Cancer Data from Secondary Care

Cancer Data Sources

- National Cancer Data Repository (Cancer Registration, Hospital Episode Statistics, plus….)
- Cancer Waiting Times
- National Cancer Audits (Lung, Colo-rectal, Head & neck, Upper GI, Prostate)
- Cancer Outcomes & Services Dataset (COSD)
- Radiotherapy Dataset (RTDS)
- Diagnostic Imaging Data Set (DIDS)
- Systemic Anti-Cancer Therapy Dataset (SACT)
- National Cancer Patient Experience Survey

Hospital Episode Statistics

- ## In-patient HES
  - Surgery
  - In patient episodes, diagnosis and duration (co-morbidities)
  - Route of admission
  - Some endoscopy
  - Limited chemotherapy and radiotherapy
- ## Out-patient HES
  - No significant access to date
  - Limited diagnostic coding
  - Number, site and speciality of OP attendances

Cancer Data Sources

- National Cancer Data Repository (Cancer Registration, Hospital Episode Statistics, plus….)
- Cancer Waiting Times
- National Cancer Audits (Lung, Colo-rectal, Head & neck, Upper GI, Prostate)
- Cancer Outcomes & Services Dataset (COSD)
- Radiotherapy Dataset (RTDS)
- Diagnostic Imaging Data Set (DIDS)
- Systemic Anti-Cancer Therapy Dataset (SACT)
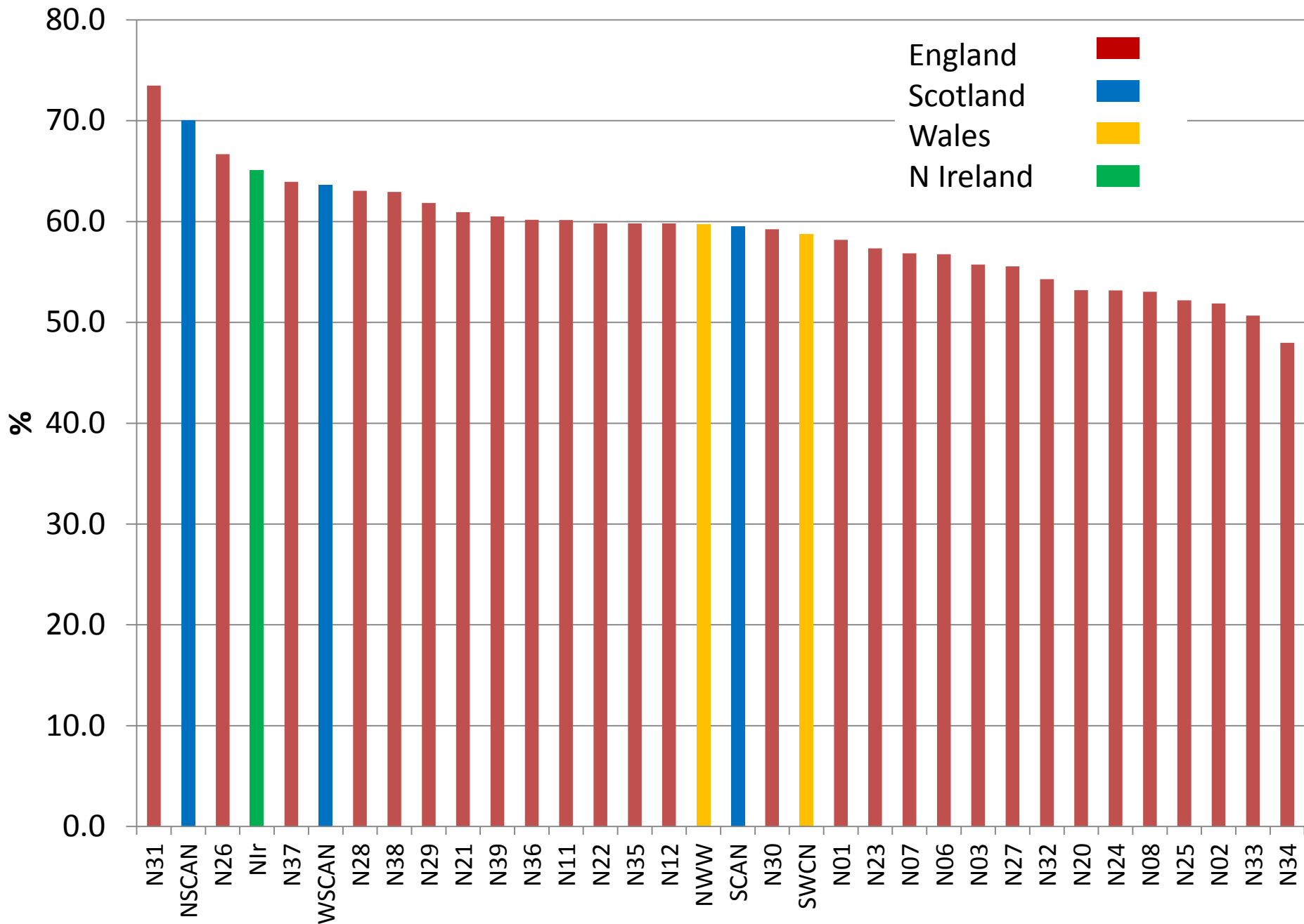- National Cancer Patient Experience Survey

National Lung Cancer Audit (England & Wales) Case ascertainment and data completeness
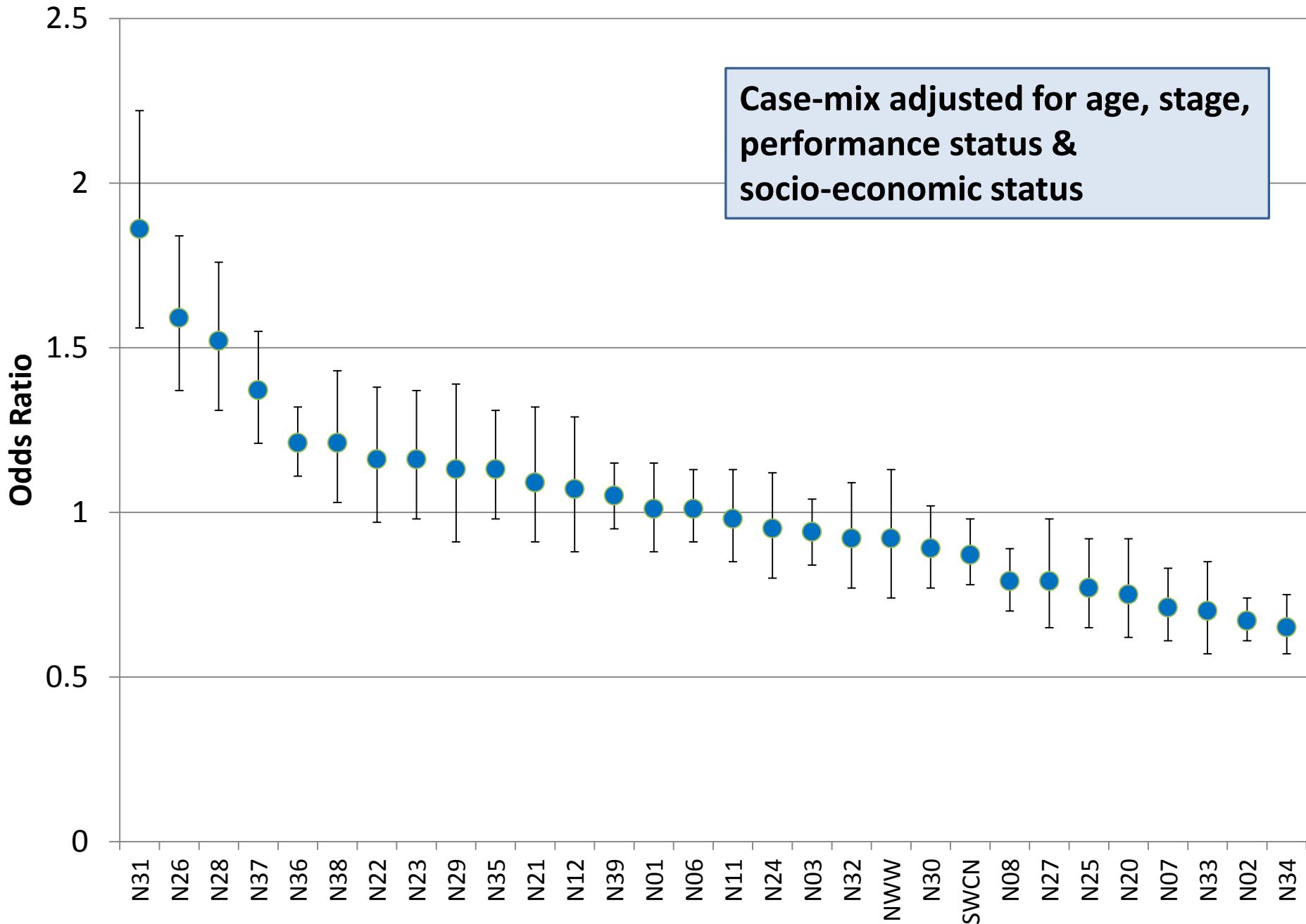
	2005*	2006	2007	2008	2009	2010	2011
% trusts submitting data	77	93	96.5	98.1	100	100	100
Number of cases	10,920	18,859	22,628	27,815	32,068	32,347	33,463
Case ascertainment (%)	40	66	75	92	~100	~100	~100
Data completeness (%)							
Stage	51	55	59	78	81.8	85.6	88.1
Performance status	66	77	63	87	79.4	84.7	88.5
Treatment	66	72	79	82	88.7	88.7	90.4

*England only

Active Treatment Rate (%)

%

Legend:
- England (red)
- Scotland (blue)
- Wales (yellow)
- N Ireland (green)

Categories (x-axis): N31, NSCAN, N26, NIr, N37, WSCAN, N28, N38, N29, N21, N39, N36, N11, N22, N35, N12, NWW, SCAN, N30, SWCN, N01, N23, N07, N06, N03, N27, N32, N20, N24, N08, N25, N02, N33, N34

Active Treatment Rate (England & Wales only)

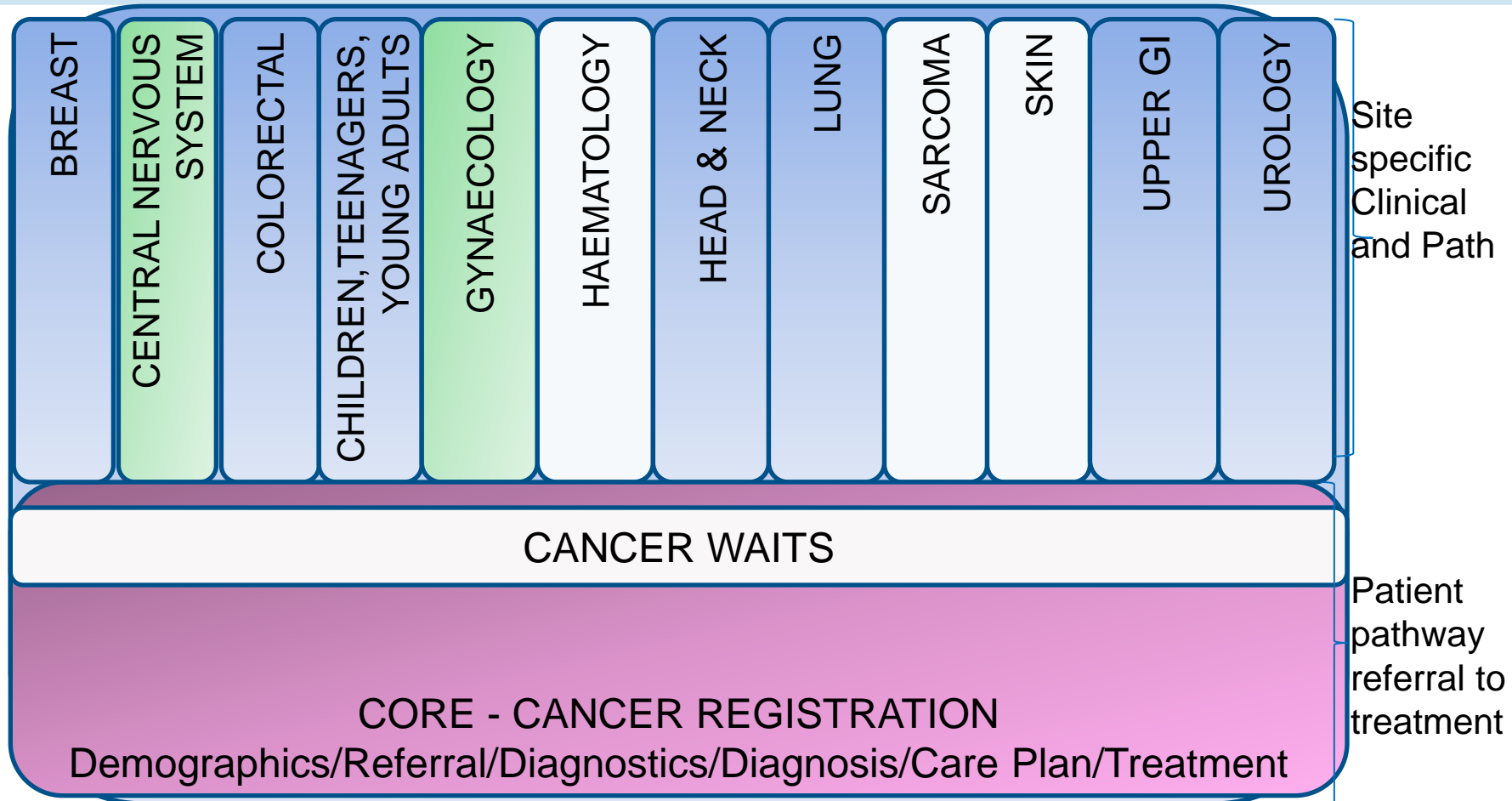Case-mix adjusted for age, stage, performance status & socio-economic status

Cancer Data Sources

- National Cancer Data Repository (Cancer Registration, Hospital Episode Statistics, plus….)
- Cancer Waiting Times
- National Cancer Audits (Lung, Colo-rectal, Head & neck, Upper GI, Prostate)
- Cancer Outcomes & Services Dataset (COSD)
- Radiotherapy Dataset (RTDS)
- Diagnostic Imaging Data Set (DIDS)
- Systemic Anti-Cancer Therapy Dataset (SACT)
- National Cancer Patient Experience Survey

Cancer Outcomes & Services Dataset

- **The new national cancer dataset**
- Cancer Outcomes and Services
- Aligned with patient management
- Proposed and supported by clinicians
- Incorporates previous cancer registration dataset
- Updated and aligned with other datasets
- Clarified definitions of data items, codes and values
- Specifies Provider submissions
- Compiled by registries from Providers and other sources

COSD - Structure

Cancer Data Sources

- National Cancer Data Repository (Cancer Registration, Hospital Episode Statistics, plus….)
- Cancer Waiting Times
- National Cancer Audits (Lung, Colo-rectal, Head & neck, Upper GI, Prostate)
- Cancer Outcomes & Services Dataset (COSD)
- Radiotherapy Dataset (RTDS)
- Diagnostic Imaging Data Set (DIDS)
- Systemic Anti-Cancer Therapy Dataset (SACT)
- National Cancer Patient Experience Survey

Cancer Data Sources

- National Cancer Data Repository (Cancer Registration, Hospital Episode Statistics, plus….)
- Cancer Waiting Times
- National Cancer Audits (Lung, Colo-rectal, Head & neck, Upper GI, Prostate)
- Cancer Outcomes & Services Dataset (COSD)
- Radiotherapy Dataset (RTDS)
- Diagnostic Imaging Data Set (DIDS)
- Systemic Anti-Cancer Therapy Dataset (SACT)
- National Cancer Patient Experience Survey

Cancer Data Sources

- National Cancer Data Repository (Cancer Registration, Hospital Episode Statistics, plus….)
- Cancer Waiting Times
- National Cancer Audits (Lung, Colo-rectal, Head & neck, Upper GI, Prostate)
- Cancer Outcomes & Services Dataset (COSD)
- Radiotherapy Dataset (RTDS)
- Diagnostic Imaging Data Set (DIDS)
- Systemic Anti-Cancer Therapy Dataset (SACT)
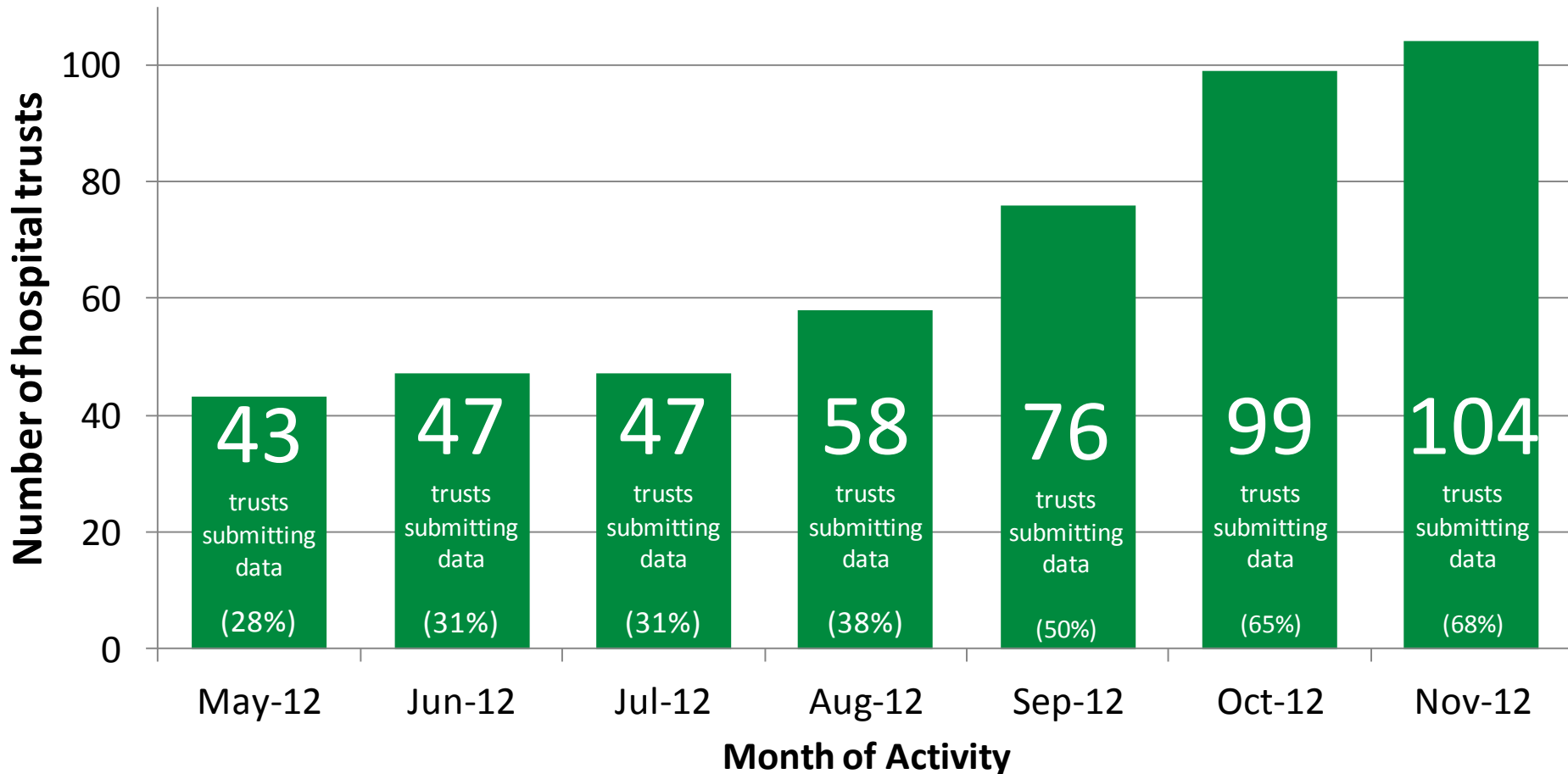- National Cancer Patient Experience Survey

Systemic Anti-Cancer Therapy Dataset (SACT)

- The **S**ystemic **A**nti-**C**ancer **T**herapy Information Standard became operational in the NHS for England on 1st April 2012

- There is an implementation period from April 2012- April 2014 by which all trusts should be contributing full data

- This covers all drug treatment for cancer in all settings

Number of hospital trusts submitting chemotherapy data, by month of activity

Note: There are **153** hospital trusts in England known by CIU to be delivering chemotherapy services
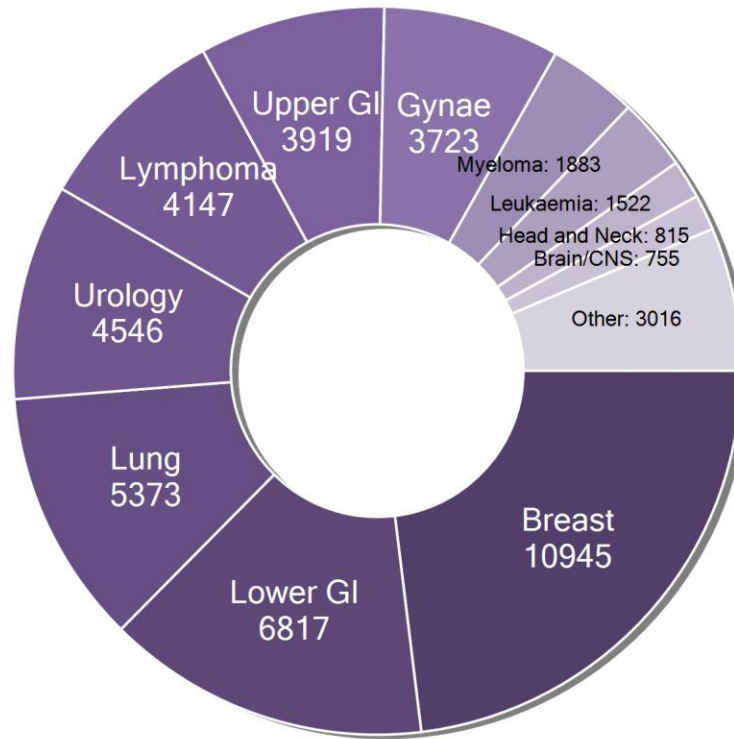**Source:** SACT dataset, accessed 26th November 2012

Number of Patients by Diagnostic Group

All submitting trusts aggregated

Data received for April 2012 - September 2012. Patients aged 16 and over

- Breast: 10945 (23%)
- Lower GI: 6817 (14%)
- Lung: 5373 (11%)
- Urology: 4546 (10%)
- Lymphoma: 4147 (9%)
- Upper GI: 3919 (8%)
- Gynae: 3723 (8%)
- Myeloma: 1883 (4%)
- Leukaemia: 1522 (3%)
- Head and Neck: 815 (2%)
- Brain/CNS: 755 (2%)
- Other: 3016 (6%)

Donut chart segments:
- Upper GI 3919
- Gynae 3723
- Lymphoma 4147
- Myeloma: 1883
- Leukaemia: 1522
- Head and Neck: 815
- Brain/CNS: 755
- Urology 4546
- Other: 3016
- Lung 5373
- Breast 10945
- Lower GI 6817

PROVISIONAL DATA

ciu
Chemotherapy
Intelligence Unit

NCIN
national cancer
intelligence network
Using information to improve quality of choice

National Cancer Action Team
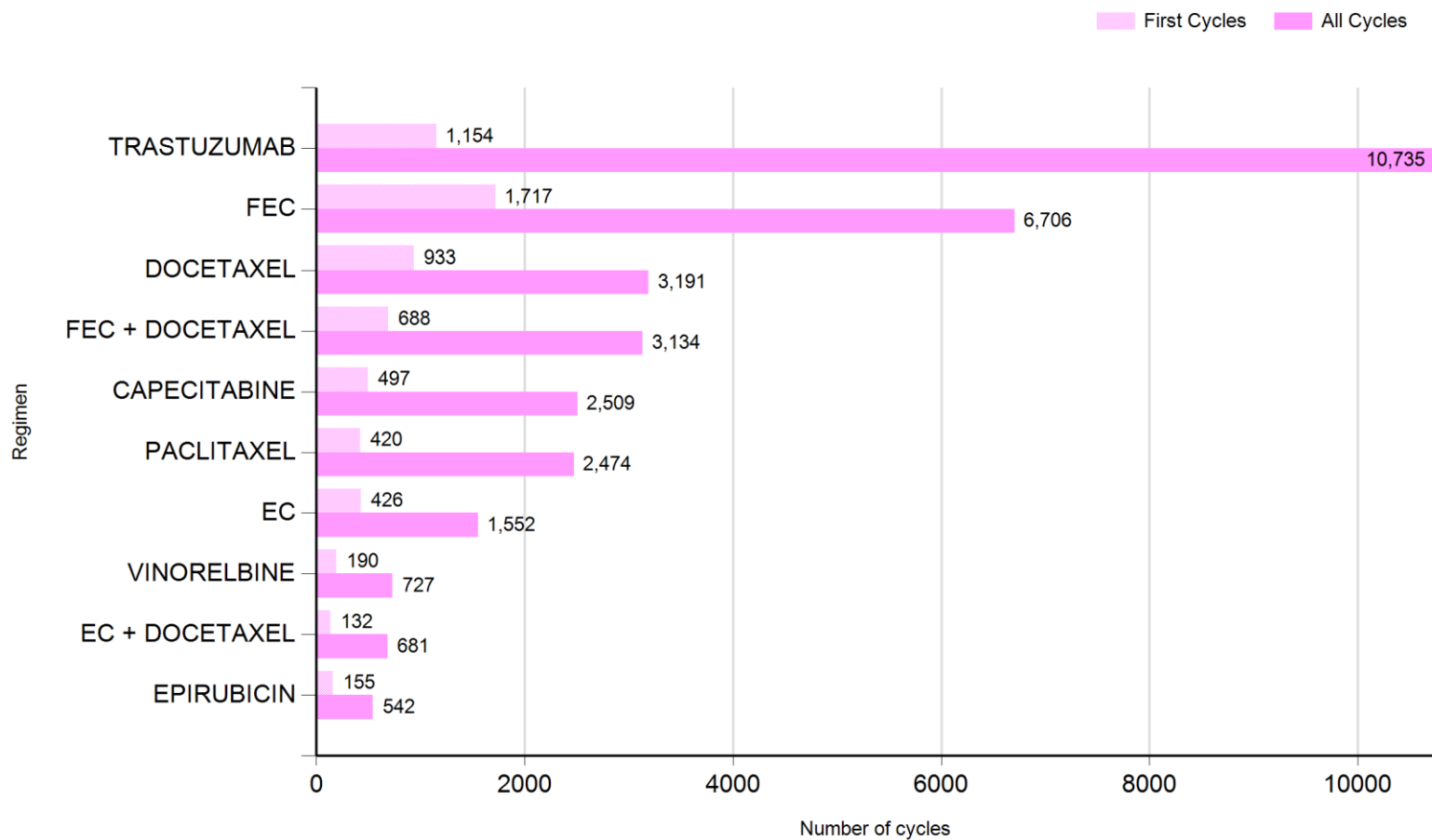Part of the National Cancer Programme

NHS

Top Regimens by Diagnostic Group

Breast †

All submitting trusts aggregated

Data received for April 2012 - September 2012. Patients aged 16 and over

Legend: First Cycles | All Cycles

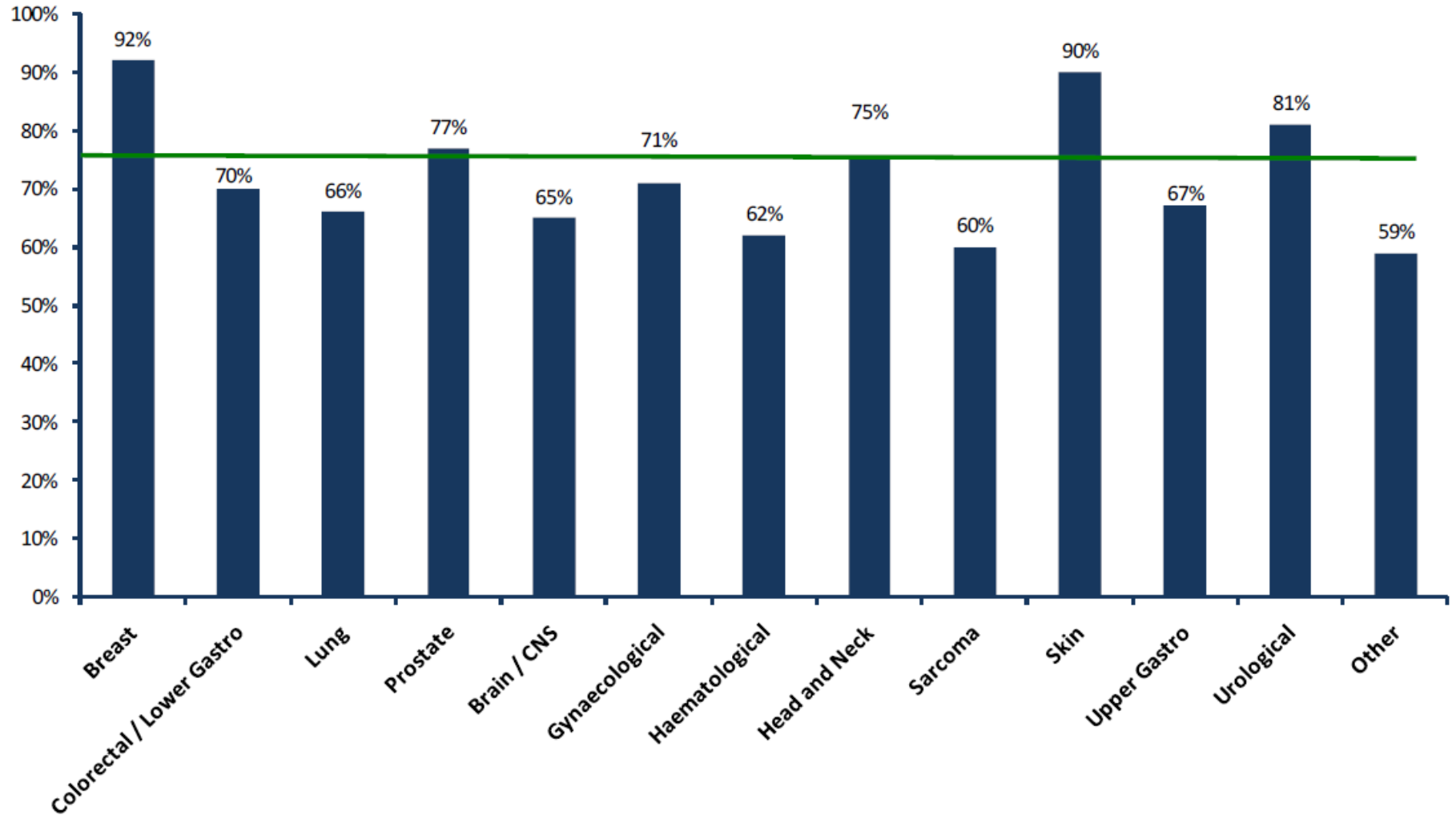| Regimen	First Cycles	All Cycles
TRASTUZUMAB	1,154	10,735
FEC	1,717	6,706
DOCETAXEL	933	3,191
FEC + DOCETAXEL	688	3,134
CAPECITABINE	497	2,509
PACLITAXEL	420	2,474
EC	426	1,552
VINORELBINE	190	727
EC + DOCETAXEL	132	681
EPIRUBICIN	155	542

Number of cycles

Cancer Data Sources

- National Cancer Data Repository (Cancer Registration, Hospital Episode Statistics, plus….)
- Cancer Waiting Times
- National Cancer Audits (Lung, Colo-rectal, Head & neck, Upper GI, Prostate)
- Cancer Outcomes & Services Dataset (COSD)
- Radiotherapy Dataset (RTDS)
- Diagnostic Imaging Data Set (DIDS)
- Systemic Anti-Cancer Therapy Dataset (SACT)
- National Cancer Patient Experience Survey

Cancer Patient Experience Survey

Saw GP no more than twice before referral to hospital

Category	Percentage
Breast	92%
Colorectal / Lower Gastro	70%
Lung	66%
Prostate	77%
Brain / CNS	65%
Gynaecological	71%
Haematological	62%
Head and Neck	75%
Sarcoma	60%
Skin	90%
Upper Gastro	67%
Urological	81%
Other	59%

www.ncin.org.uk