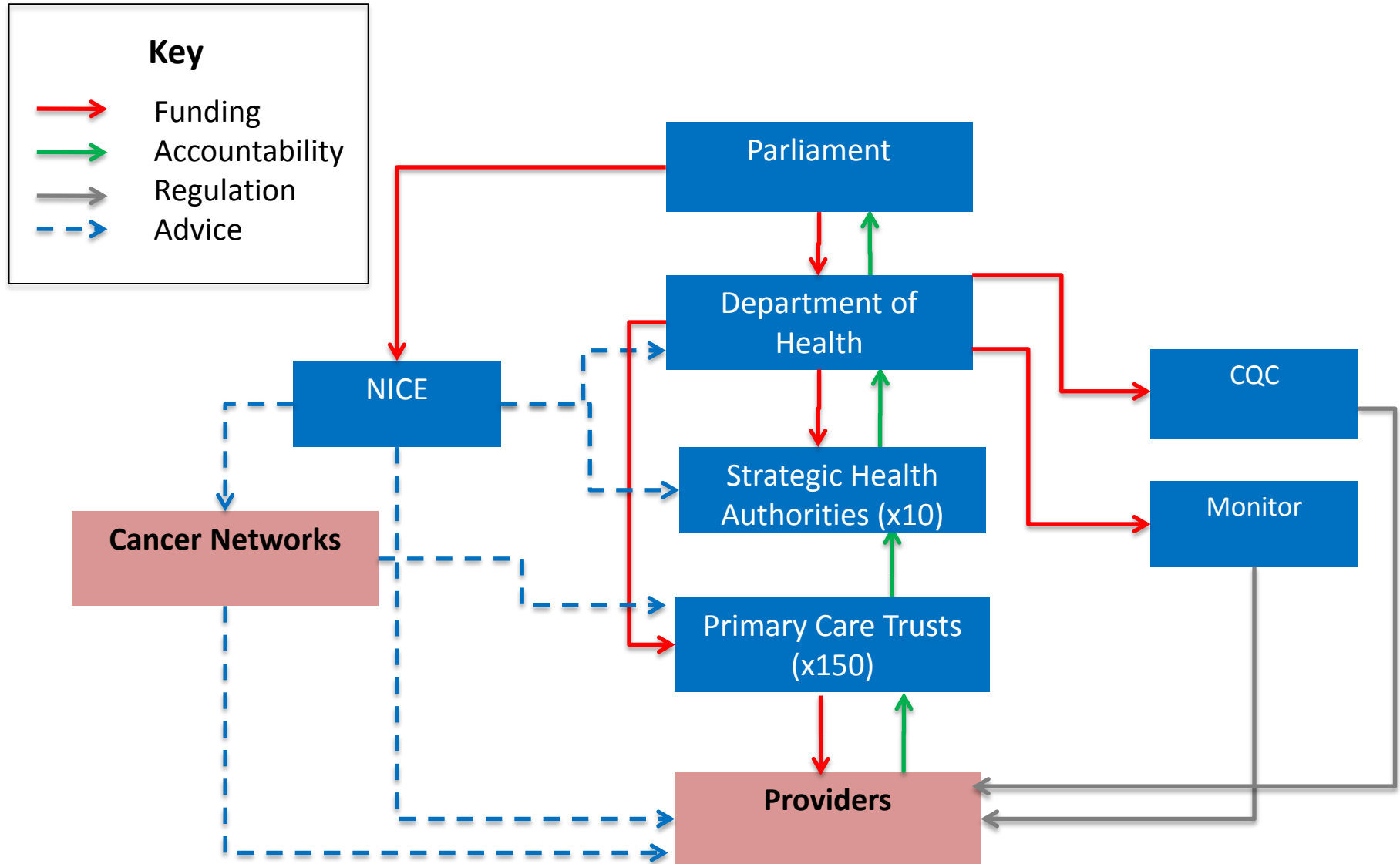
**Nicky Coombes**

SSCRG Programme Manager

National Cancer Intelligence Network

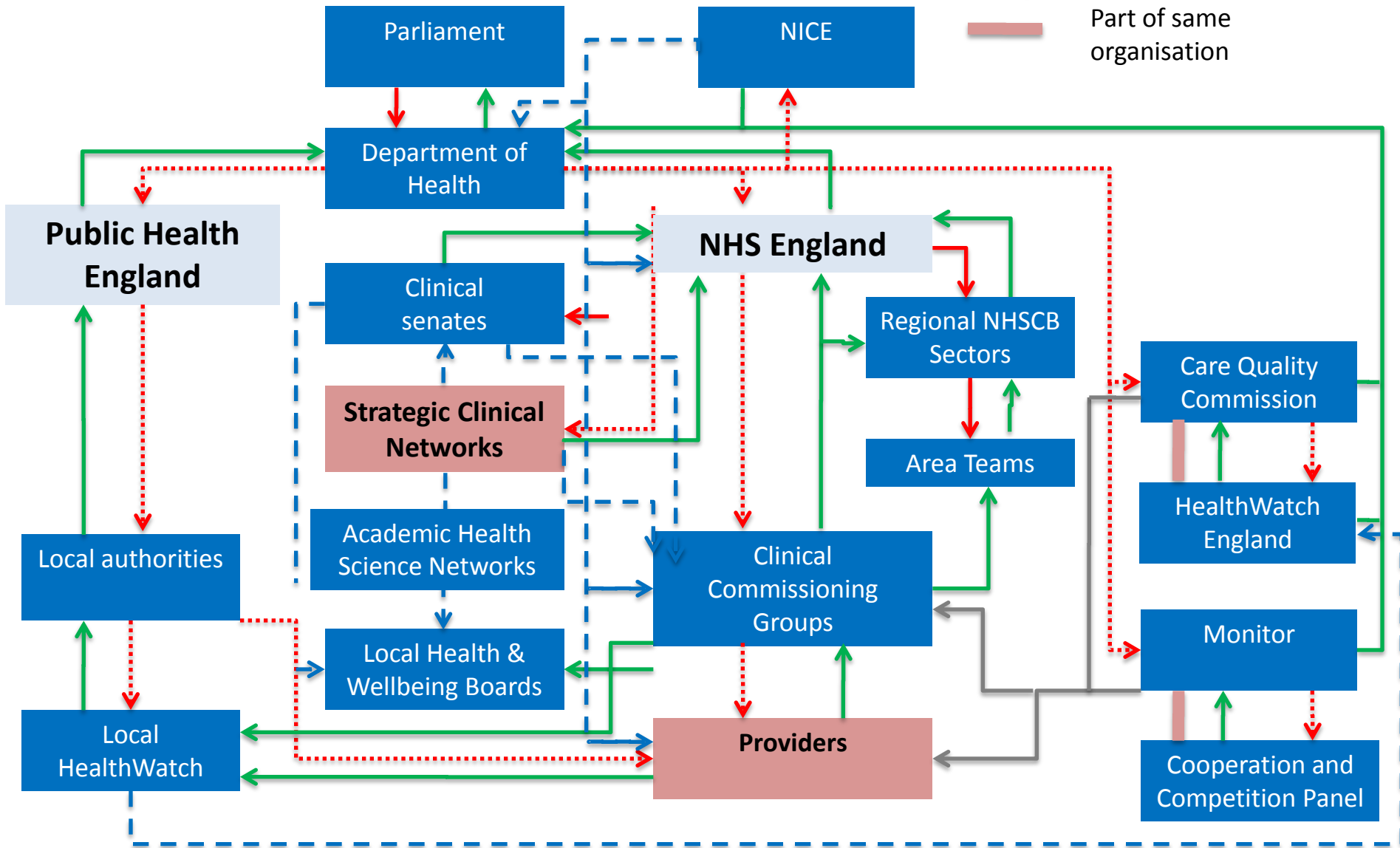
- PHE & NCIN
- Data Drivers
- NCIN – current plans

# What was then...



# As of 1.4.13.....

## Key



Data, data  
everywhere!



# Re-structuring – Cancer Registration (England)

- Previously 8 regional cancer registries in England
  - Registration and analysis
- Now, Cancer Registration split from data analysis – single National Cancer Registration Service (NCRS), using a single database (ENCORE), and shared protocols

# Re-structuring – NCIN, NCRS and Cancer information

- PHE Knowledge Directorate
  - NCRS
  - NCIN
  - KITs - Analytical workforce from 8 registries moved into regional Knowledge and Intelligence Teams
    - SSCRG Lead Area Work Programmes
    - Local contribution
  - HINs

# Data Drivers

- Government
  - A spotlight on the role of data
- Commissioning
  - NHS Outcomes Framework
- Regulation
  - New regulation framework
- The 'public', patients and families



# Informatics in the 'New World' - providers

- Four main sources/providers
  - Health & Social Care Information Service (HSCIC)
    - Audits
  - ONS
  - PHE (Civil Service)
    - Health Intelligence Networks e.g. NCIN, ChiMat, Vascular, Renal, Diabetes, Mental Health & **NCIN**
    - Eight Knowledge & Intelligence Teams (KITs)
    - National Disease (cancer) Registration Service
  - NHS England Business Intelligence Teams (ATS/CSU)
- Information Intermediaries
  - Dr Foster, charities,

# Informatics in the new world – data users

**National Cancer  
Director, patients  
& public**

**DH, SCNs, CSUs, CCGs,  
CQC Specialised  
Commissioners, Local  
government, providers**

NCIN, PHE, KITs, NHS Business Units,  
HSCIC,  
CSUs, Charities, Dr Foster,

# NHS OF 2013/14 Dashboard

## 1 Preventing people from dying prematurely

Overarching Indicators			
	Latest data	Indicator value	Unit
1a.i Potential Years of Life Lost (PYLL) from causes considered amenable to health care - Adults	2011	M - 2,157 F - 1,700	per 100,000 population
1a.ii - Children and young people	2011	M - 616 F - 531	per 100,000 population
1b.i Life expectancy at 75 - Males	2010	11.3	period expectations of life - years
1b.ii Life expectancy at 75 - Females	2010	13.1	period expectations of life - years
Improvement areas			
1.1 Under 75 mortality rate from cardiovascular disease	2011	58.0	per 100,000 population
1.2 Under 75 mortality rate from respiratory disease	2011	23.5	per 100,000 population
1.3 Under 75 mortality rate from liver disease	2011	14.9	per 100,000 population
1.4 Under 75 mortality rate from cancer	2011	107	per 100,000 population
1.4.i One-year survival from colorectal cancer *	2006-2010_11	74.4	%
1.4.ii Five-year survival from colorectal cancer *	2006-2010_11	55.3	%
1.4.iii One-year survival from breast cancer *	2006-2010_11	95.5	% female
1.4.iv Five-year survival from breast cancer *	2006-2010_11	84.3	% female
1.4.v One-year survival from lung cancer *	2006-2010_11	31.6	%
1.4.vi Five-year survival from lung cancer *	2006-2010_11	9.8	%
1.5 Excess under 75 mortality rate in adults with serious mental illness	2010/11	921	absolute gap per 100,000 population
1.6.i Infant mortality	2011	4.2	per 1,000 births
1.6.ii Neonatal mortality and stillbirths	2011	8.2	per 1,000 births
1.6.iii Five-year survival from all cancers in children	Indicator to be developed		
1.7 Excess under 60 mortality rate in adults with a learning disability	Indicator to be developed		

## 2 Enhancing quality of life for people with long-term conditions

Overarching Indicators			
	Latest data	Indicator value	Unit
2 Health-related quality of life for people with long-term conditions	Jul12-Mar13	0.75	avg EQ-5D score
Improvement areas			
2.1 Proportion of people feeling supported to manage their condition	Jul12-Mar13	69.3	%
2.2 Employment of people with long-term conditions	Jan-Mar13	11.8	% gap
2.3.i Unplanned hospitalisation for chronic ambulatory care sensitive conditions (all ages)	2011/12	801	per 100,000 population
2.3.ii Unplanned hospitalisation for asthma, diabetes and epilepsy in under 15s	2011/12	321	per 100,000 population
2.4 Health-related quality of life for carers	Jul12-Mar13	0.8	avg EQ-5D score
2.5 Employment of people with mental illness	Jan-Mar13	39.0	% gap
2.6.i Estimated diagnosis rate for people with dementia	2011/12	48.0	%
2.6.ii A measure of the effectiveness of post-diagnosis care in sustaining independence and improving quality of life	Indicator to be developed		

## 3 Helping people to recover from episodic conditions

Overarching Indicators	
3a Emergency admissions for acute conditions that should not usually require hospital admission (all ages)	
3b Emergency readmissions within 30 days of discharge from hospital	
Improvement areas	
3.1.i Total health gain as assessed by patients for elective procedures - Hip replacement	
3.1.ii - Knee replacement	
3.1.iii - Groin hernia	
3.1.iv - Varicose veins	
3.1.v - Psychological therapies	
3.2 Emergency admissions for children with lower respiratory tract infections	
3.3 An indicator on recovery from injuries and trauma	
3.4 Proportion of stroke patients reporting an improvement in activity/lifestyle on the Modified Rankin Scale at 6 months	
3.5.i Proportion of patients with a fragility fracture recovering to their previous levels of mobility at 30 days	
3.5.ii Proportion of patients with a fragility fracture recovering to their previous levels of mobility at 120 days	
3.6.i Proportion of older people (65 and over) who were still at home 31 days after discharge from hospital into rehabilitation services	
3.6.ii Proportion offered rehabilitation following discharge from acute or community hospital	

## NHS Outcomes

\* Data displayed are for 2012/13 indicators as data for 2013/14 is not available

200X indicates calendar year  
200X/00X indicates financial year

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# HSCIC Indicator Portal

## hscic Health & Social Care Information Centre

Website only Website with data

### Find data

Home > Find data

Tools

- Casemix
- Hospital Statistics
- Indicator
- Indicators
- Monitor

### hscic Health & Social Care Information Centre

## CCG Indicator 1.9 (NHS OF 1.4)

### Under 75 mortality from cancer

**Statistic** Directly age and sex standardised mortality rate (DSR) per 100,000, 95% confidence intervals (CI)

**Period** 2009 - 2012 (calendar years)

**Level of coverage** England

**Breakdown** All registered patients in England (National)

**Released** September 2013

**Source** GP registered population counts from NHAIS (Exeter), the Primary Care Mortality Database (PCMD) and ONS mid-year England population estimates

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

# Clinical Commissioning Group Outcomes Indicator Set

## 2013/14 CCGOIS

- under 75 mortality rate from cancer
- 1 and 5 year survival from all cancers
- 1 and 5 year survival from breast, lung & colorectal cancers

## 2014/15 potential additional indicators for cancer

- cancers diagnosed via emergency routes
- cancer stage at diagnosis
- cancers detected at stage 1 or 2
- lung cancer specific indicators
- breast cancer specific indicators

# Commissioning Support Units

NHS CSUs are designed to offer “an efficient, locally-sensitive and customer-focused service to CCGs”

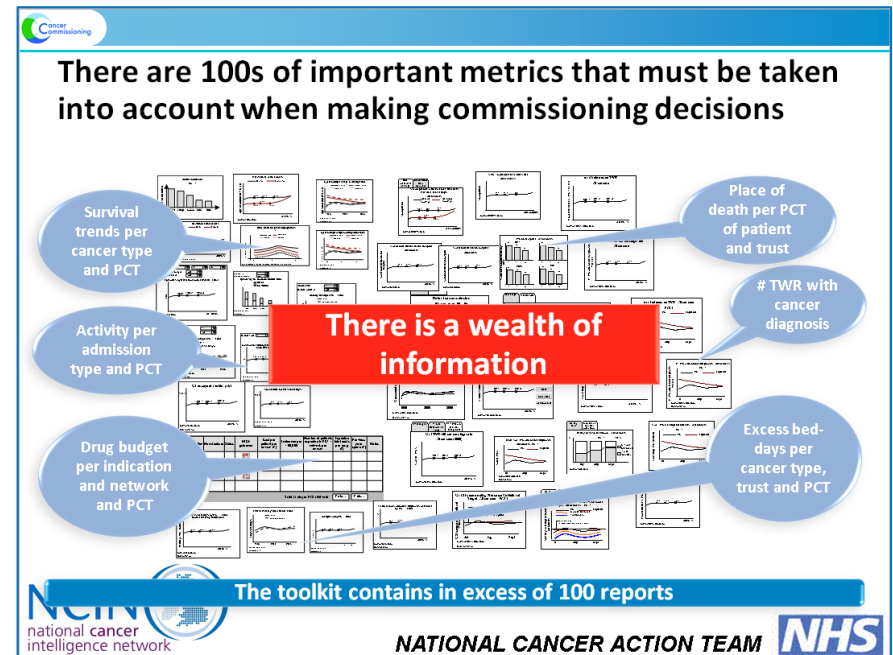
Services offered include:

- **Business intelligence**
- Healthcare (clinical) procurement
- **Business support services**
- Communications and engagement services

**18 CSUs, hosted initially by NHS England until CCGs procure their choice of future commissioning support**

# NCIN Vision/Ambition

- Understand needs of all NHS England partners
- Support NHS & PH Outcomes Frameworks
- Support local & specialised commissioning
- Support service provider needs
- Support local teams too






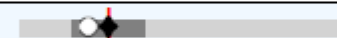


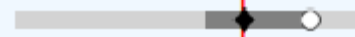
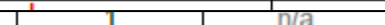




Section	#	Indicator	No. of patients/cases or value	Percentage or rate			England	Trust rate or percentage compared to England			Source	Period
				Trust	Lower 95% Confidence Limit	Upper 95% Confidence Limit		Lowest	Range	Highest		
Site	OG1	Number of NOGCA patients	31	n/a	n/a	n/a	10,614	0	0-301	301	NOGCA	2011-2012
	G2	Number of newly diagnosed patients per year	90	n/a	n/a	n/a	11,677	13	13-199	199	NCOR	2010
Demographics	G3	Patients (from #G2) aged 70+	48	52 %	42 %	62 %	62 %	39 %	39-90	90 %	NCOR	2010
	G4	Patients (from #G2) with recorded ethnicity	90	100 %	96 %	100 %	96 %	82 %	82-100	100 %	NCOR	2010
	G5	Patients (from #G2) with recorded ethnicity which is not White-British	27	29 %	21 %	39 %	7 %	0 %	0-64	64 %	NCOR	2010
	G6	Patients (from #G2) who are Income Deprived (1)	n/a	13 %	n/a	n/a	15 %	7 %	7-33	33 %	NCOR	2010
	G7	Male patients (from #G2)	52	58 %	46 %	66 %	66 %	51 %	51-81	81 %	NCOR	2010
Specialist Team	G8	Peer review: Does the specialist team have full membership? (2)	IV	Yes	n/a	n/a	n/a	n/a	n/a	n/a	NCPR	2011/2012
	G9	Peer review: Proportion of peer review indicators met	IV	85 %	n/a	n/a	85 %	9 %	9-97	97 %	NCPR	2011/2012
	G10	Peer review: are there immediate risks? (3)	IV	No	n/a	n/a	n/a	n/a	n/a	n/a	NCPR	2011/2012
	G11	Peer review: are there serious concerns? (3)	IV	No	n/a	n/a	n/a	n/a	n/a	n/a	NCPR	2011/2012
	G12	CPEs: Patients surveyed and % reporting being given name of a CNS (4)	132	95 %	n/a	n/a	95 %	65 %	65-100	100 %	CPEs	2011/2012
Through put	G13	Number of urgent GP referrals for suspected cancer	1	n/a	n/a	n/a	109,357	0	0-2030	2030	CWT	2011/2012
	G14	Estimated proportion of tumours with emergency presentations [experimental]	n/a	2 %	0 %	8 %	23 %	2 %	2-86	86 %	HES	2011/2012
Waiting Time	G15	Urgent GP referrals for suspected cancer seen within 2 weeks	1	100 %	21 %	100 %	93 %	77 %	77-100	100 %	CWT	2013/14 Q1
	G16	Treatment within 62 days of urgent GP referral for suspected cancer	13	71 %	49 %	88 %	81 %	27 %	27-100	100 %	CWT	2013/14 Q1
	G17	Urgent GP referrals for suspected cancer diagnosed with cancer [experimental]	1	100 %	21 %	100 %	5 %	0 %	0-100	100 %	CWT	2011
	G18	Cases treated that are urgent GP referrals for suspected cancer [experimental]	80	31 %	25 %	37 %	36 %	8 %	8-82	82 %	CWT	2011/2012
	G19	First treatment began within 31 days of decision to treat	85	100 %	94 %	100 %	99 %	86 %	86-100	100 %	CWT	2013/14 Q1
Prostate	OG2	Number of new oesophageal cases managed per year	40	43 %	33 %	53 %	55 %	33 %	33-75	75 %	NCOR	2010
	OG3	Number of new stomach cases managed per year	53	57 %	47 %	67 %	45 %	24 %	24-67	67 %	NCOR	2010
	OG4	Oesophageal cancer confirmed histology	39	96 %	87 %	100 %	93 %	48 %	48-100	100 %	NCOR	2010
	OG5	Stomach cancer confirmed histology	50	94 %	85 %	98 %	91 %	66 %	66-100	100 %	NCOR	2010
	OG6	Number of O-G resections	11	14 %	8 %	24 %	18 %	0 %	0-66	66 %	NCOR	Jan-Sept 2010
	OG7	Patients who had a CT scan	200	99 %	97 %	100 %	91 %	71 %	71-99	99 %	NOGCA	2011-2012
	OG8	Patients with EUS investigation	34	64 %	51 %	77 %	62 %	30 %	30-100	100 %	NOGCA	2011-2012
	OG9	Patients with palliative treatment intent	80	74 %	66 %	82 %	47 %	32 %	32-74	74 %	NOGCA	2011-2012
	OG10	NCPR Network Board compliance	5A	100.0 %	n/a	n/a	n/a	0.0 %	n/a	100.0 %	NCPR	2010-2011
	OG11	NCPR NSG compliance	IV	73.0 %	n/a	n/a	n/a	0.0 %	n/a	100.0 %	NCPR	2010-2011
	OG12	30 day mortality (adjusted)	43	0.0 %	n/a	n/a	n/a	n/a	n/a	n/a	NOGCA	2011-2012
Outcome and (if case y)	OG13	90 day mortality (adjusted)	43	2.3 %	n/a	n/a	n/a	n/a	n/a	n/a	NOGCA	2011-2012
	OG14	Oesophageal cancer relative survival one year	n/a	42.5	36.4	46.6	n/a	36.8	36.8-46.6	46.6	UKCIS	2005-2009
	OG15	Stomach cancer relative survival one year	n/a	45.4	41.2	49.6	42.2	37.1	37.1-49.6	49.6	UKCIS	2005-2009
	OG16	Reoperation (adjusted)	43	13.2 %	n/a	n/a	n/a	n/a	n/a	n/a	NOGCA	2011-2012
	OG17	Anastomotic leak (adjusted)	43	4.4 %	n/a	n/a	n/a	n/a	n/a	n/a	NOGCA	2011-2012
	G20	Patients surveyed & % reporting always being treated with respect & dignity (5)	132	84 %	n/a	n/a	81 %	65 %	65-96	96 %	CPEs	2011/2012
	G21	Number of viable survey questions and % of those questions scoring red (6)	70	9 %	n/a	n/a	n/a	0 %	0-54	54 %	CPEs	2011/2012
For best (light blue)	G22	Number of viable survey questions and % of those questions scoring green (6)	70	59 %	n/a	n/a	n/a	4 %	4-100	100 %	CPEs	2011/2012



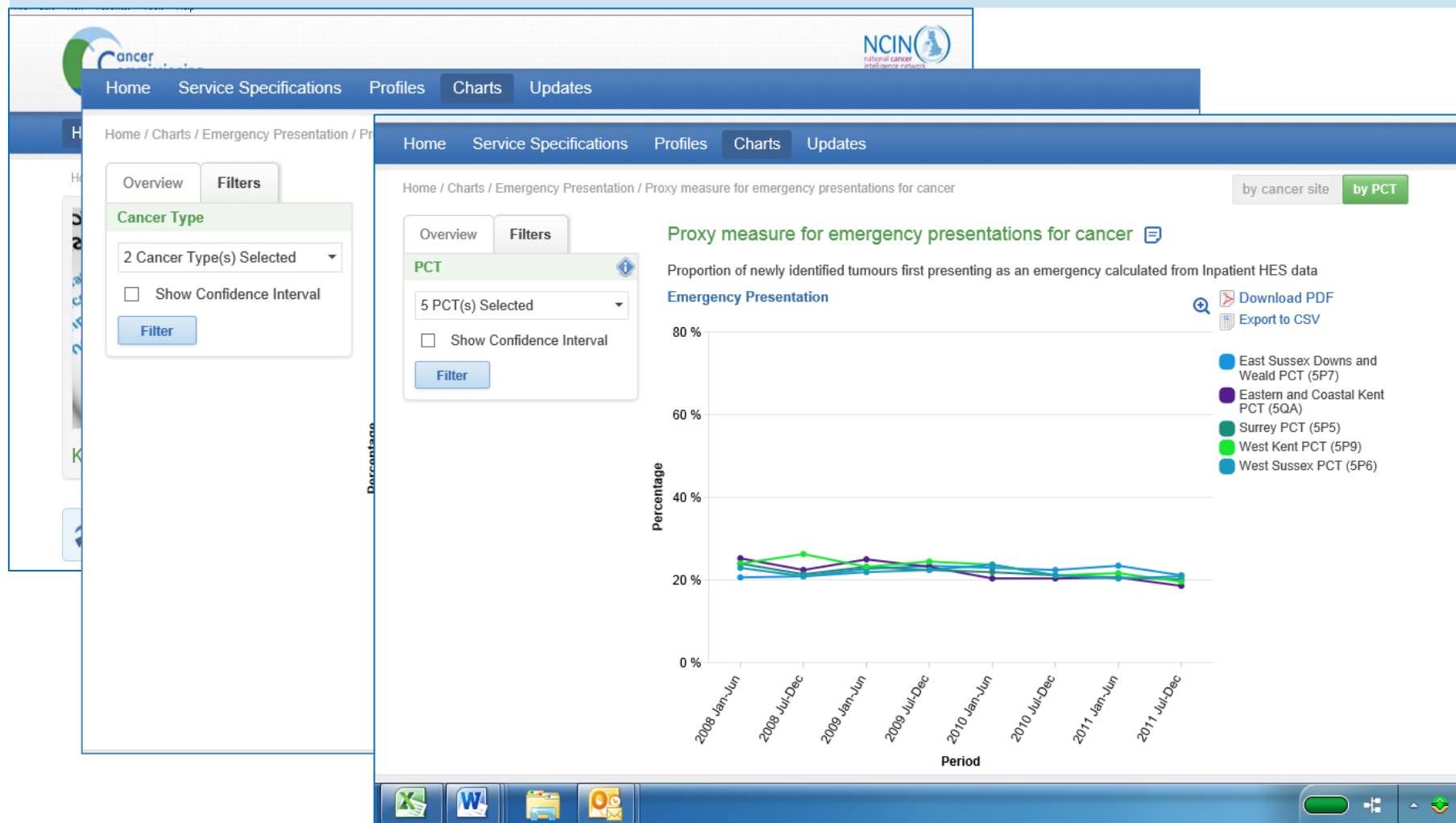
# NCIN O-G Service Profile

			Trust rate or percentage compared to England	
Section	#	Indicator	Range	Highest
Size	OG1	Number of NOGCA patients		301
	G2	Number of newly diagnosed patients per year		199
Demographics	G3	Patients (from #G2) aged 70+		90 %
	G4	Patients (from #G2) with recorded ethnicity		100 %
	G5	Patients (from #G2) with recorded ethnicity which is not White-Bri		64 %
	G6	Patients (from #G2) who are Income Deprived (1)		33 %
	G7	Male patients (from #G2)		81 %
Specialist Team	G8	Peer review: Does the specialist team have full membership? (2)	n/a	n/a
	G9	Peer review: Proportion of peer review indicators met		97 %
	G10	Peer review: are there immediate risks? (3)	n/a	n/a
	G11	Peer review: are there serious concerns? (3)	n/a	n/a
	G12	CPES: Patients surveyed and % reporting being given name of a		100 %
Out	G13	Number of urgent GP referrals for suspected cancer		n/a

# Service & other profiles

- Breast & Colorectal cancers - 2012
- Lung cancer (excluding highly specialised MDTs) – 2013
- September 2013: Sarcoma, Gynaecological, Head & Neck and Upper GI cancers
- PCTs/GPs/Radiotherapy

# Cancer Commissioning Toolkit



# NCIN 'work plan'

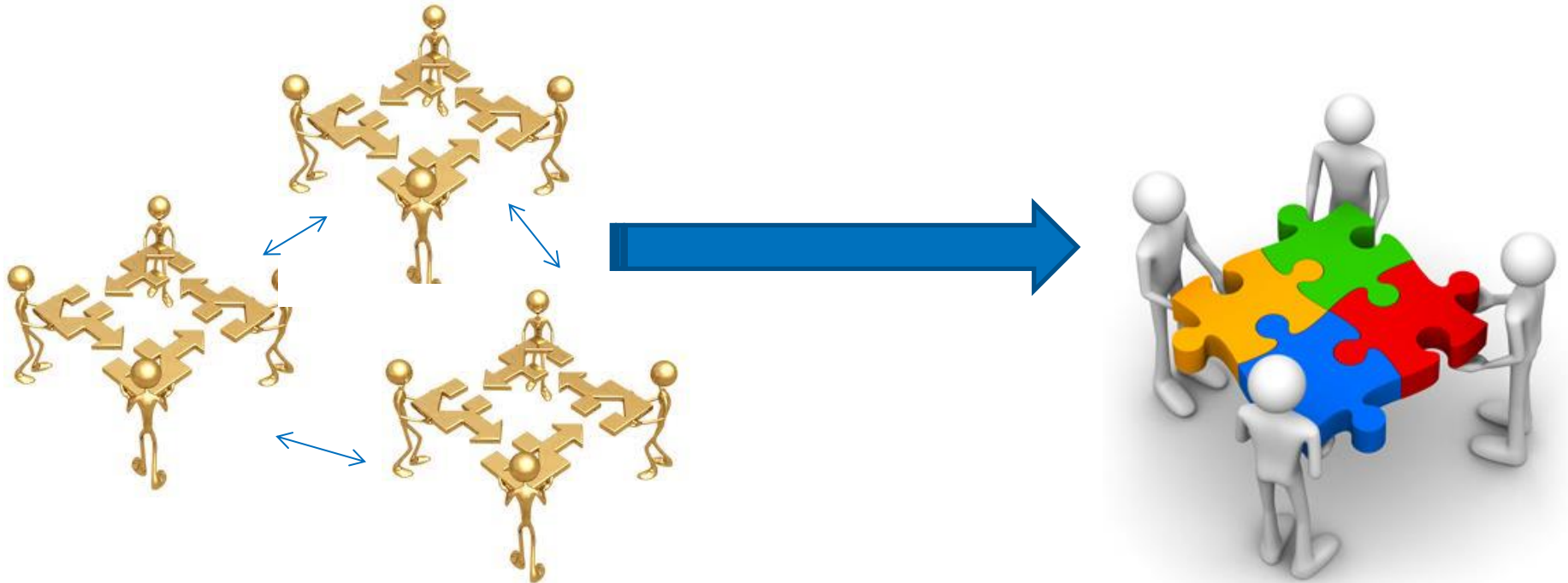
- Dialogue priority with all SCNs & NCD, etc
- Appointed NCIN 'NHS England' Liaison role
- Rapid review
  - What is needed?
  - How to present?
    - Static reports, interactive tools, etc?
  - How much interpretation?
- Timescales - outline spec by end 2013
  - Begin build 2014
- SCN needs v Cancer?

# Where Next?

- Understand needs of our users
- Define and develop a prototype 'output' tool/s
- Pilot with the SCNs & NCD
  - Appointed NCIN 'NHS England' Liaison role
- Maintain focus on data collection
- Specific focus on stage data
- Work through the organisation changes
- Re-establish previous relationships

# Where does the data and information come from?

**Your patients, your MDTs, your hospital!**





**Cancer Outcomes Conference**  
**9 & 10 June 2014**  
**Hilton Birmingham Metropole**

**[www.ncin.org.uk/conference](http://www.ncin.org.uk/conference)**



**ukiacr**  
United Kingdom and Ireland  
Association of  
Cancer Registries



**NCIN**  
national cancer  
intelligence network

*Using information to improve quality & choice*

**The Cancer Outcomes Conference 2014 will explore the ‘power of information’ both locally and nationally.**

**It will examine how UK-wide cancer registration data and other health related datasets are being exploited to reduce cancer incidence, mortality and morbidity.**

**To find out more, visit [www.ncin.org.uk/conference](http://www.ncin.org.uk/conference)**



**@NCIN\_PHE**  
**#NCIN2014**

# Nicky Coombes

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