

# Cancer Outcomes and Services Dataset

Gynae NSSG Leads Meeting  
23<sup>rd</sup> November 2012

# 17 years ago....

...Cancer registration and careful monitoring of treatment and outcomes are essential...

*Calman-Hine 1995*

.....“Our aspiration is that England should achieve cancer outcomes which are comparable with the best in the world”

*Improving Outcomes: a Strategy for Cancer, 2011*

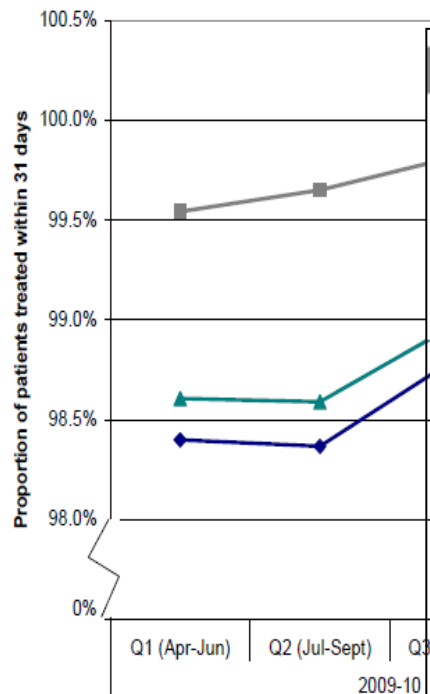
# Why are we doing this – the impact of information?

## 31 Days - CWT

first defined treatment for breast cancer within 31 days  
diagnosis by quarter, England

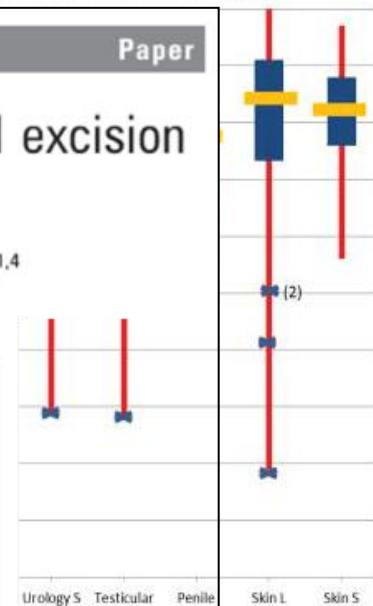
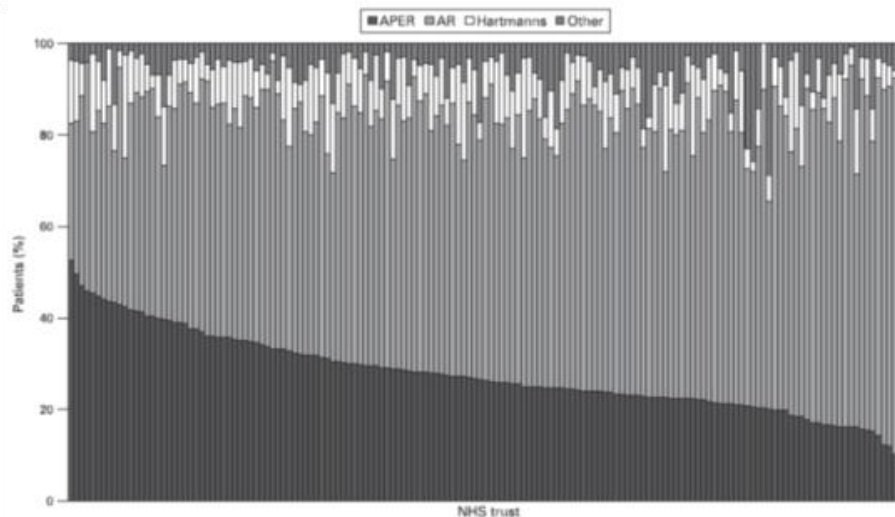
NCPR 2010/11

Overall Compliance Ranges by MDT Tumour Site (PR and IV10 - 11)



## Unacceptable variation in abdominoperineal excision rates for rectal cancer: time to intervene?

E Morris,<sup>1,2</sup> P Quirke,<sup>2</sup> J D Thomas,<sup>1,2</sup> L Fairley,<sup>4</sup> B Cottier,<sup>3</sup> D Forman<sup>1,4</sup>



# Why are we doing this – newer Information?

## Routes to Diagnosis



Diagnosed via Screening

## Overview of Ovarian Cancer in England: Incidence, Mortality and Survival

November 2012

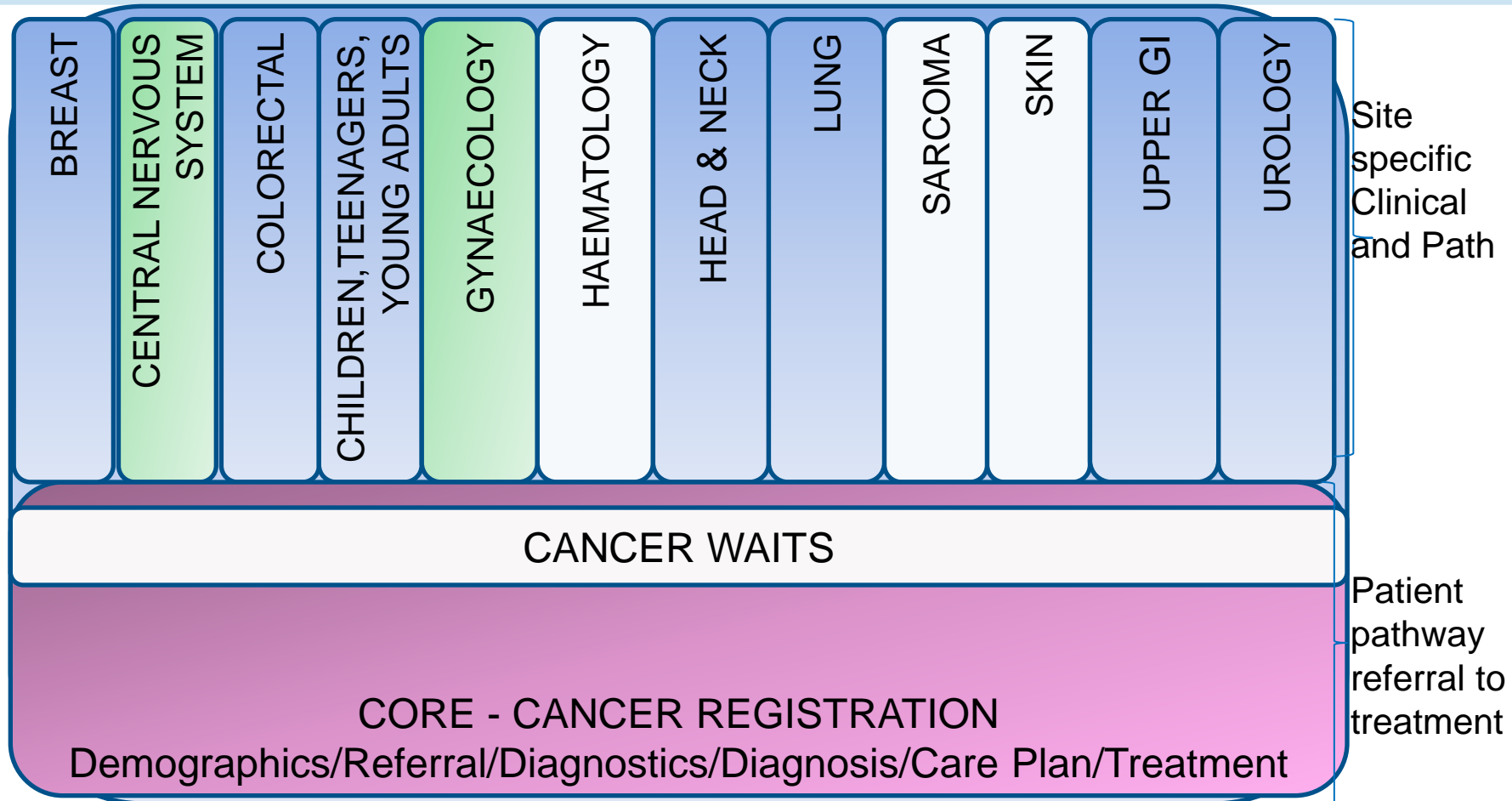
## Survey

Age	Standardised Incidence Rate (SIR)	Standardised Mortality Rate (SMR)	Standardised Survival Rate (SSR)
15-19	0.0	0.0	0.0
20-24	0.0	0.0	0.0
25-29	0.0	0.0	0.0
30-34	0.0	0.0	0.0
35-39	0.0	0.0	0.0
40-44	0.0	0.0	0.0
45-49	0.0	0.0	0.0
50-54	0.0	0.0	0.0
55-59	0.0	0.0	0.0
60-64	0.0	0.0	0.0
65-69	0.0	0.0	0.0
70-74	0.0	0.0	0.0
75-79	0.0	0.0	0.0
80-84	0.0	0.0	0.0
85-89	0.0	0.0	0.0
90-94	0.0	0.0	0.0
95-99	0.0	0.0	0.0
100+	0.0	0.0	0.0

# What is COSD?

- **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



# What's different about COSD? (1)

- Complete patient pathway
  - Referral details for all cases
  - All treatments
  - Includes palliative and supportive care
- New core data items including
  - TNM Edition Number
  - Involvement of Clinical Nurse Specialist
  - Duration of symptoms
    - Mandatory for Children, Teenagers, Young Adults (CTYA), Optional for others
    - Year/Month/Day as appropriate or available
- All registerable conditions including
  - in situ bladder, in situ melanoma, benign brain tumours

# What's different about COSD? (2)

- Site specific data
  - Key site specific clinical items – patient management
  - Site specific stage
  - Stage components of RCPATH datasets
- Includes recurrences
  - Breast cancers to start with
  - New record including referral information



# COSD Dataset

Data Item Name	Suggested System/Source
Primary Diagnosis (ICD)	
Multidisciplinary Team Discussion Date (Cancer)	
Cancer Care Plan Intent	
Performance Status (Adult)	
TNM Stage Grouping (Final Pre Treatment)	
Site Code (Of Imaging)	
Procedure Date (Cancer Imaging)	
Imaging Code (Nicip)	
Cancer Imaging Modality	
Imaging Anatomical Site	
Consultant Code	
Care Professional Main Specialty Code	
Procedure Date	
Primary Procedure (Opcs)	
Procedure (Opcs)	
Investigation Result Date	
Service Report Identifier	
Service Report Status	
Care Professional Code (Test Requested By)	
Organisation Site Code (Immunology Test Requested By)	
Cancer Treatment Event Type	
Treatment Start Date (Cancer)	
Cancer Treatment Modality	
Organisation Site Code (Provider Treatment Start Date (Cancer)	

Compilation into a single dataset (assembled by Registries – not by Providers)



**MDT**



**Radiology**



**PAS**



**Pathology**



**National Feeds – datasets and other sources e.g. CWT, RTDS, SACT, (ONS)**

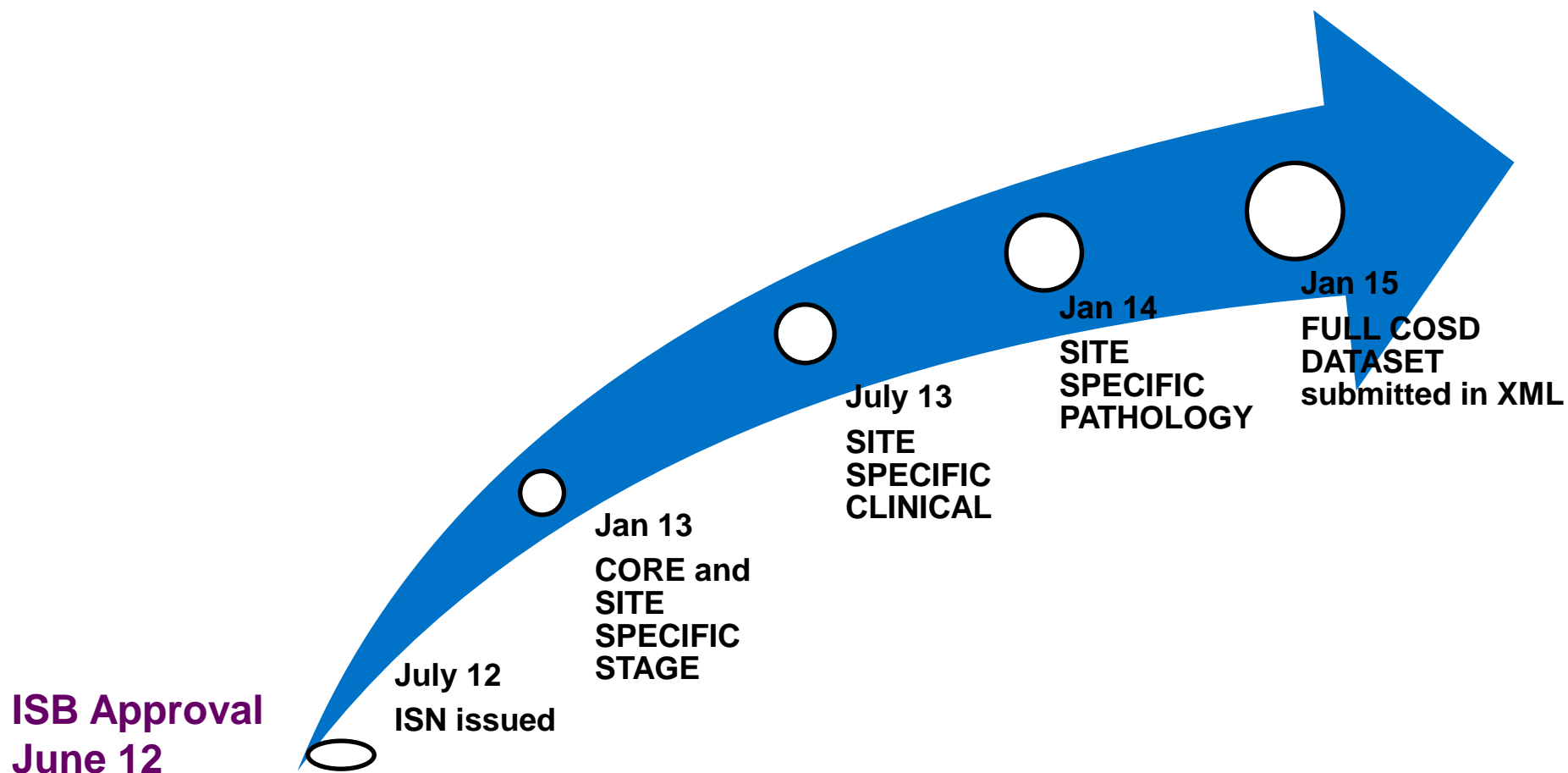
# What does the COSD mean for you? (1)

- Multiple Trust systems (MDT, PAS, Path, RIS)
  - Separate files for MDT, PAS, Path, RIS
  - Compiled by registries
- Method of transmission
  - Agreed with registries
  - Secure transmission - nhs.net
  - Aim towards XML
  - Path data extracted from path reports by registries
  - Complete Data Transfer Agreement
- Minimising duplication of data flows

# What does the COSD mean for you? (2)

- Monthly submission
  - Current cancer registry feeds expanded to include COSD items
  - 25 working days after diagnosis or treatment
  - Send updates as applicable
    - Aim for three months to complete initial record (to first treatment)
    - Final updates to first treatment within 6 months
    - Further treatments - submit 25 working days after treatment
- How to collect in “real time” ?
- Clinical ownership/sign off for
  - MDT extract
  - PAS extract
  - Path extract
  - RIS extract

# Implementation Timetable



# COSD data items to be collected and submitted from January 2013

## ■ Core Dataset + Gynae Stage Data Items

Data item No.	Data Item Section	Data Item Name	Description	Format	National Code	National code definition
GY7010	GYNAECOLOGY - STAGING	<b>FINAL FIGO STAGE</b>	The FIGO stage is generally confirmed at pathology review in MDT meetings following surgery for uterine and vulval malignancies and for ovarian malignancies undergoing primary surgery. For ovarian malignancies planned to undergo neoadjuvant chemotherapy and for cases of cervical cancer (which is staged clinically), the final FIGO stage is determined at the time of review of clinical findings, imaging, cytology and biopsy histology at the MDT meeting.	max an5	See COSD User for specific values and descriptions	
GY7020	GYNAECOLOGY - PATHOLOGY - NODES	<b>NODAL STATUS CERVICAL CANCER</b>	FOR CERVICAL CANCERS ONLY. Only required for surgically staged early FIGO stage cancers. Histological assessment of regional lymph nodes, including surgical excision or fine needle aspiration. (FIGO staging for cervical cancer is clinical, but nodal status may be an important prognostic factor and determinant of management options including the need for adjuvant therapy)	an2	NX	Regional lymph nodes cannot be assessed
					NO	No regional lymph node metastases
					N1	Regional lymph node metastases

# COSD data items to be collected and submitted from July 2013

- Core Dataset + Gynae Stage Data Items + **Gynae Clinical Data Items**

Data item No.	Data Item Section	Data Item Name	Format	Format	National Code	National code definition
GY7000	GYNAECOLOGY - SURGERY & OTHER PROCEDURES	<b>SURGEON GRADE</b>	Grade of senior surgeon present at operation	an1	S	Subspecialist Gynaecological Oncologist
					C	Consultant Gynaecologist (not subspecialist)
					F	Sub-Specialty Fellow
					A	Associate Specialist / Staff Grade
					R	SPR / ST3+
					O	SHO / ST1 or ST2
					G	General Surgeon / other surgical specialty

# COSD data items to be collected and submitted from January 2014 (1)

- Core Dataset + Gynae Stage Data Items + Gynae Clinical Data Items + **Pathology Data Items**

Data item No.	Data Item Section	Data Item Name	Format
GY7320	GYNAECOLOGY - PATHOLOGY	INVESTIGATION RESULT DATE	an10 ccyy-mm-dd
GY7430	GYNAECOLOGY - PATHOLOGY	SERVICE REPORT IDENTIFIER	max an18
GY7050	GYNAECOLOGY - PATHOLOGY	FALLOPIAN TUBE INVOLVEMENT	an1
GY7120	GYNAECOLOGY - PATHOLOGY	OVARIAN INVOLVEMENT	an1
GY7130	GYNAECOLOGY - PATHOLOGY	SEROSAL INVOLVEMENT	an1
GY7100	GYNAECOLOGY - PATHOLOGY	OMENTAL INVOLVEMENT	an1
GY7140	GYNAECOLOGY - PATHOLOGY - FALLOPIAN TUBE, OVARIAN EPITHELIAL and PRIMARY PERITONEAL	CAPSULE STATUS	an1
GY7190	GYNAECOLOGY - PATHOLOGY - FALLOPIAN TUBE, OVARIAN EPITHELIAL and PRIMARY PERITONEAL	OVARIAN SURFACE INVOLVEMENT	an1
GY7150	GYNAECOLOGY - PATHOLOGY - FALLOPIAN TUBE, OVARIAN EPITHELIAL and PRIMARY PERITONEAL	TUMOUR GRADE	an1
GY7170	GYNAECOLOGY - PATHOLOGY - FALLOPIAN TUBE, OVARIAN EPITHELIAL and PRIMARY PERITONEAL	PERITONEAL CYTOLOGY	an1
GY7180	GYNAECOLOGY - PATHOLOGY - FALLOPIAN TUBE, OVARIAN EPITHELIAL and PRIMARY PERITONEAL	PERITONEAL INVOLVEMENT	an1
GY7210	GYNAECOLOGY - PATHOLOGY - ENDOMETRIAL	BACKGROUND ENDOMETRIUM	an1
GY7220	GYNAECOLOGY - PATHOLOGY - ENDOMETRIAL	DISTANCE TO SEROSA	max n2
GY7240	GYNAECOLOGY - PATHOLOGY - ENDOMETRIAL	INVOLVEMENT OF CERVICAL STROMA	an1
GY7250	GYNAECOLOGY - PATHOLOGY - ENDOMETRIAL	INVOLVEMENT OF CERVICAL SURFACE OR GLANDS	an1
GY7260	GYNAECOLOGY - PATHOLOGY - ENDOMETRIAL	MYOMETRIAL INVASION	an1
GY7270	GYNAECOLOGY - PATHOLOGY - ENDOMETRIAL	PARAMETRIUM INVOLVEMENT	an1
GY7280	GYNAECOLOGY - PATHOLOGY - ENDOMETRIAL	PERITONEAL WASHINGS	an1
GY7290	GYNAECOLOGY - PATHOLOGY - CERVICAL	CGIN GRADE	an1
GY7300	GYNAECOLOGY - PATHOLOGY - CERVICAL	CIN GRADE	an1

# COSD data items to be collected and submitted from January 2014 (2)

- Core Dataset + Gynae Stage Data Items + Gynae Clinical Data Items + **Pathology Data Items**

Data item No.	Data Item Section	Data Item Name	Format
GY7350	GYNAECOLOGY - PATHOLOGY - CERVICAL	<b>SMILE</b>	an1
GY7310	GYNAECOLOGY - PATHOLOGY - CERVICAL	<b>EXCISION MARGIN (PRE INVASIVE)</b>	an1
GY7330	GYNAECOLOGY - PATHOLOGY - CERVICAL	<b>INVASIVE THICKNESS</b>	max n2
GY7340	GYNAECOLOGY - PATHOLOGY - CERVICAL	<b>PARACERVICAL OR PARAMETRIAL INVOLVEMENT</b>	an1
GY7360	GYNAECOLOGY - PATHOLOGY - CERVICAL	<b>THICKNESS UNINVOLVED STROMA</b>	max n2
GY7370	GYNAECOLOGY - PATHOLOGY - CERVICAL	<b>VAGINAL INVOLVEMENT</b>	an1
GY7390	GYNAECOLOGY - PATHOLOGY - VULVAL	<b>INVASIVE THICKNESS</b>	max n2
GY7020	GYNAECOLOGY - PATHOLOGY - NODES	<b>NODAL STATUS CERVICAL CANCER</b>	an2
GY7060	GYNAECOLOGY - PATHOLOGY - NODES	<b>NODES EXAMINED NUMBER (PARA-AORTIC)</b>	max n2
GY7080	GYNAECOLOGY - PATHOLOGY - NODES	<b>NODES POSITIVE NUMBER (PARA-AORTIC)</b>	max n2
GY7070	GYNAECOLOGY - PATHOLOGY - NODES	<b>NODES EXAMINED NUMBER (PELVIC)</b>	max n2
GY7090	GYNAECOLOGY - PATHOLOGY - NODES	<b>NODES POSITIVE NUMBER (PELVIC)</b>	max n2
GY7410	GYNAECOLOGY - PATHOLOGY - NODES	<b>NODES EXAMINED NUMBER (INGUINO-FEMORAL)</b>	max n2
GY7420	GYNAECOLOGY - PATHOLOGY - NODES	<b>NODES POSITIVE NUMBER (INGUINO-FEMORAL)</b>	max n2
GY7230	GYNAECOLOGY - PATHOLOGY - NODES	<b>EXTRANODAL SPREAD</b>	an1

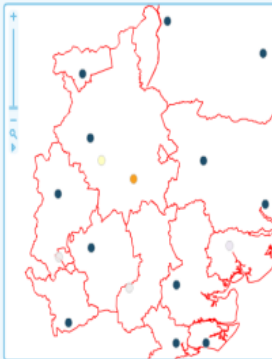
Please see the Dataset and User Guide for further information on the National Codes and Descriptions



# Future Feedback?

## MDT Data Completeness

Filter



This report shows the completeness of certain key data items received as discussed at MDT. By clicking on your Trust from the map above, you can see the performance chart to the right. You can compare your Trust's performance with other Trusts by clicking on the 'Compare' button and selecting another Trust. You can scroll the data on the right by hovering over the data and using the mouse wheel or holding and moving down. A full user guide is available by clicking the 'User Guide' button. This will give you detailed instructions on how to use this report effectively. If you see 'No Data' or 'No MDT', additional information about a specific Trust is available by clicking the 'Notes' icon before the hospital's name in the MDT Data Completeness report.

**Patient Pathways** LOAD DATA OPEN SAVE PRINT DISPLAY PROPERTIES

Lung Cancer / Mount Vernon Cancer Network / 2000 - 2009

**FILTERS /**

**PATIENT INFO**

AGE select inverse  
0 - 75 yrs

**GENDER**  
☒ Male ☒ Female

**TUMOUR INFO**  
Stage: Stage 4

To: 2009

☒ Surgery  
☒ Radiotherapy

Patient ID	Age	Gender	Diagnosis Date	Treatments	Outcome
6767986392	63	M	03/05/2006	CT/RT	Remission
8489389283	55	M	04/11/2003	S/CT/RT	Remission
7837487298	68	F	23/06/2002	S/CT/RT	Remission
9540949444	45	M	21/04/2005	RT	Relapse
4903940930	77	F	03/03/2006	CT	Remission
9409503940	56	F	17/10/2004	S/CT/RT	Relapse
8743892328	94	F	05/09/2008	Palliative	Death
2938223822	72	M	12/11/2007	CT/RT	Death
4893829339	53	M	30/03/2003	S/CT/RT	Remission
3234982094	69	F	16/07/2005	CT/RT	Remission
8324982920	90	M	29/04/2006	Palliative	Death
2093804982	68	M	11/07/2007	RT	Remission
2448748374	55	F	20/05/2002	CT	Relapse

Andrew Murphy Log out

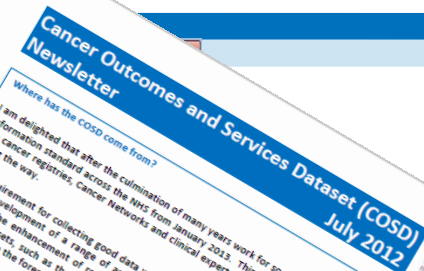
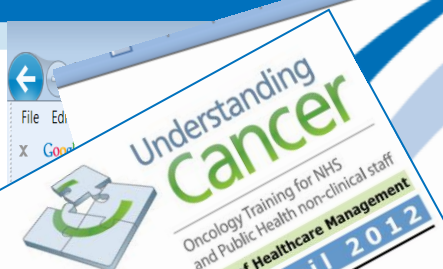
unprocessed data filters  
with unprocessed records

Search

Date	MDT 18/0-2	Date
01/04/03		01/04
01/04/03		08/04
01/04/03		15/04
01/04/03		12/03
01/04/03		08/04
01/04/03		08/04
01/04/03		18/04
01/04/03		28/09
01/04/03		12/03
01/04/03		15/03

# Support

**Check the NCIN  
website monthly for  
updates**



# Any questions?

