



**NHS**

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**The National Lung Cancer Audit**

# National Lung Cancer Audit (NLCA)

## An Update

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# Structure

- Sponsored by the Healthcare Quality Improvement Partnership (HQIP)
- Run by the NHS Information Centre (The IC) in partnership with the Royal College of Physicians (RCP)
- Steering provided by Clinical reference group – membership include representatives from most professional groups involved in lung cancer care
- Has full ECC approval.

# Background

- 112 data fields (under review)
- Database piloted in 2003
- Phased rollout throughout 2004
- First full report 2005
- Annual reports produced every year (most recent 2009 (2008 data))
- Quarterly updates provided to Networks for dissemination to users
- Comprehensive package of on-line reports, and data downloads available to users with a NLCA login
- Over 105,000 individual patient records stored (England)
- Local action plan tool produced to assist in service improvement

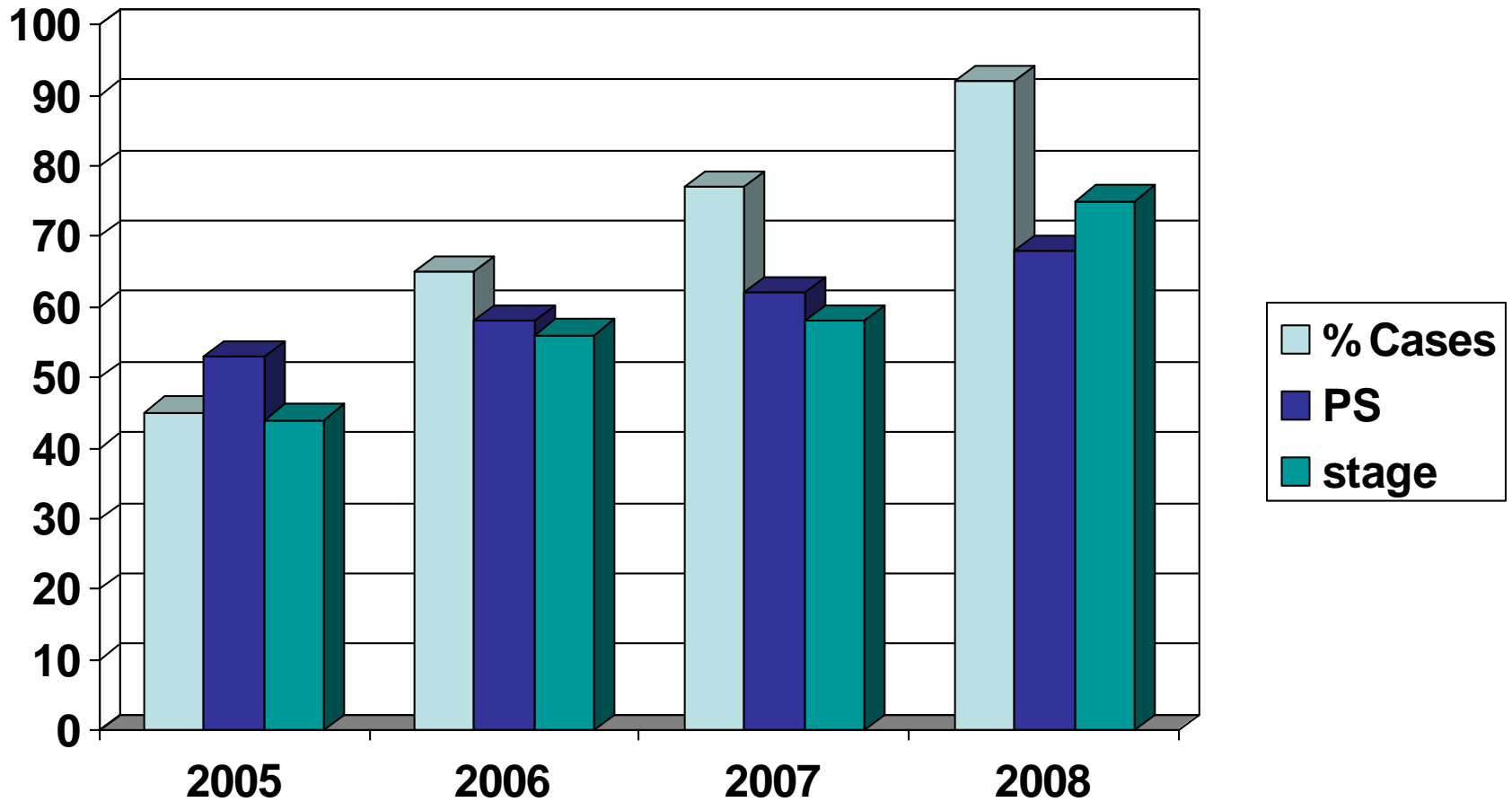
## Coverage (by date first seen)

- 2005 Initially England only via LUCADA database
- 2006 Welsh data (from CANISC) analysed separately alongside English data. Case mix adjustment piloted
- 2007 Welsh data fully integrated, Scottish data analysed separately. Casemix adjusted data published
- 2008 Welsh data fully integrated, Scottish data analysed separately. Casemix adjusted data published. Analysed annual report data will be made available to trusts in excel format
- 2009 Possibility of fully integration Scottish data being investigated(? Inclusion of northern Ireland and Channel Islands)

# Participation

- Every eligible organisation in England, Wales and Scotland has participated in the audit.
- In 2008 only 3 English Trusts and 2 remote Scottish health boards did not participate
- Approximately 94% of cases presenting to secondary care included in the 2008 cohort

# Improvement in Data Quality



# Data Quality 2008 (E&W)

Data Field	Data completeness (percent)
MDT	92.1
Stage and PS	59.0
Treatment	82.0
Seen Nurse Specialist	57.3
CT field	85.2
Bronchoscopy	71.2



# Outcomes 2008 (E&W)

Measure	Result (percent) (n)	Trust IQ ranges (percent)
Discussed at MDT	89.0 (n=27,815)	84.3 – 97.8
Histological diagnosis	72.2 (n=27,815)	66.6 – 82.1
Seen by nurse specialist	51.3 (n=27,815)	6.7 – 80.3
Having active treatment	54.0 (n=27,815)	43.9 – 61.6
CT before bronchoscopy.	76.0 (n=27,815)	64.5 – 87.0
Surgery (all NSCLC)	10.7 (n=23,366)	5.9 – 13.6
Radiotherapy	25.3 (n=27,815)	13.8 – 33.0
Small cell receiving chemo	62.2 (n=2,909)	45.2 – 74.9
Stage IIIB/IV PS 0/1 NSCLC receiving chemo	47.9 (n=3,985)	35.0 – 62.5

# Recommendations from the audit – Basics

- All trusts should participate in the audit
- Data should be sent on all patients diagnosed with lung cancer or mesothelioma
- All relevant data fields should be completed for each patient
- Actual data completeness should exceed 80% for key fields (95% for MDT)

## Recommendations - process

- 95 % of cases discussed at MDT meeting
- 75 % Histological confirmation rate
- 80% of patients seen by LCNS
- 80% of patients have LCNS present at diagnosis

## Recommendations to review service

- if surgical resection rate is <11%
- If anti cancer treatment rate is <54%
- Chemotherapy for NSCLC is <62%
- Chemo rates for NSCLC stage IIIB/ IV PS0/1 <48%
- CT prior to bronchoscopy is <90%

## Future developments

- Key data including case-mix adjusted data available in excel format (planned spring 2010)
- Upgrade to UICC 7



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