

# Cancer Outcomes and Services Dataset

## What is COSD?

Implications for Providers and Networks  
Sarcoma Workshop January 2013

# 17 years ago....



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

*Calman-Hine 1995*

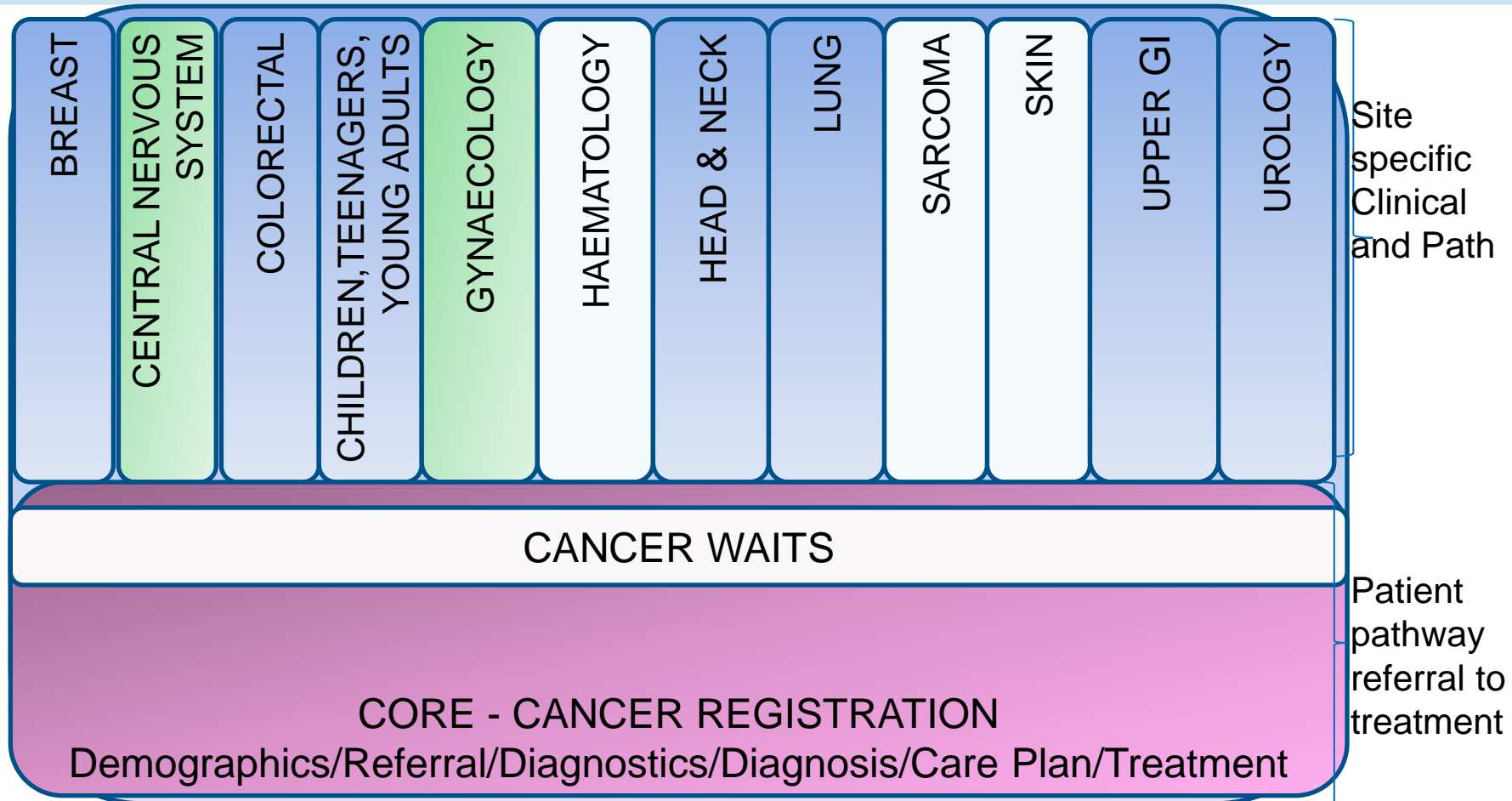
.....“Our aspiration is that England should achieve cancer outcomes which are comparable with the best in the world”

*Improving Outcomes: a Strategy for Cancer, 2011*

# What is COSD?

- **The new national cancer dataset**
- Incorporates previous cancer registration dataset
- Cancer Outcomes and Services
- Aligned with patient management
- Proposed and supported by clinicians
- 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



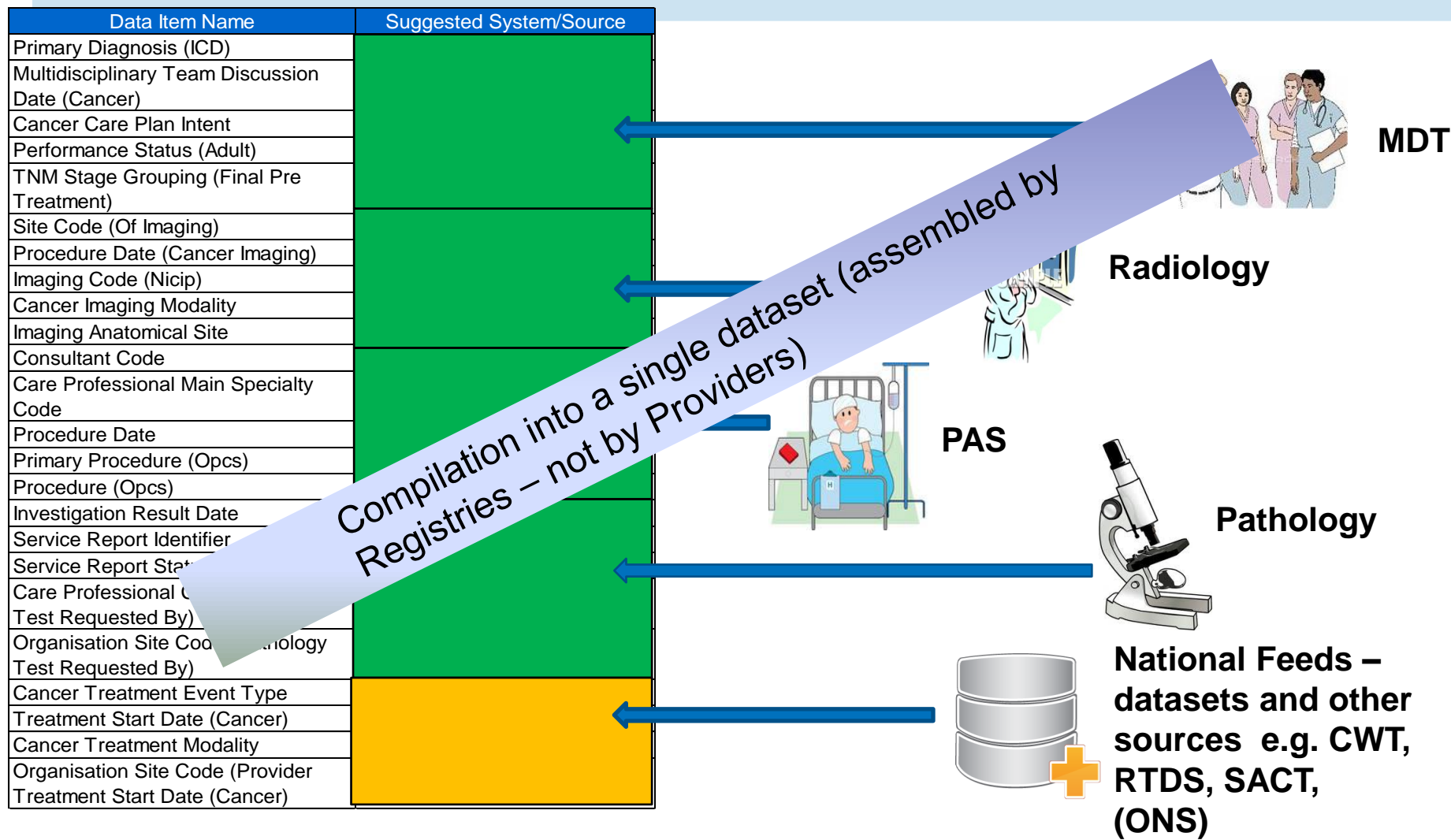
# What's different about COSD? (1)

- 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




# What does this mean for you?

- 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

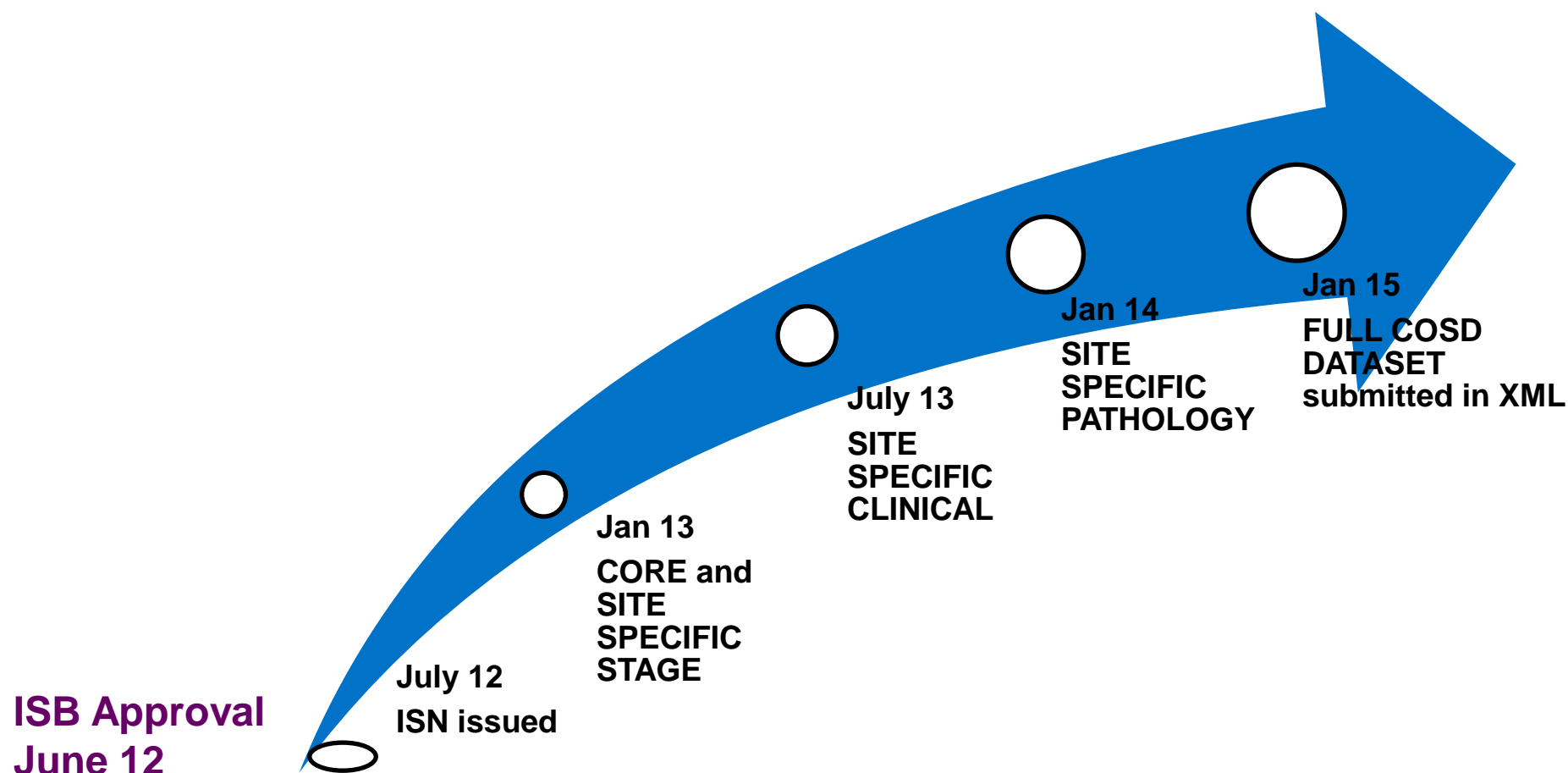


# Support



## Check the NCIN website monthly for updates

# Implementation Timetable



# Conformance

- Included in National Contract
  - Information Standard
  - Possible financial penalty
- Simple criteria
  - Monthly feedback to Providers (raw data)
    - e.g. data submitted on time?
    - Staging data completeness
  - Quarterly and annual feedback to follow (processed data)
- Potential Escalation process
  - Informal discussions
  - Notification to CEO
  - Formal notification to commissioners
  - NHS Commissioning Board

# Monthly feedback for MDTs– records submitted



- By end of month submitted
  - Number diagnosed
  - Number treated
  - Breakdown of basis of diagnosis
  - % Performance status completed
  - Stage breakdown (at diagnosis/final)
  - % Overall stage grouping completion

# Monthly feedback for MDTs— records compiled

- Six months after submission month
  - Number diagnosed
  - Number treated
  - Breakdown of basis of diagnosis
  - % Performance status completed (0-4)
  - % Stage grouping completion (at diagnosis/final)
  - **% Registry derived stage completion**
  - **% key pathology items completed**
  - **Other site specific items -to be agreed in consultation with clinical teams**

# Quarterly feedback for MDTs records compiled

- Six months after submission quarter
  - Number diagnosed
  - Number treated
  - Breakdown of basis of diagnosis
  - % Performance status completed (0-4)
  - % Stage grouping completion (at diagnosis/final)
  - % Registry derived stage completion
  - % key pathology items completed
  - Other site specific items -to be agreed in consultation with clinical teams
  - *Providers to audit progress*

# Annual feedback for MDTs— records compiled



- Six months after final submission
  - Number diagnosed
  - Number treated
  - Breakdown of basis of diagnosis
  - % Performance status completed (0-4)
  - % Stage grouping completion (at diagnosis/final)
  - % Registry derived stage completion
  - % key pathology items completed
  - Other site specific items -to be agreed in consultation with clinical teams
  - **80% expected annual cases (agreed at start of year)**

# Thank you

[cosd@ncin.org.uk](mailto:cosd@ncin.org.uk)



# Future Direction for Cancer Registries

**What is happening at the cancer registries  
and how it will support Trusts?**

# National Cancer Registration Service



- Single England wide system
- Cancer Outcomes and Services Dataset compliant
- Facilitates rapid processing of multiple local and all national data sources
- Common standards and processes including data quality
- Provides rapid and direct feedback of data to clinical teams to enhance data quality
- Support for (near) real-time surveillance, cancer audit and analysis
- Datasets available for external analysis and research

**Local data collection at MDTs is key to success**

# Data sources - patient-level data

**National Feeds (inc COSD indirect)**



Radiotherapy Data (RTDS)

Cancer Waiting Times

Chemotherapy Dataset (SACT)

ONS - Cancer and non-cancer deaths

Cancer screening programmes - Bowel, Cervix and Breast

National PET-CT imaging

National cancer audits - Lung, Head and Neck, Upper GI and Colorectal

Hospital Episode Statistics (HES)

**Local Feeds (COSD direct)**



Data from MDT software systems

Pathology full-text reports



Local imaging systems



Patient Administration Systems



Local clinical data systems

**National Pilots**

Recurrent/Meta static Breast Audit Pilot

CRUK Stratified Medicine (Sept 2011)



Encore

# Information Governance (1)

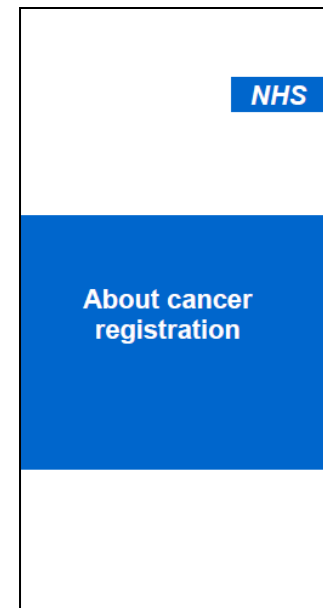


- S251 NHS Act exemption
  - All cancer registries covered – one annual application
  - Annual renewal through National Information Governance Board (NIGB) and corresponding statutory instrument
- Caldicott Guardian
  - sign-off required to allow transfer of data to and from organisations
  - existing signoff covers COSD

# Information Governance (2)

## ■ Data Protection Act

- All cancer registries are registered under the DPA.
- Fair processing notices, including rights to withdraw consent, are provided through the UKACR Patient Information Leaflet (under revision)
- Latest version of leaflet available from:  
<http://www.ukacr.org/content/patient-information>

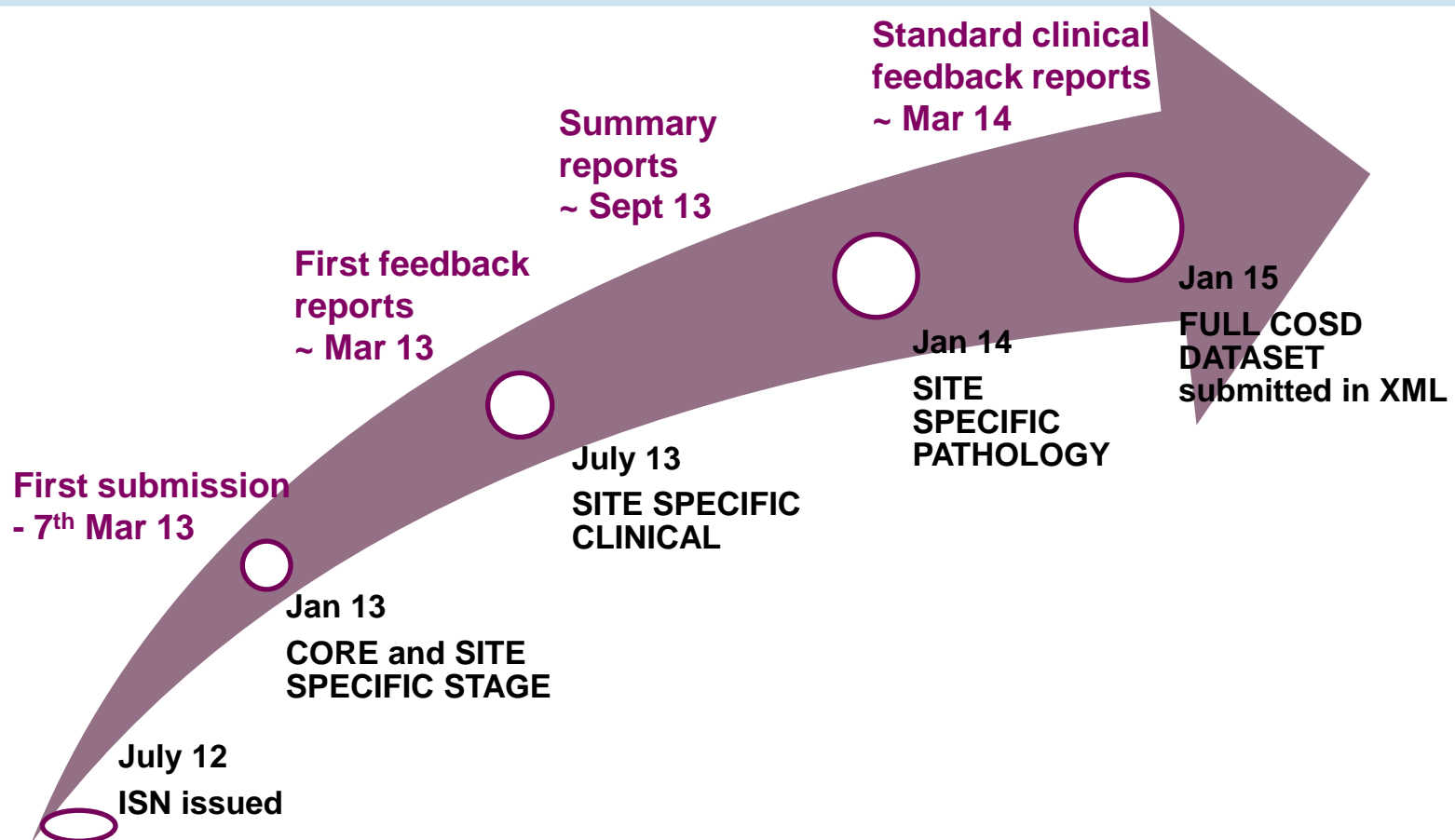


# Feedback for Providers and Clinical Teams



- Monthly Conformance Report
  - Extract files received, number of cases, timeliness etc
- Data Quality
  - Initial completeness eg NHS number, stage, performance status, diagnosis
- Summary Information Indicators
  - Eg % histologically verified, RCPATH data item completeness
- Clinical and Performance Indicators
  - NICE Quality Standards etc
    - Eg % lung resections
    - % breast conserving surgery with no Radiotherapy

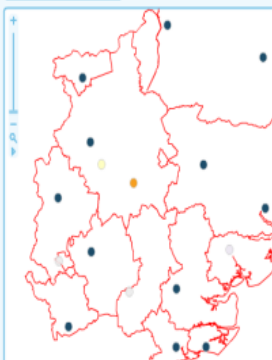
# Proposed Feedback Timetable



# 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 will appear on the performance chart to the right. You can compare your Trust's performance with other Trusts by clicking on the 'Compare' button. You can scroll the data to 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 'Help' icon. This will give you detailed instructions on how to use this report effectively. It shows 'No Data' or 'No MDT', additional information about a specific Trust 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

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

**FILTERS /**

**PATIENT INFO**

AGE: select inverse [0 - 75 yrs]

GENDER: ☒ Male ☒ Female

**TUMOUR INFO**

Stage: Stage 4

To: 2009

☒ Surgery ☒ Radiotherapy

Andrew Murphy Log out

unprocessed data filters with unprocessed records

Search

Date	MDT 18/0-2	Date
02/04/03		01/06
02/04/03		08/06
02/04/03		15/06
02/04/03		12/07
02/04/03		08/08
02/04/03		08/08
02/04/03		18/08
02/04/03		28/09
02/04/03		12/09
02/04/03		15/09



# The Future

- A single cancer registration system (ENCORE) for England
- COSD compliant
- Routine, timely feedback
- Improved registry/clinical partnership working
- Provide powerful data for local, national and international analysis