

11 Appendix A. Details of questions and literature searches

Reference made to the Cochrane Library in the table below is inclusive of the following; Cochrane Systematic Reviews database, CENTRAL and DARE. The Cochrane Systematic Reviews database contains items that are constantly updated. CENTRAL contains items resulting from searches performed in the process of creating Cochrane Systematic Reviews and goes back as far as the Cochrane searches to date. The DARE database was set up by the NHS Centre for Reviews and Dissemination in 1994. It does, however, include records that have an earlier publication date. For example, it contains a set of records from a systematic reviews database maintained by the UK Cochrane Centre prior to 1995. This set of records is no longer updated and have not been assessed by the NHS CRD.

The methodology for expert review is described under section 2.4.1.

Chronic Obstructive Pulmonary Disease: National clinical guideline on management of chronic obstructive pulmonary disease in adults in primary and secondary care

Appendix A. Details of questions and literature searches			
Question	Population	Study Type	Database and Years
Q1 What is a useful, robust definition of COPD?			Expert Review
Q2 Must the definition of COPD include the presence of airflow obstruction?			
Q3 Must the definition of COPD include reversibility criteria?			
Q4 Must the definition of COPD discuss causation and pathophysiology?			
Q5 What is the current and future burden of COPD in England & Wales?			Expert Review
Q6 Can COPD be detected before the onset of symptoms?			Expert Review
Q7 What factors can be used to identify patients opportunistically as being at risk of having COPD?			
Q8 What methods can be used to confirm the diagnosis in patients identified opportunistically as being at risk of having COPD?			
Q9 Question removed.			
Q10 Does early diagnosis of COPD affect the success of smoking cessation therapy?			Expert Review
Q11 What are the aims of COPD management?			Expert Review
Q12 What symptoms are suggestive of a diagnosis of COPD?			Expert Review
Q13 What other conditions may present with similar symptoms/signs/results?			
Q14 In patients with suspected COPD, what are the most effective diagnostic criteria?			Expert Review
Q15 What clinical signs are useful (confirm or refute the diagnosis) in stable COPD?			Expert Review
Q16 What are the most appropriate tests in a patient with suspected COPD to confirm the diagnosis?			Expert Review
Q17 What is the role of spirometry in the diagnosis of COPD?	COPD	All study types	Cochrane Library Medline 1966-2003 Medline 1966-2003 Embase 1980-2003 CINAHL 1982-2003
Q18 Where and by whom should spirometry be performed in order to maximise reliable and valid test result outcomes?			

continued

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Question	Population	Study Type	Database and Years	
Q19 What is the role of reversibility testing in the diagnosis of COPD?	COPD	All study types	Cochrane Library Medline Embase CINAHL 1966-2003 1980-2003 1982-2003	
Q20 What is the role of reversibility testing in the prediction of response to COPD drugs			Expert Review	
Q21 What is the role of other lung function tests in the diagnosis of COPD? (IRC, T _{LCO} ,KCO, Lung Volumes)			Expert Review	
Q22 How should the severity of stable COPD be assessed?			Expert Review	
Q23 In patients with stable COPD, how should the (initial) management plan be determined?			Expert Review	
Q24 Which patients with stable COPD should be referred for specialist advice?	Stable COPD Exclude asthma	Systematic Reviews RCT Cohort	Cochrane Library Medline Embase CINAHL AMED 1966-2003 1980-2003 1982-2003 1985-2003	
Q25 Which patients with stable COPD should be referred for an oxygen assessment?			Expert Review	
Q26 What is the most appropriate smoking cessation strategy in patients with stable	COPD Exclude asthma	Systematic Reviews RCTs Cohorts	Cochrane Library Medline Embase CINAHL PsycINFO AMED 1966-2003 1980-2003 1982-2003 1887-2003 1985-2003	
Q27 What drug therapy is effective (reduces morbidity or mortality in) for patients with stable COPD?	This is not a question in its own right but merely a heading for questions 28-57			
Q28 Which patients with stable COPD should be treated with short-acting inhaled bronchodilators?	This is not a question in its own right but merely a heading for questions 29 and 30			
				<i>continued</i>

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Appendix A. Details of questions and literature searches				
Question	Population	Study Type	Database and Years	
Q29 Which patients with stable COPD should be treated with short-acting beta ₂ -agonists?	COPD Exclude asthma	Systematic Reviews RCTs	Cochrane Library Medline Embase 1966-2003 1980-2003	
Q30 Which patients with stable COPD should be treated with short-acting anticholinergics?	COPD Exclude asthma	Systematic Reviews RCTs	Cochrane Library Medline Embase 1966-2003 1980-2003	
Q31 How should the effects of this treatment be assessed?	This question was included in the searches for Q29 and Q30			
Q32 Which patients with stable COPD should be treated with long-acting inhaled bronchodilators?	This is not a question in its own right but merely a heading for questions 33 and 34.			
Q33 Which patients with stable COPD should be treated with long-acting beta ₂ -agonists?	COPD Exclude asthma	Systematic Reviews RCTs	Cochrane Library Medline Embase 1966-2003 1980-2003	
Q34 Which patients with stable COPD should be treated with long-acting anticholinergics?	COPD Exclude asthma	Systematic Reviews RCTs	Cochrane Library Medline Embase 1966-2003 1980-2003	
Q35 How should the effects of this treatment be assessed?	This question was included in the searches for Q33 and Q34			
Q36 Which patients with stable COPD should be treated with methylxanthines/ PDE4 inhibitors?	Stable COPD Exclude asthma	Systematic Reviews RCTs	Cochrane Library Medline Embase 1966-2003 1980-2003	
Q37 How should the effects of this treatment be assessed?				
Q38 & Q39 Questions removed.				
Q40 Which patients with stable COPD should be treated with inhaled steroids?	COPD Exclude asthma	Systematic Reviews RCTs	Cochrane Library Medline Embase 1966-2003 1980-2003	
Q41 How should the effects of this treatment be assessed?				
				<i>continued</i>

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Question	Population	Study Type	Database and Years	
Q42 Which patients with stable COPD should be treated with oral steroids?	COPD Exclude asthma	Systematic Reviews RCTs	Cochrane Library Medline Embase 1966-2003 1980-2003	
Q43 How should the effects of this treatment be assessed?				
Q44 What is the role of combination therapy in patients with stable COPD?	Stable COPD Exclude asthma	Systematic Reviews RCTs	Cochrane Library Medline Embase 1966-2003 1980-2003	
Q45 How should the effects of this treatment be assessed?				
Q46 What are the most appropriate delivery systems for giving inhaled therapy to patients with stable COPD?	Stable COPD Exclude asthma except in elderly patients	Systematic Reviews RCTs	Cochrane Library Medline Embase CINAHL 1980-2003 980-2003 1980-2003 1982-2003	
Q47 Which patients with stable COPD benefit from nebulised therapy compared to other delivery mechanisms?				
Q48 What is the role of mucolytic therapy in patients with stable COPD?	Stable COPD Exclude asthma	Systematic Reviews RCTs Cohorts	Cochrane Library Medline Embase 1966-2003 1980-2003	
Q49 In patients with stable COPD, what is the comparative efficacy of mucolytic therapy?				
Q50 In patients with stable COPD, does mucolytic therapy reduce morbidity?				
Q51 What is the role of antioxidant therapy in patients with stable COPD?	Stable COPD	Systematic Reviews RCTs	Cochrane Library Medline Embase AMED 1966-2003 1980-2003 1985-2003	
Q52 In patients with stable COPD, what is the comparative efficacy of antioxidant therapy?	Exclude asthma			
Q53 In patients with stable COPD, does antioxidant therapy reduce morbidity?				
				<i>continued</i>

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Appendix A. Details of questions and literature searches				
Question	Population	Study Type	Database and Years	
Q54 What is the role of antitussive therapy in patients with stable COPD?	Stable COPD Exclude asthma	All	Cochrane Library Medline Embase 1966-2003 1980-2003	
Q55 In patients with stable COPD, what is the comparative efficacy of antitussive therapy?				
Q56 In patients with stable COPD, does antitussive therapy reduce morbidity?				
Q57 What is the role of α 1-antitrypsin replacement therapy in patients with stable COPD?	Stable COPD Exclude asthma	All	Cochrane Library Medline Embase 1966-2003 1980-2003	
Q58 What is the role of antibiotic therapy in patients with stable COPD?	Stable COPD Exclude asthma	Systematic Reviews RCTS Cohorts	Cochrane Library Medline Embase 1966-2003 1980-2003	
Q59 What are the benefits of pulmonary rehabilitation programmes for patients with stable COPD?	Stable COPD Include asthma	Systematic Reviews RCTS	Cochrane Library Medline Embase CINAHL AMED 1966-2003 1980-2003 1982-2003 1985-2003	
Q60 In stable COPD patients referred for pulmonary rehabilitation programmes, what is the optimal course content, setting & duration?				
Q61 Which patients with stable COPD should be referred for pulmonary rehabilitation and when?				
Q62 In patients with stable COPD, are there benefits in repeated pulmonary rehabilitation attendances?				
Q63 In patients with stable COPD how can right heart failure / chronic salt and water retention be identified?				Expert Review
Q64 In patients with stable COPD what therapies can be used to manage right heart failure / chronic salt and water retention?				
				<i>continued</i>

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Question	Population	Study Type	Database and Years	
Q65 In patients with stable COPD how can pulmonary hypertension be identified?			Expert Review	
Q66 In patients with stable COPD what therapies can be used to manage pulmonary hypertension?				
Q67 Main Stem Question How are patients with stable COPD affected by anxiety and/or depression?	COPD Include asthma	Systematic Reviews RCTs Cohorts	Cochrane Library 1980-2003 Medline 1966-2003 Embase 1980-2003 CINAHL 1982-2003 PsycINFO	
Q68 In patients with stable COPD, how can anxiety and depression be identified?				
Q69 How can anxiety and depression in stable COPD patients be managed? (Pharmacological & non-pharmacological)				
Q70 What is the significance of nutritional problems in both stable and acute exacerbations of COPD?	COPD Exclude asthma	Systematic Reviews RCTs	Cochrane Library 1980-2003 Medline 1966-2003 Embase 1980-2003 CINAHL 1982-2003 PsycINFO 1980-2003	
Q71 In patients with stable COPD, how can nutritional problems be identified?				
Q72 In patients with stable COPD, how can nutritional problems be managed?				
Q73 Do self-management plans & patient education affect concordance with treatment and improve outcomes in patients with stable COPD?	COPD Exclude asthma	All study types	Cochrane Library 1980-2003 Medline 1966-2003 Embase 1980-2003 CINAHL 1982-2003 PsycINFO 1987-2003	
Q74 What is the role of oxygen therapy in patients with stable COPD?			Expert Review	
Q75 In patients with stable COPD, what is the best method of oxygen supply?				
Q76 In patients with stable COPD, what are the benefits of short burst oxygen?				
Q77 In patients with stable COPD, what are the benefits of portable oxygen?				<i>continued</i>

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Question	Population	Study Type	Database and Years	
Q78 In patients with stable COPD, what are the criteria for continuous oxygen therapy?				
Q79 What is the role of immunisation in patients with stable COPD?	COPD Exclude asthma	Systematic Reviews RCTs	Cochrane Library Medline Embase 1966-2003 1980-2003	
Q80 What is the role of non-invasive ventilation in patients with stable COPD?	Stable COPD Exclude asthma	Systematic Reviews RCTs	Cochrane Library Medline Embase 1980-2003 1980-2003 1980-2003	
Q81 What management strategies can be used to provide palliative care in the end stages of COPD?	COPD Exclude asthma	All study types	Cochrane Library Medline Embase CINAHL 1966-2003 1980-2003 1982-2003	
Q82 How should the long term care of patients with stable COPD be organised in order to maximise patient outcomes?				Expert Review
Q83 Where (Primary care versus secondary care) should the long term care of patients with stable COPD be organised in order to maximise patient outcomes?				
Q84 How often should the long term care of patients with stable COPD be reviewed in order to maximise patient outcomes?				
Q85 In patients with stable COPD, what is the role of respiratory nurse specialists?				Expert Review
Q86 What is the role of respiratory physiotherapy in the management of patients with stable COPD?	Stable COPD Exclude asthma	Systematic Reviews RCTs	Cochrane Library Medline Embase CINAHL 1966-2003 1980-2003 1982-2003	
Q87 What is the role of lung surgery in patients with stable COPD?				Expert Review
Q88 In patients with stable COPD, what is the operation of choice (bullectomy, lung volume reduction, transplantation) in reducing morbidity or mortality?				
Q89 In patients with stable COPD, what are the referral criteria for lung surgery?				
				<i>continued</i>

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Question	Population	Study Type	Database and Years	
Q90 What is a robust and useful definition of an exacerbation of COPD?			Expert Review	
Q91 What symptoms are suggestive of an exacerbation of COPD?			Expert Review	
Q92 What other conditions present with similar symptoms?			Expert Review	
Q93 What are the factors known to cause exacerbations of COPD?			Expert Review	
Q94 What is known about the consequences (short & long term outcome impact) of having an exacerbation (chest episodes, infective episodes) of COPD?			Expert Review	
Q95 What clinical signs are useful (confirm or refute) in making a diagnosis and assessing the severity of an exacerbation of COPD?			Expert Review	
Q96 What are the most appropriate tests in a patient with suspected exacerbation of COPD?			Expert Review	
Q97 What are the most appropriate tests to confirm the diagnosis of an exacerbation of COPD?				
Q98 What are the most appropriate tests to assist in the management of an exacerbation of COPD?				
Q99 In patients with an exacerbation of COPD, what are the most appropriate tests to assess severity?				
Q100 In patients with an exacerbation of COPD, what are the most appropriate tests to monitor recovery?				
Q101 Which patients with an exacerbation of COPD benefit from admission to hospital?	COPD Exacerbations Exclude asthma	Systematic Reviews RCTs Cohorts	Cochrane Library Medline Embase 1966-2003 1980-2003	
Q102 What is the role (reduction of morbidity or mortality and comparative efficacy) of pharmacotherapy in patients with an exacerbation of COPD?	This is not a question in its own right but merely a heading for questions 103-110 & 112-113			
Q103 Are bronchodilators useful / effective in the treatment of patients with an exacerbation of COPD?	COPD Exacerbations Exclude asthma	Systematic Reviews RCTs	Cochrane Library Medline Embase 1966-2003 1980-2003	<i>continued</i>

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Question	Population	Study Type	Database and Years	
Q104 Which patients with an exacerbation of COPD should be treated with bronchodilators?				
Q105 Are oral steroids useful / effective in the treatment of patients with an exacerbation of COPD?	COPD Exacerbations Exclude asthma	Systematic Reviews RCTs	Cochrane Library Medline Embase 1966-2003 1980-2003	
Q106 Which patients with an exacerbation of COPD should be treated with oral steroids?				
Q107 Question removed				
Q108 Which delivery systems should be used for giving inhaled therapy to patients with an exacerbation of COPD?			Expert Review	
Q109 Are antibiotics useful / effective in the treatment of patients with an exacerbation of COPD?	COPD Exclude asthma	Systematic Reviews RCTs	Cochrane Library Medline Embase 1966-2003 1980-2003	
Q110 Which patients with an exacerbation of COPD should be treated with antibiotics?				
Q111 Which patients with an exacerbation of COPD should be treated with oxygen (how much and how monitored, including use during transfer to hospital)?			Expert Review	
Q112 What is the role of theophylline in patients with exacerbations of COPD?	COPD Exacerbations Exclude asthma	Systematic Reviews RCTs	Cochrane Library Medline Embase 1966-2003 1980-2003	
Q113 What is the role of respiratory stimulants in patients with exacerbations of COPD?	COPD Exacerbations Exclude asthma	Systematic Reviews RCTs	Cochrane Library Medline Embase 1966-2003 1980-2003	
Q114 What is the role of therapies for managing right heart failure / chronic salt and water retention in patients with exacerbations of COPD?			Expert Review	
Q115 Question removed				
				<i>continued</i>

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Question	Population	Study Type	Database and Years
Q116 Which patients with exacerbations of COPD require non-invasive ventilation?	COPD Exacerbations Exclude asthma	Systematic Reviews RCTs	Cochrane Library 1980-2003 Medline 1980-2003 Embase 1980-2003
Q117 In patients with exacerbations of COPD who require non-invasive ventilation, where should this be performed (Ward/HDU/ITU) so that morbidity or mortality measures are minimised?			
Q118 Which patients with exacerbations of COPD require IPPV / ITU care?			
Q119 In patients with exacerbations of COPD, what is the role of hospital-at-home/ assisted discharge schemes compared to inpatient management taking into account morbidity or mortality outcomes	COPD Exacerbations Exclude asthma	Systematic Reviews RCTs	Cochrane Library 1966-2003 Medline 1980-2003 Embase 1980-2003 CINAHL 1982-2003
Q120 What multi professional team membership is effective in providing hospital-at-home/ assisted discharge schemes for patients with exacerbations of COPD?			
Q121 In patients with an exacerbation of COPD, what criteria are useful in assessing the suitability of and planning for home treatment / early discharge?			
Q122 In patients with an exacerbation of COPD, what is the optimal duration of home care?			
Q123 What is the role of respiratory physiotherapy in the management of exacerbations of COPD?	COPD Exacerbations Exclude asthma	Systematic Reviews RCTs Cohorts	Cochrane Library 1966-2003 Medline 1980-2003 Embase 1980-2003 CINAHL 1982-2003
Q124 Which patients with COPD benefit from referral to palliative care services?			Expert Review
Q125 Which patients with COPD benefit from referral to occupational therapists?			
Q126 Which patients with COPD benefit from referral to social services?			
			<i>continued</i>

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Question	Population	Study Type	Database and Years	
Q127 What information / education / support is needed for stable COPD patients and their families to understand and cope with the diagnosis, treatment and outcome in COPD?	Stable COPD Exclude asthma	All studies	Cochrane Library Medline 1966-2003 Embase 1980-2003 CINAHL 1982-2003 PsycINFO 1887-2003	
Q128 In patients with stable COPD and their relatives / carer, what effect does education have on morbidity, quality of life, advanced directives or mortality measures?				
Q129 Do cultural factors modify the uptake of COPD care? Question and section relating to cultural factors deleted by NICE as defined as "outside of Scope"	COPD Exclude asthma	All	Cochrane Library Medline 1966-2003 Embase 1980-2003 CINAHL 1982-2003 AMED 1985-2003	
Q130 What advice should be given to patients with COPD who wish to travel?			Expert Review	
Q131 How should the fitness for surgery of patients with COPD be assessed?			Expert Review	



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