Conclusions These data shows considerable variation in outcome trend data across England. COPD mortality has improved in most but not all areas over 17 years. Mortality has improved in more PCTs compared to a reduction in bed-days for COPD and readmissions. Readmissions have increased in more PCTs than the other 2 outcome measures. These variations are unexplained and need investigating. Analysis of trend data for outcomes is essential, for providers and commissioners, to identify services that are improving or deteriorating.

Abstract P287 Table 1 Table of number of PCTs with a trend for improving, remaining stable, and deteriorating in three outcome measures over time

Number of PCTs	Mortality	Beddays	Readmissions
Improved	106	38	3
Stable	46	111	122
Deteriorated	0	2	25

P288 A UNIFIED RANKING SYSTEM FOR KEY COPD OUTCOME MEASURES SHOWING VARIATION BETWEEN PCTS AND HOSPITALS-HELPING TO DRIVE CHANGE

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The White Paper "Equity and Excellence. Liberating the NHS" stated that the health service must be focused on outcomes and quality standards that deliver them. INHALE (Interactive Health Atlas for Lung in UK), www.inhale@nhs.uk contains over 70 outcome measures for all the Regions and PCTs in UK. Demonstrating variation in outcomes drives service change. Hospital mortality has been reduced using this methodology. Wright J, Dugdale B, Hammond I et al Learning from death. A hospital mortality reduction programme. JRSMB 2006; 99: 303-308.

Methods Four key outcome measures which reflect hospital, community and primary care of COPD have been selected from INHALE. These are COPD mortality rate per 100,000 PCT population 2008-10, hospital bed-days per 1000 population 2010-11, % hospital readmissions within 28 days for COPD 2010-11, ratio of expected to observed COPD cases over the PCT for 2010-11. An action list of COPD service improvements has been prepared by the EoE Respiratory Team.

Abstract P288 Table 1

PCT	Readmissions within 28 days (%) 2010/11	Mortality 2010	Beddays per 1000 PCT population 2010/11	Ratio of observed: expected COPD prevalence 2010/11	Ranksum	Summary rank
Norfolk	4	2	4	5	11	1
Cambridgeshire	5	4	6	1	11	2
Mid Essex	1	3	2	10	15	2
North East Essex	2	8	5	3	16	4
Suffolk	6	1	3	9	13	5
Hertfordshire	7	7	1	6	14	6
Great Yarmouth and Waveney	10	6	8	4	18	7
South West Essex	3	13	12	2	27	8
West Essex	9	9	9	7	25	9
Bedfordshire	8	12	11	8	31	10
Luton	11	5	13	12	30	11
Peterborough	13	11	7	11	29	12
South East Essex	12	10	9	13	32	13

Results There is considerable variation for each outcome measure across the East of England (EoE). 2.04 fold for mortality, 2.61 fold for bed-days, 1.67 fold for hospital readmissions and 1.56 for Observed/Expected. These measurements have been ranked across the PCTs. The ranking of these 4 outcome measures have been summated and then ranked to give an overall PCT ranking. The Table shows ranking of each outcome measure and unified summated ranking.

Conclusion The wide variation in outcomes across the EoE has been more clearly demonstrated by using a ranking system. An EoE data pack has been produced demonstrating this and includes the overall ranking, bar charts and funnel plots of the outcome measures, a trend analysis of the outcome measures, and the suggested service improvements. This has been circulated to all respiratory consultants, CCG leads, local respiratory networks, and hospital chief executives in the Region. This allows comparisons to be made and helps to drive change. Localities and hospitals have started to draw up service improvements.

P289 FINDING THE MISSING MILLIONS – THE IMPACT OF A LOCALLY ENHANCED SERVICE FOR COPD ON CURRENT AND PROJECTED RATES OF DIAGNOSIS

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Background Chronic obstructive pulmonary disease (COPD) is a common and important condition but there is a considerable gap between the modelled and diagnosed prevalence of the disease.(1) In 2008 a locally enhanced service (LES) for COPD was introduced in our Primary Care Trust (PCT) which included a small financial incentive for GP's to perform spirometry but a larger one where COPD patients were identified and received additional quality items of care including; spirometry and pulse oximetry; smoking cessation; recording of BMI and MRC dyspnoea score; review of inhaler technique; medication review; provision of a COPD rescue pack if appropriate; issuing a self-management plan; influenza and pneumococcal vaccination. In the first year this encouraged GP's to focus case-finding efforts on those most likely to have COPD and led to a significant step up in the diagnosed prevalence.(2)

Methods To evaluate longer term effects we used annual QOF reporting-year data on prevalence of COPD at PCT level from 2005