



### Cancer Outcomes and Services Dataset: Implications for clinical teams

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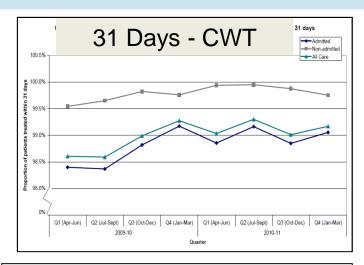


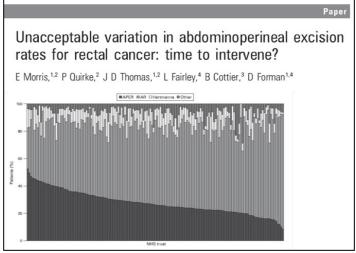
## Why are we doing this – the impact of information?



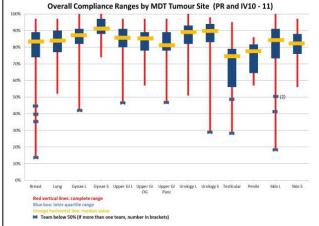


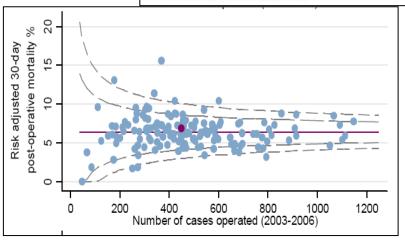
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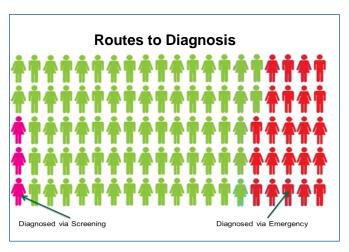


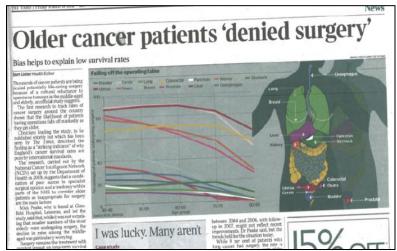


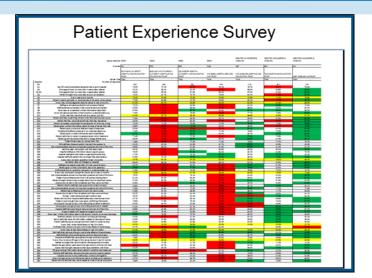
### Why are we doing this – newer \*\* Information?





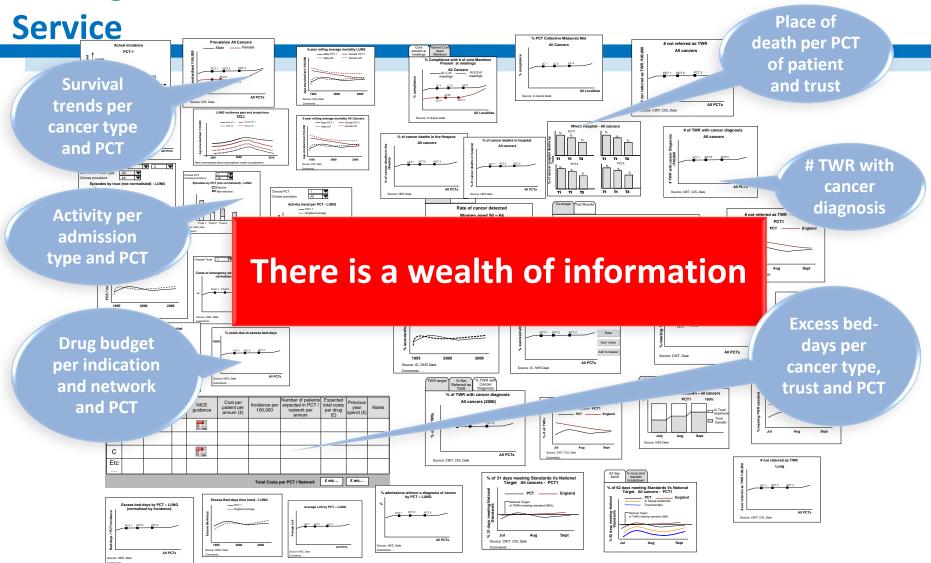






There are 100s of aspects that must be taken into account when making decisions about a Clinical









... 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
- 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





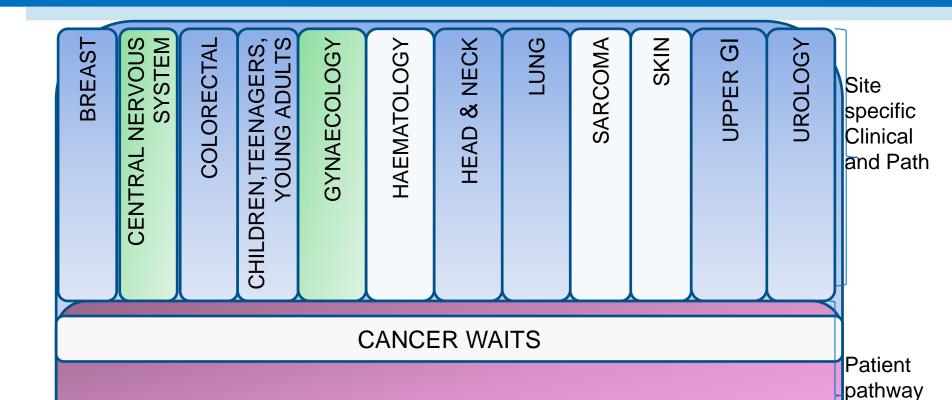
- Radiotherapy Dataset (RTDS)
- Diagnostic Imaging Data Set (DIDS)
- Systemic Anti-Cancer Therapy Dataset (SACT)
- (UGI Audit)

### **COSD - Structure**



referral to

treatment



CORE - CANCER REGISTRATION

Demographics/Referral/Diagnostics/Diagnosis/Care Plan/Treatment

# What's different about COSD? (1)



- Complete patient pathway
  - Referral details for all cases
  - All treatments
  - Includes palliative and supportive care
- Additional core data items including
  - 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

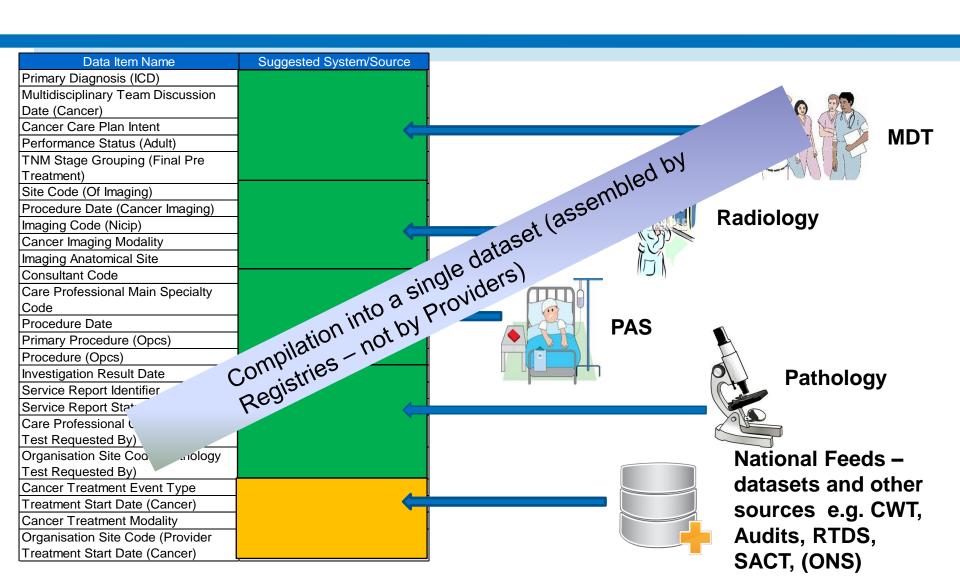
# What's different about COSD? (2)



- Site specific data
  - Key site specific clinical items patient management
  - Site specific stage (at the time of treatment decision)
  - Stage components of RCPath datasets
- Includes recurrences
  - Breast cancers to start with

### **COSD Dataset**





## **Key sources – MDT System**



- Resources
  - Point of care recording
- Clinical sign off/Ownership
  - Review and revise processes
- Inter Provider pathways
  - Network wide implementation
  - Data collection agreements
- Alignment with national audits
  - Differences identified
  - Move towards integrated submission

## **Key Sources – Pathology System**



- Existing extracts continue
- Path items may also be recorded in MDT system
  - Can send from both systems
- Free Text Reports
  - Data items extracted by registries
- Direction of travel
  - Structured reporting
- Clinical oversight
  - Summary feedback reports

### **Key sources – PAS**



- Existing extract
  - Use SUS/CDS/PbR return
  - Check COSD data items included
  - Discuss with regional registry
- Process for Clinical oversight
  - Feedback reports

## **Key sources – Radiology System**



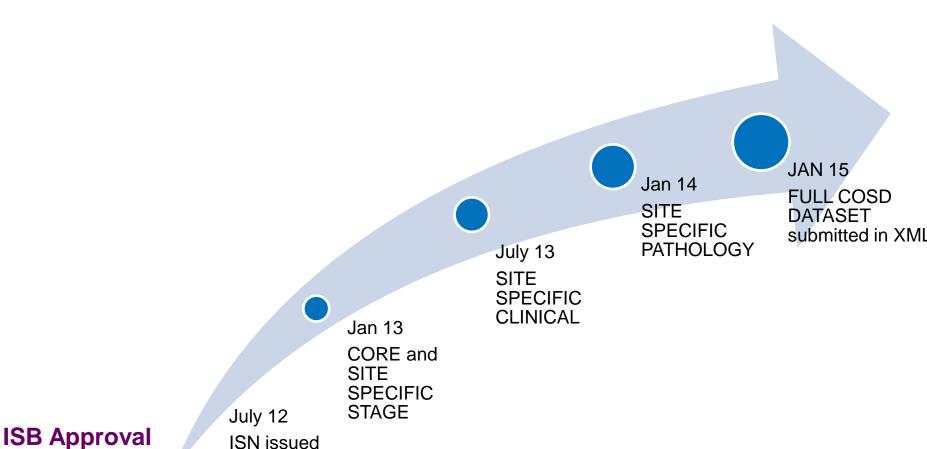
- How to identify cases
  - Can system identify cancer cases automatically?
  - Can Cancer Waiting Times be used to identify reports for cancer investigations?
  - Identified by registries to request reports for specified cancer
  - Remote access to Radiology Information System (RIS) for registries
  - Image Exchange Portal (IEP) future option?
  - Use of Diagnostic Imaging Dataset (DIDS)?
- Free Text reports
  - Data items extracted by registries
- Clinical oversight
  - Summary feedback reports
- Radiology items recorded in MDT system
  - Can send from both systems



## **Implementation Timetable**

**June 12** 





### National Cancer Data Repository



- The NCDR allows researchers to access linked datasets without the need to handle identifiable data
- Links records from the eight English cancer registries, death registrations and Hospital Episode Statistics (HES) data
- Over 8.5 million cancer registry records dating back to 1985
- Readily linked to other datasets such as SACT (chemotherapy)
   and RTDS (radiotherapy)

## Systemic Anti-Cancer Treatment (SACT) programme

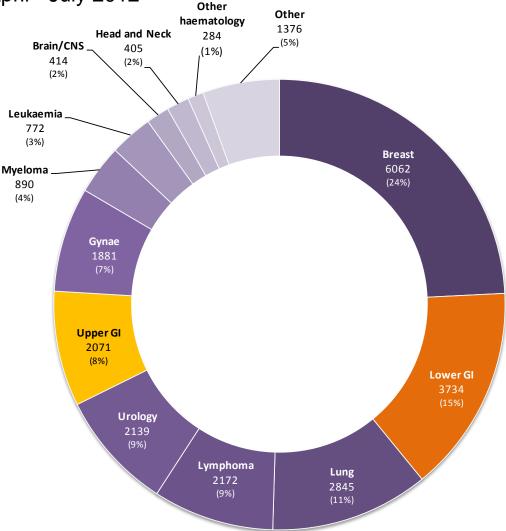


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- Implementation April 2012 April 2014
- Chemotherapy Intelligence Unit at Oxford CIU
- Covers all drug treatment for cancer in all settings
- Monthly upload from trusts; validation
- Three-monthly report of regimens by tumour site produced
- 97 out of 154 trusts supplying data to end September (63%)
- Database currently contains data on 46,595 patients

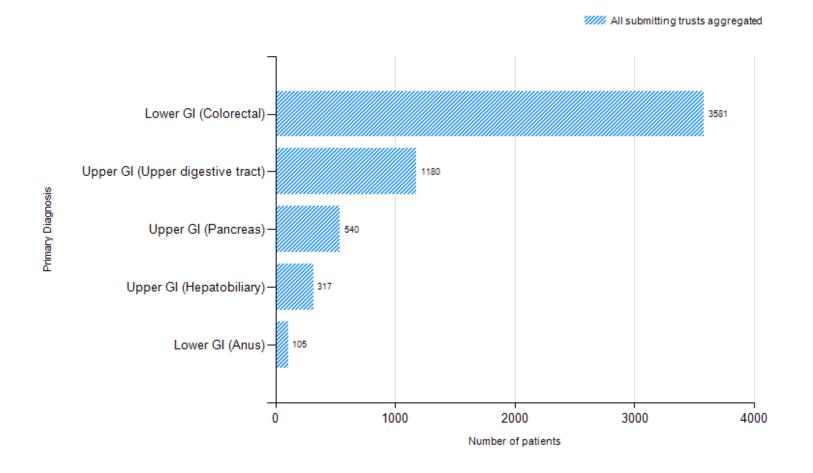
### **Number of Patients by Diagnostic Group**

All submitting trusts aggregated. Patients aged 16 and over.



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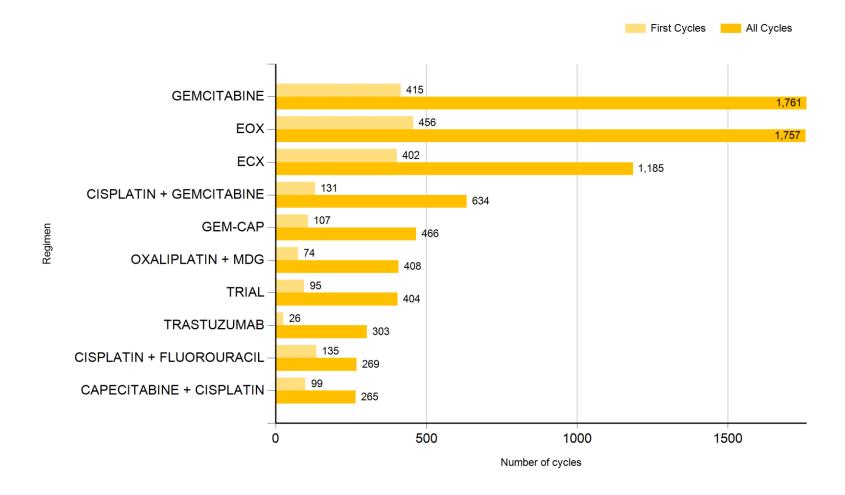
All submitting trusts aggregated. Patients aged 16 and over. Data received for April - July 2012



#### **Top Regimens by Diagnostic Group** Upper GI +

All submitting trusts aggregated

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

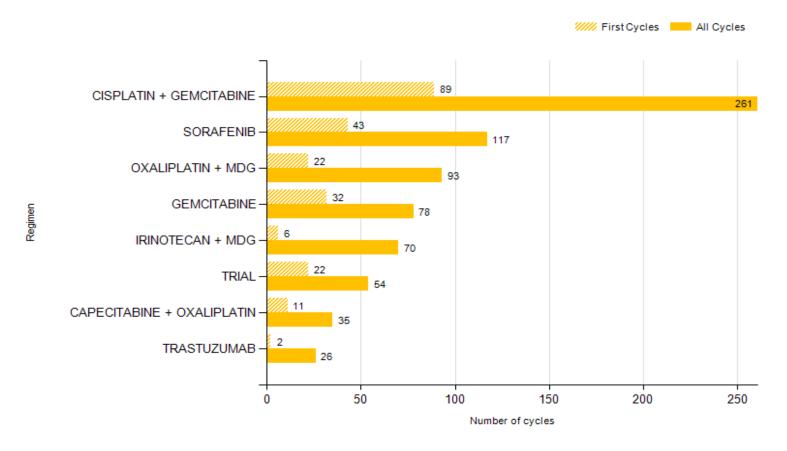


### **Top Regimens by Diagnostic Group**

#### **Upper GI (Hepatobiliary)**

ICD10: C22-C24

All submitting trusts aggregated. Patients aged 16 and over

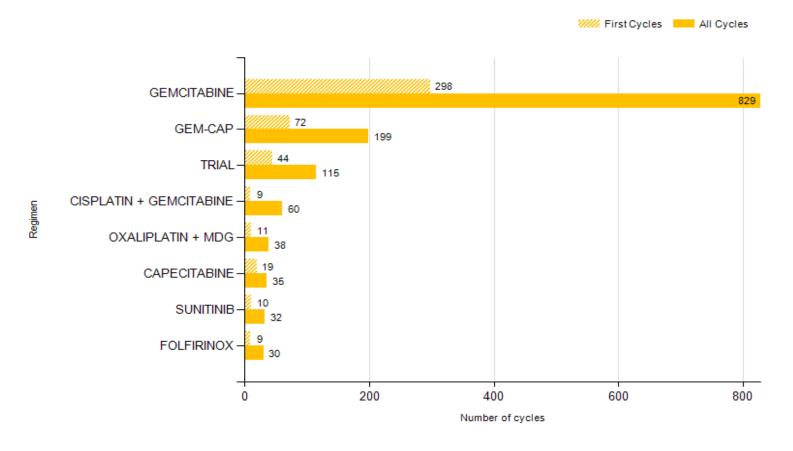


### **Top Regimens by Diagnostic Group**

#### **Upper GI (Pancreas)**

ICD10: C25

All submitting trusts aggregated. Patients aged 16 and over

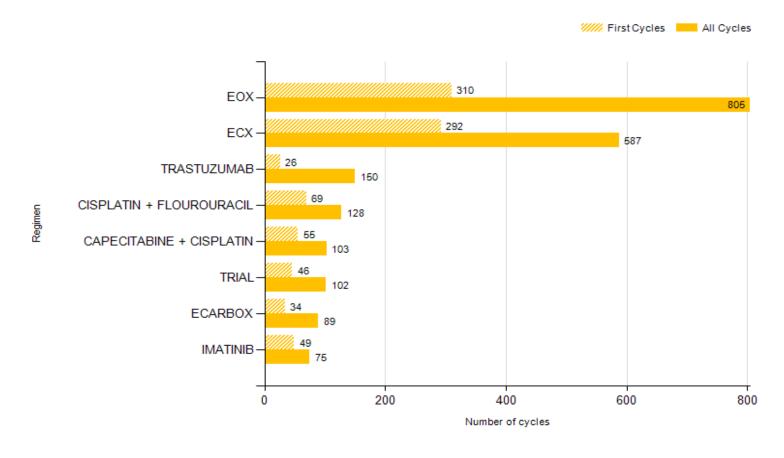


### **Top Regimens by Diagnostic Group**

#### **Upper GI (Upper digestive tract)**

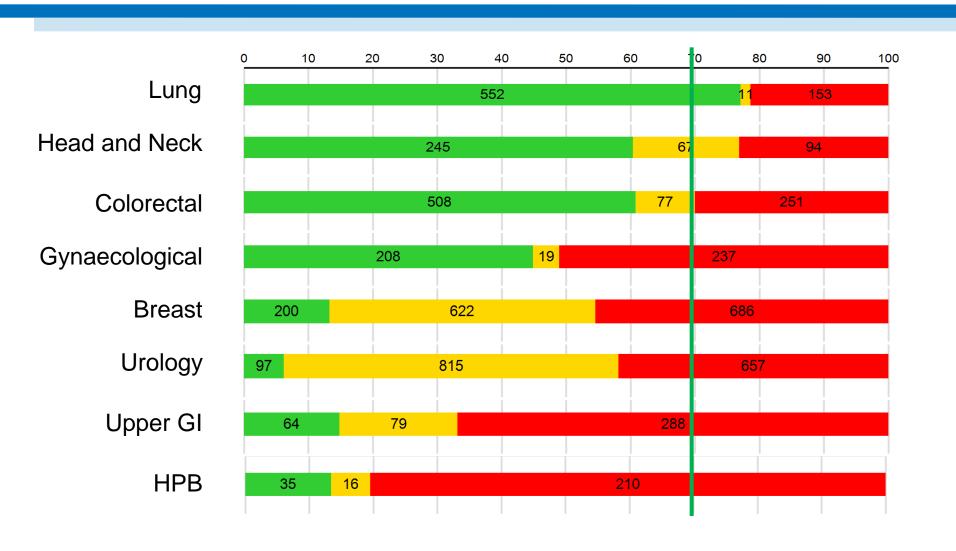
ICD10: C15-C17

All submitting trusts aggregated. Patients aged 16 and over



## Staging Completeness (MDT) – 2011/12









- COSD is one of the key elements in a revolution in cancer data and intelligence
- Linked to other data sources will transform the range and timeliness of reports
- Data quality is key and clinical engagement leadership & leadership are vital



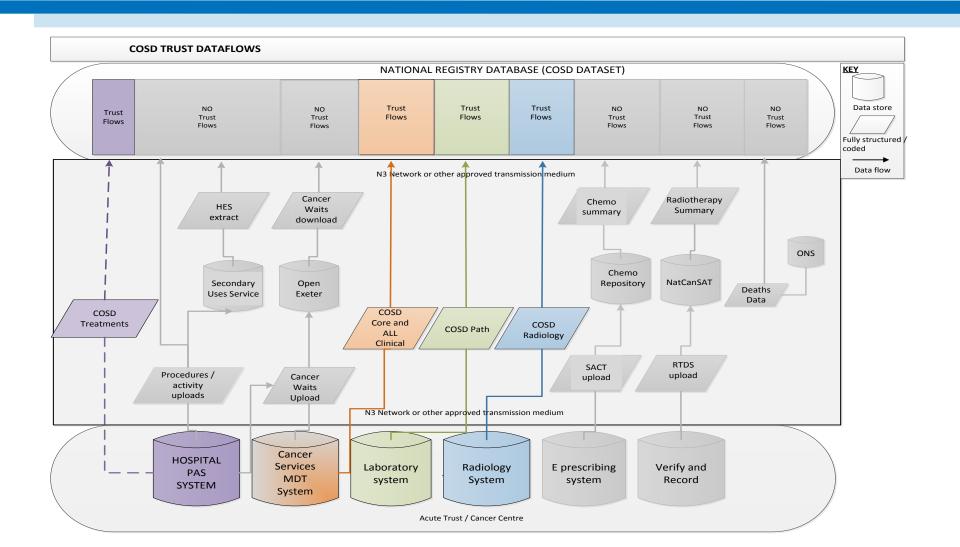
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www.ncin.org.uk



## **Direct Provider data flows**







#### 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
  - Leaflet available from:

www.orderline.dh.gov.uk/ecom dh/public/home.jsf ACR078 About Cancer Registration

About cancer registration