



Appendix 4: National Lung Cancer Audit (NLCA) 2014 results for 19 trusts that submitted data via the Cancer Outcomes and Services Dataset (COSD)

June 2016

Background

In late 2014, the contract for the National Lung Cancer Audit (NLCA) was awarded to the Royal College of Physicians (RCP) for England and Wales. The National Cancer Registration and Analysis Service (NCRAS) at Public Health England (PHE) is now responsible for collecting and processing the data from trusts using the Cancer Outcomes and Services Dataset (COSD) and for linking them to additional cancer datasets. This system of using cancer registry data replaces the previous bespoke lung cancer dataset submitted by trusts via a webportal (LUCADA). Analysis of the data for England and Wales is provided by the University of Nottingham. More information on the new collection process is available on the NLCA webpages:

www.rcplondon.ac.uk/projects/NLCA.

Due to the transition of the audit in 2015, a decision was made to publish data for the majority of trusts in England that submitted data via LUCADA in the 2015 annual report. Further time was needed to analyse and publish the results for the 19 trusts that submitted data via the new COSD system. This appendix provides the results for these 19 trusts.

COSD/registry results

The new process of using cancer registry data is identifying approximately 4,000 cases of lung cancer in England per year that were not previously reported by the NLCA. This will result in some trusts seeing additional cases in their NLCA results.

The NLCA team at the University of Nottingham has analysed the completeness and reliability of the COSD data when compared with the 2014 LUCADA dataset. Key findings are as follows.

- The national cancer registry identified more lung cancer patients than LUCADA with a higher proportion of patients with pathologically confirmed lung cancer.
- The registry data identified more patients who had received surgery, chemotherapy and radiotherapy, but completeness for performance status was not as good.
- For patients who are represented in both databases, there is a high level of agreement between the datasets.
- The initial results have highlighted some issues with identifying the organisation where a patient was first seen.

Given the above, the NLCA team (in collaboration with the Healthcare Quality Improvement Partnership (HQIP), who commission the audit) have agreed to treat these results as pilot data pending the national implementation of cancer registration data for the NLCA, and therefore individual trusts are not identified in this appendix. Each of the 19 trusts will have access to their own complete NLCA 2014 dataset for detailed review, and the NLCA and NCRAS teams will endeavour to work with trusts to produce updated guidance on data definitions and methodology moving forwards.

The 2016 NLCA annual report will see a full transition to the new system of using cancer registry data in England, and will publish registry data by named trusts for all trusts in England alongside those for named health boards in Wales.

For further information, please contact the NLCA team at: NLCA@rcplondon.ac.uk.

Table 1: Measures for English trusts submitting COSD data (2014 data)

Place first seen (anonymised)	Actual number	Discussed at multidisciplinary team (MDT) (%)	Pathological diagnosis (%)	Patient seen by nurse specialist (%)	Anticancer treatment (%)	Non-small-cell lung cancer (NSCLC) having surgery (%)	NSCLC stage IIIB/IV and performance status (PS) 0–1 having chemotherapy (%)	Small-cell lung cancer (SCLC) patients having chemotherapy (%)
A	40	90.0	62.5	0.0	50.0	22.7	41.7	66.7
B	52	96.2	48.1	75.0	36.5	19.0	66.7	50.0
C	101	99.0	77.2	90.1	60.4	19.4	55.6	77.8
D	106	100.0	66.0	87.7	65.1	19.0	33.3	58.3
E	113	96.5	83.2	85.8	60.2	21.8	73.3	38.5
F	133	19.5	91.7	12.8	55.6	39.8	100.0	42.9
G	134	67.2	73.1	4.5	54.5	24.7	-	69.2
H	135	84.4	75.6	0.0	40.0	17.2	54.8	38.5
I	178	71.9	79.8	1.1	58.4	22.3	74.1	60.0
J	188	97.9	73.4	93.1	60.1	25.8	50.8	76.5
K	188	84.0	74.5	46.3	55.9	26.6	36.4	69.0
L	199	93.5	66.8	84.4	54.3	30.9	68.8	75.0
M	200	48.5	85.0	38.5	74.5	35.9	72.7	70.8
N	213	98.1	77.0	79.3	49.8	24.1	41.5	56.7
O	214	95.8	78.0	73.8	52.8	12.9	65.9	52.6
P	277	90.6	74.7	10.1	55.6	24.7	49.3	66.7
Q	286	83.2	61.9	72.0	52.8	23.1	54.8	65.8
R	396	2.0	71.7	0.0	49.7	20.2	0.0	52.4
S	398	94.2	74.9	60.6	68.8	23.2	89.3	70.2