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# Head and neck cancer care: availability and uses of radiotherapy data

Dr Monica Roche, NCIN Head & Neck Cancer Workshop,  
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# Background

- Radiotherapy is a key part of many head and neck cancer treatment plans
- In the 7<sup>th</sup> Head and Neck Cancer Audit (DAHNO) report, fewer patients were reported as having radiotherapy than would be expected
- Is there under-recording of radiotherapy in DAHNO?
- If there is under-recording in DAHNO, does this vary by network and/or by cancer site?
- Can any under-recording be remedied by linkage of data from the Radiotherapy Data Set (RTDS)?



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# Comparison of radiotherapy data in DAHNO with RTDS

- Analysis based on DAHNO data for the period 1<sup>st</sup> Nov 2010 to 31<sup>st</sup> Oct 2011 – England only
- Linked to RTDS data -30 days before and six months after DAHNO diagnosis date
- Analysis repeated for period 1<sup>st</sup> Nov 2010 to 31<sup>st</sup> August 2011 to allow for incomplete radiotherapy data on DAHNO related to diagnoses in the last two months of the audit period
- Omitting the last two months made only a small difference so all results presented for the full year



Proportion of head and neck cancers recorded in DAHNO, diagnosed in the period November 2010 to October 2011 and having radiotherapy treatment, by data source

	Number of tumours	%	Cumulative %
Radiotherapy recorded in DAHNO	2085	32.4	32.4
Radiotherapy recorded on RTDS dataset ONLY	1891	29.3	61.7
No radiotherapy recorded in either dataset	2467	38.3	100.0
DAHNO total	6443	100.0	

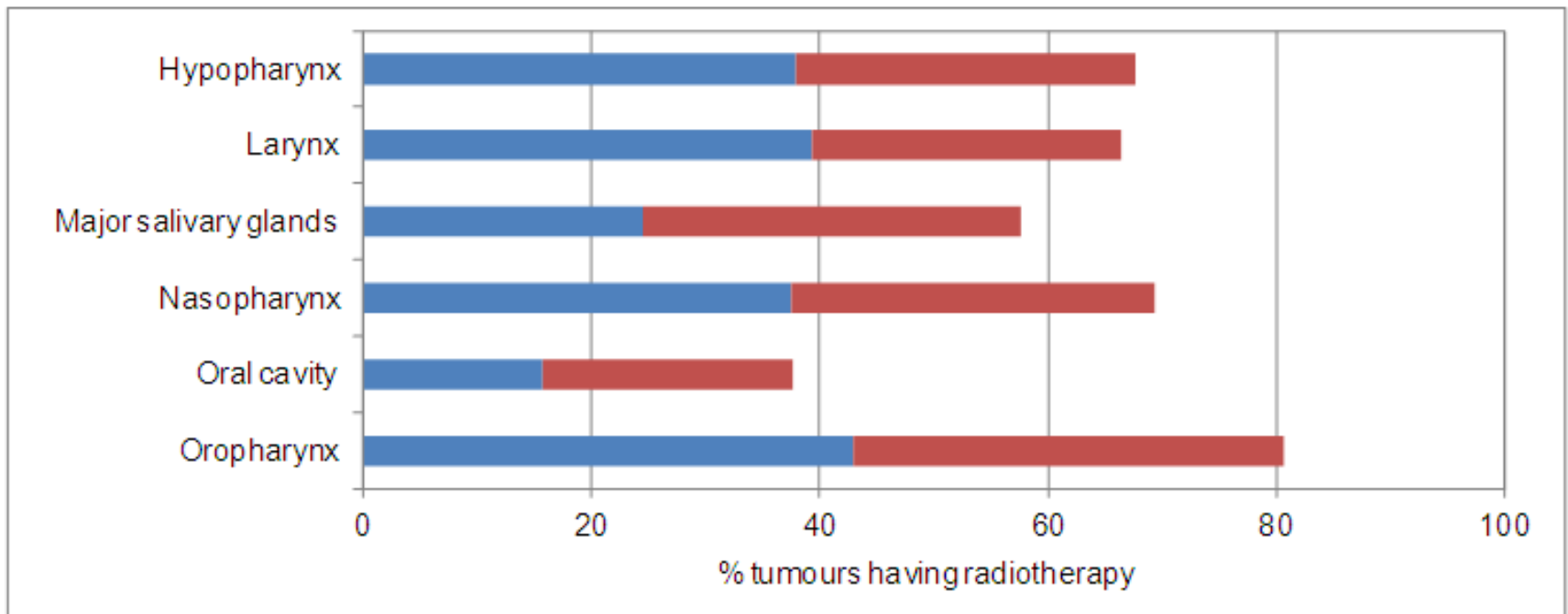


## Proportion of head and neck cancers recorded in DAHNO having radiotherapy treatment, by tumour site group and data source

Tumour site group	Number of tumours in DAHNO dataset	% having radiotherapy treatment in DAHNO	% having radiotherapy treatment RTDS only	% having radiotherapy treatment DAHNO plus RTDS
Hypopharynx	440	38.0	29.8	67.8
Larynx	1667	39.4	27.1	66.5
Major salivary glands	375	24.5	33.1	57.6
Nasopharynx	160	37.5	31.9	69.4
Oral cavity	1913	15.7	22.0	37.7
Oropharynx	1888	42.9	37.7	80.6
England total	6443	32.4	29.3	61.7



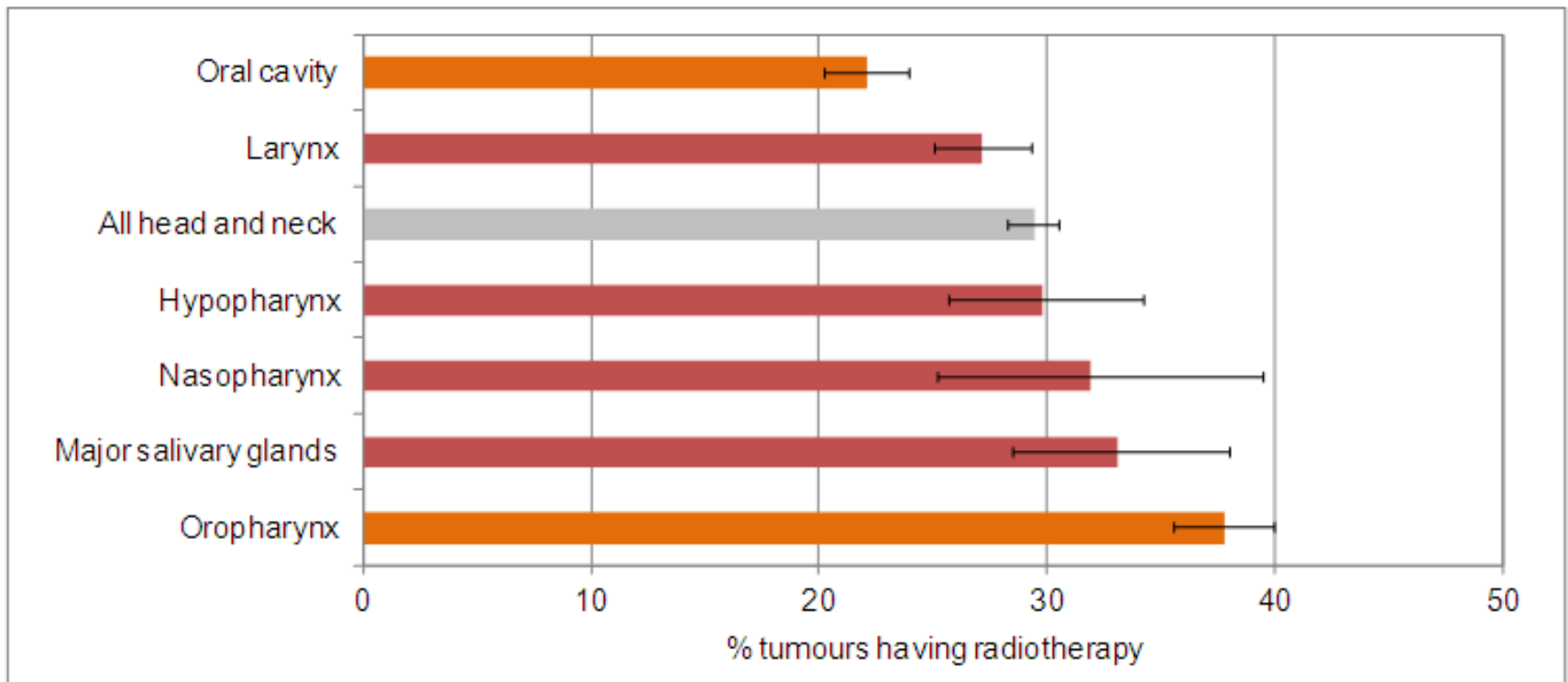
## Proportion of head and neck cancers recorded in DAHNO having radiotherapy treatment, by tumour site group and data source



■ radiotherapy recorded on DAHNO    ■ radiotherapy recorded on RTDS only



## Proportion of head and neck cancers recorded in DAHNO where radiotherapy was recorded on RTDS only, by tumour site group (with 95% confidence intervals)

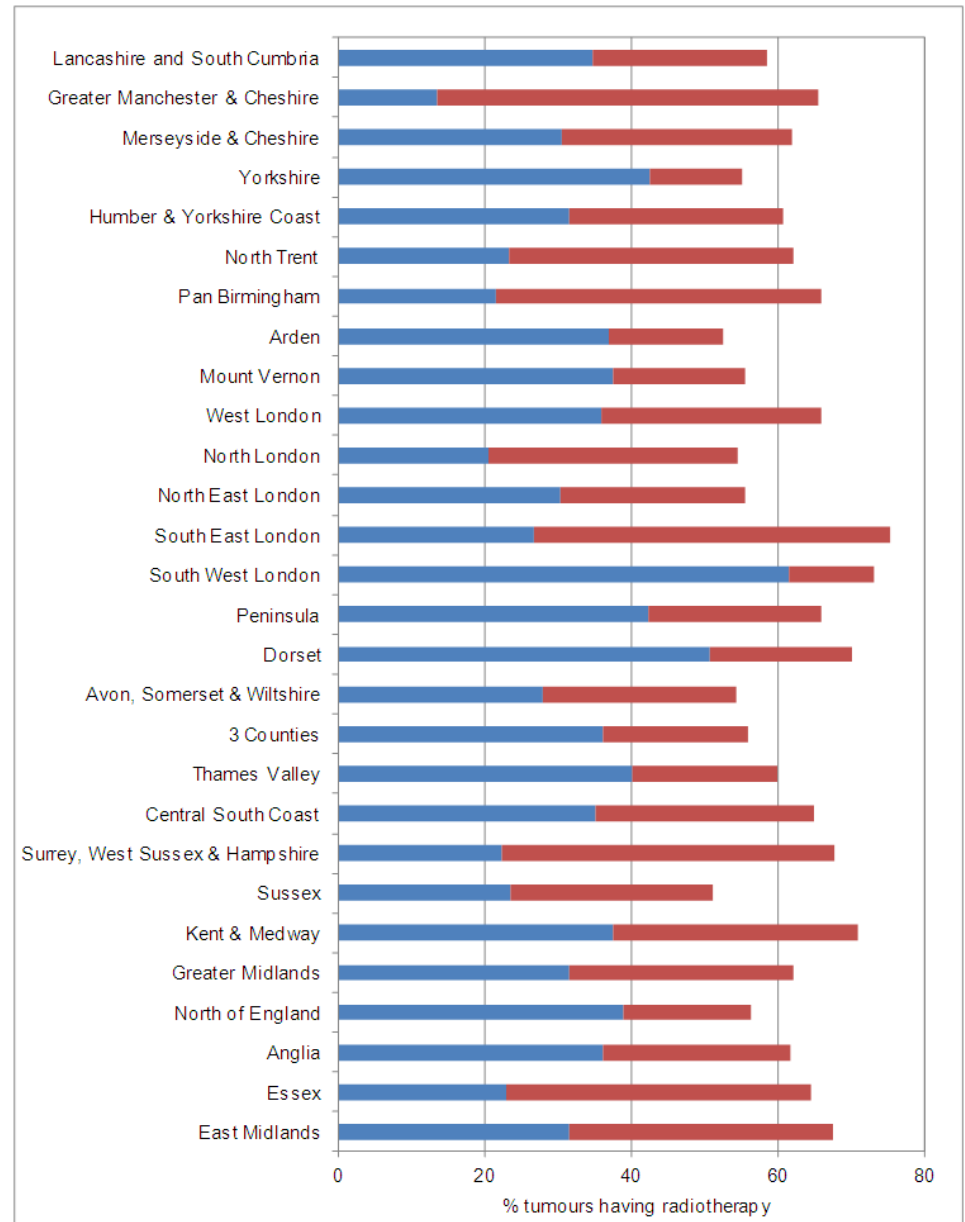


■ Data   ■ Head and neck average   ■ Significantly different to head and neck average



## Proportion of head and neck cancers recorded in DAHNO having radiotherapy treatment, by cancer network and data source

- radiotherapy recorded on DAHNO
- radiotherapy recorded on RTDS only

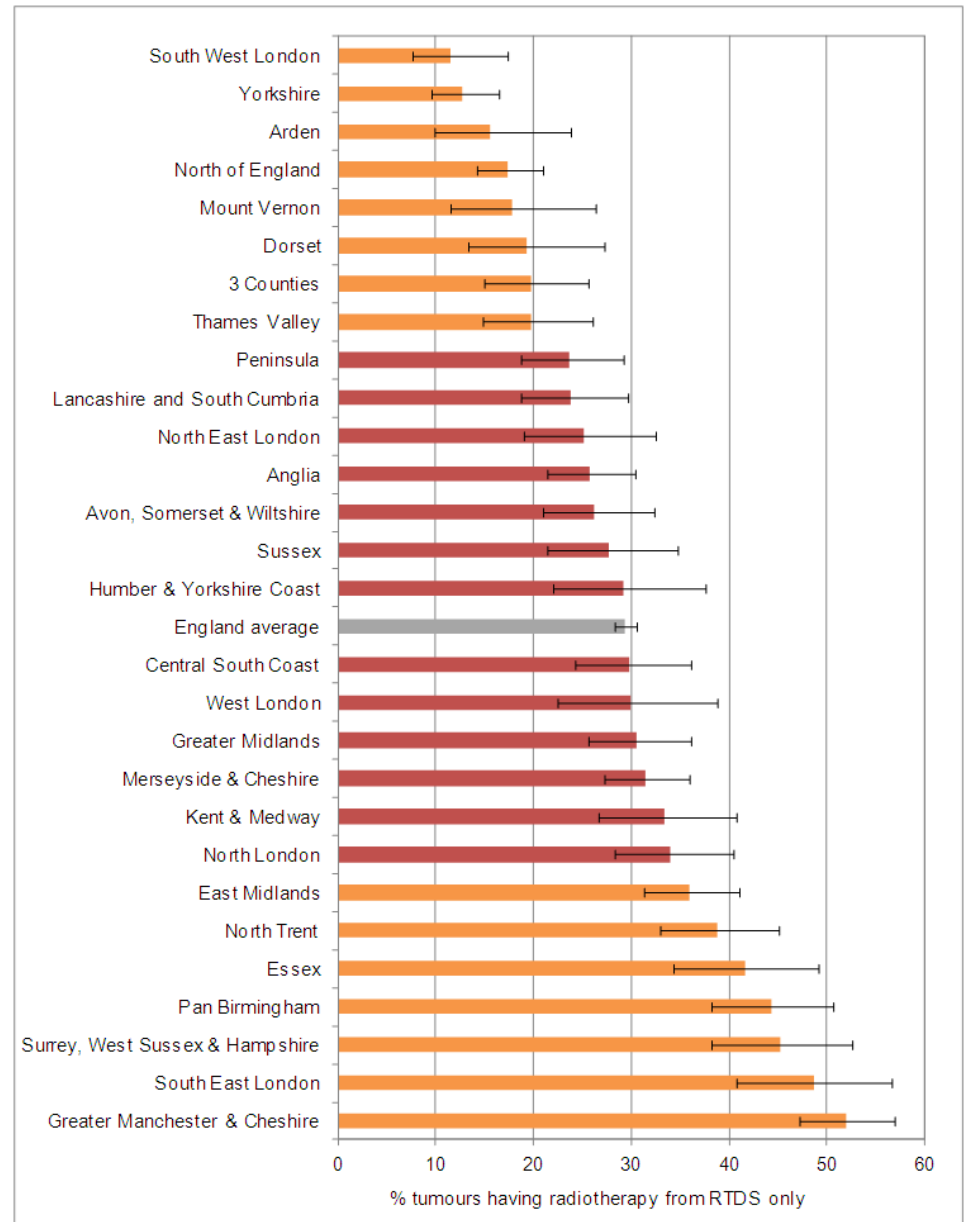






## Proportion of head and neck cancers recorded in DAHNO where radiotherapy was recorded on RTDS only, by cancer network (with 95% confidence intervals)

- Cancer network
- England average
- Significantly different to England average





## Next steps

- Reanalysis of current DAHNO cohort linked to RTDS
- RTDS will be a routine data feed to ENCORE –processed nationally
- Current registry extract of RTDS only covers fact, date and place of radiotherapy
- In near future, registry RTDS extract to include Treatment Summary Record



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# RTDS Treatment Summary Record

RTDS Treatment Summary record will include:

- Treatment modality –teletherapy, brachytherapy
- Treatment intent - from April 2013
- Treatment region
- Actual Dose
- Total attendances
- IMRT flag
- Orthovoltage flag
- Electrons flag



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Thank you

Any questions?



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# Head and neck cancer work programme 2012/13

Head & Neck Cancer SSCRG meeting  
16<sup>th</sup> April 2013



# 2012/13 work programme

- Thyroid cancer –trends by sex, age and histological type –NCIN briefing Nov 2012
- Head & Neck Cancer Hub –launched Dec 2012
- Place of surgery by workload volume before and after publication of IOG – peer reviewed publication planned
- Use of radiotherapy for head and neck cancers -NCIN report April 2013
- Data quality completeness report for head and neck cancer - NCIN report April 2013
- Analytic work supporting 8<sup>th</sup> Annual DAHNO report, including linkage of RTDS to DAHNO



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## 2012/13 work programme -deferred

- Co-morbidity scoping study for head and neck cancers -awaiting release of HES data/co-morbidity to be used with 2010 NCDR which has been delayed due to information governance arrangements needing to be sorted with the IC.
- Epidemiology of salivary gland cancers –deferred till 2013/14





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# Proposals for 2013/14 work programme

- Complex treatment pathways in head and neck cancer care
- Surgical treatment of thyroid cancer
- Updating of Head and Neck Cancer Hub and Head and Neck e Atlas
- Epidemiology and management of salivary gland cancers
- Analysis of co-morbidities in head and neck cancer patients
- NCIN briefing Stage specific survival for patients with cancer of the oral cavity  
-linked to Mouth Cancer Awareness month
- National Head and Neck Cancer Audit