






## National Oesophago – Gastric Cancer Audit

**Selected results from the Third Annual Report**

## NOGCA project team



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## Overview

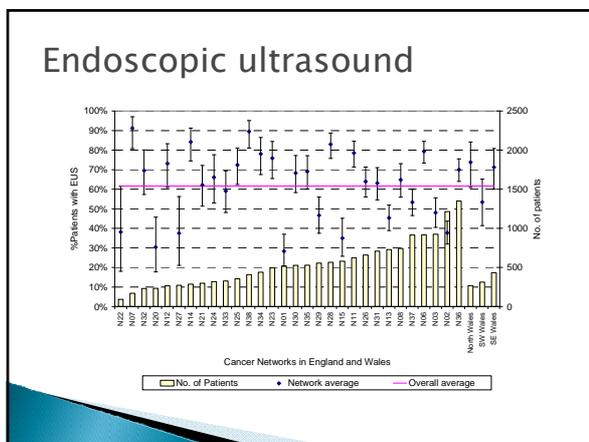
- ▶ Prospective Audit includes
  - Patients diagnosed with invasive epithelial O-G cancer
  - in English and Welsh NHS trusts
  - between 1 October 2007 and 30 June 2009
- ▶ Participation:
  - 152 of 154 English NHS trusts (99%)
    - All 44 cancer centres
  - All Welsh NHS trusts

## Data submitted

Data Record	Number of patients	Case-ascertainment
Tumour details / treatment plan	16,264 Eng	71%
	1,015 Wal	98%
Surgical details (curative intent)	3,803	82%
Post-operative pathology	3,511	
Endoscopic palliative therapy	2,782	
Oncology treatment	3,995 palliative	
	2,830 curative	

## Staging investigations

- ▶ Before deciding on curative treatment:
  - All patients with an oesophageal / junctional tumour should have an endoscopic ultrasound



### Curative surgery

- ▶ The minimum number of lymph nodes required for staging the disease (UICC staging system).
  - Oesophagectomies = at least 6 nodes
  - Gastrectomies = at least 15 nodes
- ▶ Audit found standards met for:
  - 96% of oesophagectomies
  - 75% of gastrectomies

### Outcomes: Oesophagectomy

Outcomes for 2,200 procedures	Rate %	95% CI
30-day	3.8	3.1 - 4.7
90-day	5.7	4.8 - 6.8
Anastomotic leak	8.3	7.2 - 9.6
Chyle leak	3.1	2.4 - 4.0
Respiratory	12.9	11.5 - 14.4

### Outcomes: Gastrectomy

Outcomes For 1412 procedures	Rate %	95% CI
30-day	4.5	3.4 - 5.7
90-day	6.9	5.6 - 8.3
Anastomotic leak	5.9	4.7 - 7.2
Respiratory	7.3	6.0 - 8.8

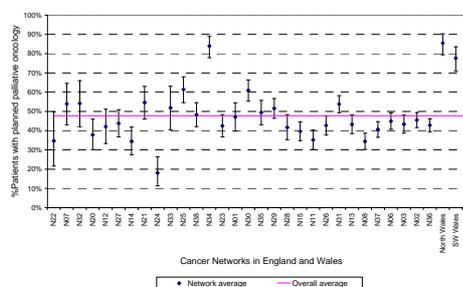
### Min-invasive Oesophagectomy

Complication	Open	MI	Adjusted Odds ratio
30 - Day	4.1	3.2	0.81 (0.44 to 1.46)
90 - Day	5.8	5.5	0.98 (0.65 to 1.45)
Anastomotic leak	7.4	10.5	1.55 (1.11 to 2.18)
Respiratory	13.8	10.8	0.85 (0.56 - 1.30)

### Pathology outcomes

Status	Oesophagectomy % (95% CI)	Gastrectomy % (95% CI)
Positive longitudinal resection margin	6.4 (5.3 - 7.6)	8.9 (7.4 - 10.6)

### Planned Palliative Oncology



## Planned Palliative Oncology

Age group	Performance status				
	0	1	2	3	4
Under 60	82%	78%	62%	47%	27%
60 to 70	83%	75%	57%	27%	12%
70 to 80	72%	60%	46%	16%	8%
80 plus	45%	35%	21%	8%	6%

## Issues for Networks and Trusts

- ▶ Compliance with EUS staging investigations
- ▶ Monitoring of pathology outcomes
  - Adequate lymph node excision
  - Low rates of positive longitudinal margins
- ▶ Cautious introduction of MI surgery
  - Follow AUGIS guidelines
- ▶ Review planning of palliative oncology

## Next National Audit

- ▶ HQIP commissioning next audit
- ▶ Audit will begin in April 2011
- ▶ Similar scope to first Audit
  - Include patients with high-grade dysplasia
  - Capture symptoms on referral
  - Capture slightly more data on palliative care