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Caring Together for People with Chronic Obstructive Pulmonary Disease

18 November 2016
Project - Pre Launch Workshop
Caudalure to Canterbury (CC) 2017
4 out of 5 arriving by ambulance
1 in 4 being readmitted within 28 days
5,952 bed days (two wards in winter)
1,256 admissions (3.5 per day)

Why COPD?

635 rest home beds lost
Lost/damaged
19 community pharmacies and five General practices
106 hospital beds have been closed

Earthquake issues....
Diabetes hospital admission rates

OECD

5.2.1 Uncontrolled diabetes hospital admission rates, population aged 15 and over, 2009 (or nearest year)
OECD COPD Hospital Admission Rates

Source: OECD Health Data 2011

Note: Data are age-standardized to 2000 OECD population 65% confidence intervals are represented by 1.

5.1.2 COPD Hospital admission rates, population aged 15 and over, 2009 (or nearest year)
The Tsunami of COPD

- It's not about the physiology......
- All these people in hospital are there because there are more people out there, all getting worse.
- We need more beds to cope
- People come to hospital with COPD after hours
Plans
Severe Respiratory Disease, Palliative Care, Advance Care
Frequent attendees to hospital
Management of exacerbations and admission avoidance
Management of stable COPD in primary care
Case finding and early diagnosis
Prevention
<table>
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<tr>
<th><strong>Recommendation</strong></th>
<th><strong>Other</strong></th>
<th><strong>Oxygen saturations</strong></th>
<th><strong>Respiratory Rate</strong></th>
<th><strong>Temperature</strong></th>
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- **Mild**
  - Oxygen saturations: Within 5% of known CO2a
  - Respiratory Rate: ≤20
  - Temperature: Afebrile
  - Talking: No difficulty
  - Signs or symptoms: No abnormalities

- **Moderate** (A1/A2)
  - Oxygen saturations: Below 88%
  - Respiratory Rate: 21-30
  - Temperature: Afebrile or low-grade fever
  - Talking: Some difficulty
  - Signs or symptoms: Gastrointestinal discomfort

- **Emergency** (A1/A2)
  - Oxygen saturations: ≤90%
  - Respiratory Rate: >30
  - Temperature: Moderate to high-grade fever
  - Talking: Severe difficulty
  - Signs or symptoms: Cardiac arrhythmia, sepsis, any of Respiratory Arrt

- **A1** if any one symptom
- **A2** if any other symptom
Result: Over 270 patients were referred in 2014 (>93%) from General Practice compared to <3% before the programme.

Community Pulmonary Rehabilitation Programmes have now been established throughout Canterbury since 2009.

Result: 11 approved community providers in Canterbury have performed over 3,200 spirometry tests since 2009.

Supporting General Practice teams to provide preventative care and access to secondary care specialists in the community to enable laboratory-quality early diagnoses.