



Effective Health Care Therapies for Chronic Obstructive Pulmonary Disease (COPD) Nomination Summary Document

Results of Topic Selection Process & Next Steps

- This topic was found to be addressed by the following: 1) an existing review titled *Management of stable chronic obstructive pulmonary disease: a systematic review for a clinical practice guideline* by the AHRQ Evidence-Based Practice Center (EPC) Program, 2) guidelines from the American College of Physicians titled *Diagnosis and Management of Stable Chronic Obstructive Pulmonary Disease*, 3) guidelines from the Global Initiative for Chronic Obstructive Lung Disease titled *Global Strategy for the Diagnosis, Management, and Prevention of Chronic Obstructive Pulmonary Disease*, and 4) ongoing work by the COPD Outcomes-based Network for Effectiveness & Research Translation (CONCERT). Given that the existing report, guidelines, and ongoing work cover this nomination, no further activity will be undertaken on this topic.
 - Wilt TJ, Niewoehner D, MacDonald R, Kane RL. Management of stable chronic obstructive pulmonary disease: a systematic review for a clinical practice guideline. *Ann Intern Med*. 2007;147:639-53. <http://www.annals.org/cgi/reprint/147/9/639.pdf>
 - Qaseem A, Snow V, Shekelle P, Sherif K, Wilt TJ, Weinberger S, Owens DK; Clinical Efficacy Assessment Subcommittee of the American College of Physicians. Diagnosis and management of stable chronic obstructive pulmonary disease: a clinical practice guideline from the American College of Physicians. *Ann Intern Med*. 2007 Nov 6;147(9):633-8. <http://www.annals.org/cgi/reprint/147/9/633.pdf>
 - Global Initiative for Chronic Obstructive Lung Disease (GOLD). Global Strategy for the Diagnosis, Management, and Prevention of Chronic Obstructive Pulmonary Disease. Global Initiative for Chronic Obstructive Lung Disease; 2007. <http://www.goldcopd.com/Guidelineitem.asp?l1=2&l2=1&intId=2003>
 - COPD Outcomes-based Network for Clinical Effectiveness & Research Translation (CONCERT) <https://www.kpchr.org/concert/public/index.aspx?pageid=1>

Topic Description

Nominator: Individual

Nomination Summary: The nominator is interested in the clinical effectiveness of therapies for COPD (chronic obstructive pulmonary disease).

Population(s): patients with COPD or lung disease

Interventions(s): drugs, devices, and other treatments for COPD

Comparator(s): usual standard of care

Outcome(s): improvements in health outcomes such as functional status, quality of life, frequency of hospitalization, and reduction in dyspnea

Key Questions from Nominator:

1. What is the clinical effectiveness of treatment strategies identified as efficacious in clinical trials of COPD?
2. What are the best ways to translate this clinical efficacy information into better care for patients with COPD?

Considerations

- The topic meets EHC Program appropriateness and importance criteria. (For more information, see <http://effectivehealthcare.ahrq.gov/index.cfm/submit-a-suggestion-for-research/how-are-research-topics-chosen/>.)
- This topic was found to be addressed by one report, two guidelines, and ongoing work.
 - An existing review titled *Management of stable chronic obstructive pulmonary disease: a systematic review for a clinical practice guideline*. The key questions include:
 1. Which inhaled therapies are effective for treatment and maintenance of stable COPD?
 2. When should clinicians consider pulmonary rehabilitation and disease management?
 3. When should clinicians prescribe oxygen therapy?
 4. Should clinicians base treatment decisions on spirometric results, symptoms, or both?
 - Guidelines from the American College of Physicians titled *Diagnosis and Management of Stable Chronic Obstructive Pulmonary Disease*. The key questions include:
 1. What is the value of clinical examination for prediction of airflow obstruction (AO)?
 2. What is the incremental value of spirometry for case finding and diagnosis of adults who are COPD treatment candidates?
 3. What management strategies are effective for the treatment for COPD (inhaled therapies, pulmonary rehabilitation programs, and supplemental long-term oxygen therapy)?
 - Guidelines from the Global Initiative for Chronic Obstructive Lung Disease titled *Global Strategy for the Diagnosis, Management, and Prevention of Chronic Obstructive Pulmonary Disease*. The key questions that will guide the 2009 update include:
 1. Should glucocorticosteroids and long-acting beta-agonist in one inhaler vs inhaled long-acting beta-agonist alone be used in patients with moderate or severe chronic obstructive pulmonary disease?
 2. Should glucocorticosteroid and long-acting beta-agonist in one inhaler vs no treatment be used for moderate and severe chronic obstructive pulmonary disease?
 3. Should glucocorticosteroid and long-acting beta-agonist in one inhaler vs inhaled steroids alone be used in patients with moderate and severe chronic obstructive pulmonary disease?
 - Ongoing work by the COPD Outcomes-based Network for Effectiveness & Research Translation (CONCERT). See website for current research and conference activities by CONCERT.