

Poster sessions

Outcomes COPD Assist was launched in March 2014, then publicised to all Salford's primary care clinicians supported by 5 training seminars with over 70 clinicians attending.

Within 4 months following its launch, COPD assist was downloaded 622 times by different users, with an average use time of 7 min and average of 9 screens viewed per session. 52% of users have used the app more than once.

Feedback was excellent, particularly around ease of use and simplicity.

Conclusions This bespoke smartphone app to support the implementation of local primary care COPD guidelines appears to be widely acceptable to users and could potentially promote these guidelines. However, more research around clinically meaningful outcomes, such as adherence to guidelines and impact on prescribing, is required to assess the true impact of such technology on the management of COPD in primary care.

P29 IMPACT OF RESPIRATORY VIRTUAL CLINICS IN PRIMARY CARE ON RESPONSIBLE RESPIRATORY PRESCRIBING AND INHALED CORTICOSTEROID WITHDRAWAL IN PATIENTS WITH COPD: A FEASIBILITY STUDY

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Introduction There is considerable variation in accuracy of diagnosis and long-term management of COPD in the UK. High rates of inhaled corticosteroid (ICS) prescribing have been reported, raising concerns about their over use, with less focus on high value interventions like stop smoking support/pulmonary rehabilitation. ICS are indicated in severe COPD patients (FEV₁ <50% predicted) with frequent exacerbations (>2 per year). Primary care data from SE London showed that 38% of COPD patients were over treated with high dose ICS, resulting in 12 additional cases of pneumonia, and costs >£500,000, annually. There is limited guidance on methods and feasibility of withdrawing ICS in these patients.

Methods A responsible respiratory prescribing group including CCG medicines management, respiratory pharmacist and integrated respiratory team agreed COPD prescribing guidance across primary/ secondary care. GPs were supported with COPD review templates, written step down protocols and educational events. Virtual clinics with an integrated respiratory consultant/ GP respiratory lead were offered to support ICS withdrawal in primary care.

Abstract P29 Table 1 Outcomes associated with the ICS gradual withdrawal recommendation

| Outcome | Number of patients (n = 198) |
|--|------------------------------|
| ICS successfully stopped | 61 |
| ICS stepped down | 58 |
| Patient due for step down at time of data submission | 33 |
| Patient was not stepped down, but reason not given | 19 |
| Patient asked not to have ICS stopped | 9 |
| Patient did not tolerate lower dose | 9 |
| Patient excluded as no-longer fulfilled inclusion criteria | 7 |
| Patient could not be contacted | 2 |

Results 45/48 (94%) of CCG practices took part. Data from 372 patients on COPD registers reviewed over 25 virtual clinics is presented. 321 (86%) patients had confirmed COPD (including 33 with COPD and asthma), 34 had asthma, 15 needed more spirometry and 2 had another diagnosis. 279/321 (87%) patients had a recommendation made: 64 (23%) referred for PR, 53 (19%) for spirometry, and 45 (16%) for smoking cessation. Changes to drug therapies were also recommended: 42 (15%) patients had a LAMA recommended, 16 (5%) a LABA, and while 117/321 COPD patients (37%) required no change to ICS therapy, a graduated step down/stop was suggested for 198 (63%). The outcomes associated with this are in Table 1.

Overall, from Q4 13/14 prescribing data, there was a 4% decrease in high dose ICS (as proportion of total ICS use) resulting in a saving of £50,000.

Conclusion Integrated working through respiratory virtual clinics offers hugescop to improve high value care for COPD patients. Overuse of ICS in COPD is common and GP-led withdrawal of high dose ICS where appropriate is feasible, acceptable and well tolerated by patients.

P30 USE OF A REGIONAL COPD DASHBOARD TO EFFECT LARGE SCALE CHANGE J CONGLETON, J WOOKEY, J BOTT KSS AHSN RESPIRATORY PROGRAMME

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Large scale change is difficult to bring about. The regional Respiratory Programme began in 2011 with the aim of improving outcomes in COPD and asthma. We designed a COPD dashboard with key metrics aiming to track progress and encourage involvement in service improvement. The Quality Observatory maintain the dashboard and release quarterly updates which we email out to our network members and other key people (n = 396) accompanied by commentary indicating issues for consideration and highlighting trends. The target audience includes clinicians in primary, secondary and community care plus managers and commissioners. This work is supplemented by running oxygen and pulmonary rehabilitation clinical networks which provide support and training to clinicians plus a quarterly educational and information sharing epublication 'Breathing Matters'. We track trends in metrics. COPD bed days are a key outcome measure and the table below shows the yearly value since the program commenced.

Looking at the admission figures on a population basis i.e. admissions per 1,000 COPD population (population weighted for prevalence of COPD using ERPHO modelled estimates and projections) there is a similar trend:

County 1 2010/11 17.9 per 1000 vs 13.2 per 1000 in 2013/14

County 2 2010/11: 12.5 per 1000 vs 10.3 per 1000 in 2013/14

County 3 2010/11: 15.8 per 1000 vs 13.8 per 1000 2013/14

Abstract P30 Table 1

| | County 1 | County 2 | County 3 | Total |
|---------|----------|----------|----------|--------|
| 2010/11 | 24,788 | 17,976 | 11,596 | 54,360 |
| 2011/12 | 22,272 | 16,764 | 11,888 | 50,924 |
| 2012/13 | 23,884 | 16,996 | 11,912 | 52,792 |
| 2013/14 | 20,820 | 14,300 | 10,380 | 45,500 |