













## Preferred Inhaler Choices for COPD

- Prescribing inhalers for COPD is a decision between the patient and the clinician in combination with other valuable interventions such as pulmonary rehabilitation, smoking cessation advice and flu and pneumococcal vaccination. Combination inhalers should be prescribed by brand and technique checked regularly.
- If the patient cannot use, or declines, the listed inhaler device, the most appropriate alternative within the recommended class (es) of drug should be prescribed.

<b>HIGH RISK</b> 2 or more exacerbations or 1 or more admissions in 12 m	<b>CATEGORY C</b>		<b>CATEGORY D</b>				
	<2 exacerbations per year and no admissions		2 or more exacerbations per year or at least 1 admission		Many symptoms & high risk of exacerbations		
	<b>LAMA/LABA</b>		<b>ICS/LABA</b>		<b>ICS/LABA + LAMA</b>		<b>ICS/LABA/LAMA</b>
	<b>1<sup>st</sup> choice</b>		<b>2<sup>nd</sup> choice</b>		<b>1<sup>st</sup> choice</b>		<b>2<sup>nd</sup> choice</b>
Anoro <sup>®</sup> 55/22 Ellipta 1 puff once daily 		Relvar <sup>®</sup> 92/22 Ellipta 1 puff once daily 		Relvar <sup>®</sup> 92/22 Ellipta 1 puff once daily + Incruse <sup>®</sup> 55micrograms Ellipta 1 puff once daily 		Trelegy <sup>®</sup> Ellipta 92/55/22 1 puff once daily 	
Ultibro <sup>®</sup> Breezhaler 1 puff once daily OR Duaklir <sup>®</sup> Genuair 1 puff twice daily 		DuoResp Spiromax <sup>®</sup> 320/9 1 puff twice daily 		DuoResp Spiromax <sup>®</sup> 320/9 1 puff twice daily+ Seebri Breezhaler 1 puff once daily OR Fostair <sup>®</sup> NEXThaler 100/6 2 puffs twice daily + Eklira <sup>®</sup> Genuair 322 1 puff twice daily 		Trimbow <sup>®</sup> 87/5/9 2 puffs twice daily 	
<b>LOW RISK</b> <2 exacerbations & no admissions in 12 m	<b>CATEGORY A</b> Few symptoms & low risk of exacerbations		<b>CATEGORY B</b> More significant symptoms & low risk of exacerbations				
	<b>SABA or LAMA and SABA (Refer to Cat D for LAMA choices)</b>		<b>LAMA/LABA (as a combination inhaler)</b>				
	<b>1<sup>st</sup> choice</b>		<b>2<sup>nd</sup> choice</b>		<b>1<sup>st</sup> choice</b>		<b>2<sup>nd</sup> choice</b>
	Salbutamol 100microgram Easyhaler 2 puffs PRN 		MDI Salbutamol 100microgram MDI 2 puffs PRN DPI Salbutamol 100microgram Easi-Breathe 2 puffs PRN 		Anoro <sup>®</sup> 55/22 Ellipta 1 puff once daily 		Ultibro <sup>®</sup> Breezhaler 1 puff once daily OR Duaklir <sup>®</sup> Genuair 1 puff twice daily 
<b>Low level of symptoms (CAT &lt;10 or mMRC 0-1)</b>			<b>Higher level of symptoms (CAT ≥10 or mMRC ≥2)</b>				

More cost effective

Least cost effective

SHORT ACTING BRONCHODILATORS Short Acting B <sub>2</sub> Agonist (SABA) OR Short Acting Muscarinic Antagonist (SAMA)	LONG ACTING BRONCHODILATORS		COMBINATION CORTICOSTEROID & BRONCHODILATOR INHALERS  Corticosteroid (ICS) + LABA
	Long Acting B <sub>2</sub> agonist (LABA) AND / OR Long Acting Muscarinic Antagonist (LAMA) <i>Discontinue SAMA when LAMA commenced.</i>	COMPOUND BRONCHODILATORS Combination LABA + LAMA Inhalers <i>Discontinue SAMA when LAMA commenced</i>	
<p><b>SABAs:</b></p> <p>Salbutamol 100mcg/dose inhaler (MDI) 2 puffs prn <b>£22</b></p> <p>Salbutamol 100mcg/dose dry powder inhaler (DPI) 2 puffs prn: Easyhaler Salbutamol <b>£48</b> Salbulin Novolizer <b>£72</b></p> <p>Salbutamol 200mcg/dose dry powder inhaler (DPI) 1 puff prn: Easyhaler Salbutamol <b>£48</b> Ventolin Accuhaler <b>£73</b></p> <p>Salbutamol 100mcg/dose breath actuated inhaler (BAAI) 2 puffs prn: Aiomir Autohaler <b>£88</b> Salamol Easi-breathe <b>£92</b></p> <p>Terbutaline Turbohaler 500mcg/dose (DPI) 1 puff prn <b>£121</b></p>	<p>Easyhaler Formoterol 12mcg/dose (DPI) 1 puff bd <b>£144</b></p> <p>Atimos Modulate (formoterol) 12mcg/dose (MDI) 1 puff bd <b>£219</b></p> <p>Oxis 12 Turbohaler (formoterol 12mcg/dose) (DPI) 1 puff bd <b>£302</b></p> <p>Striverdi Respimat (olodaterol) 2.5mcg/puff (SI) 2 puffs od <b>£321</b></p> <p>Foradil (formoterol) 12mcg/dose (DPI) 1 puff bd <b>£341</b></p> <p>Salmeterol 25micrograms/dose inhaler (MDI) 2 puffs bd <b>£356</b></p> <p>Salmeterol 50micrograms/dose accuhaler (DPI) 1 puff bd <b>£356</b></p> <p>Onbrez Breezhaler (indacaterol) 150mcg/dose (DPI) Inhale contents of 1 cap od <b>£392</b></p> <p>Onbrez Breezhaler (indacaterol) 300mcg/dose (DPI) Inhale contents of 1 cap od <b>£392</b></p>	<p>Anoro Ellipta 55mcg/22mcg (DPI) (55mcg umeclidinium/22mcg vilanterol per dose) 1 puff od <b>£395</b></p> <p>Ultibro Breezhaler 85mcg/43mcg (DPI) (85mcg indacaterol/ 43mcg glycopyrronium per dose) Inhale contents of 1 cap od <b>£395</b></p> <p>Duaklir Genuair 340mcg/12mcg (DPI) (340mcg aclidinium/12mcg formoterol per dose) 1 puff bd <b>£395</b></p> <p>Spiolto Respimat (2.5mcg Tiotropium/2.5mcg olodaterol per dose) (SI) 2 puffs od <b>£395</b></p>	<p>Relvar Ellipta 92/22 (DPI) (92mcg fluticasone <b>furoate</b>/22mcg vilanterol) 1 puff od <b>£268</b></p> <p>Fobumix 320/9 Easyhaler (DPI) (320mcg budesonide/9mcg formoterol) 1 puff bd <b>£328</b></p> <p>DuoResp Spiromax 160/4.5 (DPI) (160mcg budesonide/4.5mcg formoterol per dose) 2 puffs bd <b>£340</b></p> <p>DuoResp Spiromax 320/9 (DPI) (320mcg budesonide/9mcg formoterol per dose) 1 puff bd <b>£340</b></p> <p>Symbicort 200/6 Turbohaler (DPI) (200mcg budesonide/6mcg formoterol per dose) 2 puffs bd <b>£340</b></p> <p>Symbicort 400/12 Turbohaler (DPI) (400mcg budesonide/12mcg formoterol per dose) 1 puff bd <b>£340</b></p> <p>Symbicort 200/6 (MDI) (200mcg budesonide/6mcg formoterol per dose) 2 puffs bd <b>£341</b></p> <p>Fostair NEXThaler 100/6 inhaler (DPI) or Fostair MDI 100/6 inhaler (MDI) (100mcg beclometasone/6mcg formoterol per dose) 2 puffs bd <b>£357</b></p> <p>Aerivio Spiromax (DPI) (500micrograms fluticasone propionate 50micrograms salmeterol/dose) 1 puff bd <b>£365</b></p> <p>Seretide 500/50 Accuhaler (DPI) (500mcg fluticasone propionate/ 50mcg salmeterol per dose) 1 puff bd <b>£497</b></p>
<p><b>SAMA:</b></p> <p>Ipratropium 20mcg/dose inhaler (MDI) 2 puffs QDS prn <b>£81</b></p> <p><b>Review the clinical requirement to continue with a SAMA</b></p>	<p><b>LAMAs:</b></p> <p>Spiriva Respimat (tiotropium) 2.5mcg/puff (SI) 2 puffs od <b>£280</b></p> <p>Braltus Zonda (tiotropium) 10mcg/puff (DPI) 1 puff od <b>£314</b></p> <p>Seebri Breezhaler (glycopyrronium) 44mcg/dose (DPI) Inhale contents of 1 cap od <b>£335</b></p> <p>Incruse Ellipta (umeclidinium) 55mcg/dose (DPI) 1 puff od <b>£335</b></p> <p>Eklira Genuair (aclidinium) 322mcg/dose (DPI) 1 puff bd <b>£349</b></p> <p>Spiriva Handihaler (tiotropium) 18mcg/dose (DPI) Inhale contents of 1 cap od <b>£424</b></p>	<p><b>If severe symptoms persist consider triple therapy – LABA + LABA + ICS</b></p> <p><b>Triple therapy should only be used for patients with FEV1 &lt;50% + frequent exacerbations</b></p> <p><b>Triple ICS/LABA/LAMA Inhalers</b></p> <p>Trelegy (DPI) (92mcg fluticasone furoate/55mcg umeclidinium/22mcg vilanterol per dose) 1 puff od <b>£541</b></p> <p>Trimbow (pMDI) (87mcg beclometasone /5mcgformoterol/9mcg glycopyrronium per dose) 2 puffs bd <b>£541</b></p> <p><b>If the outcome of a COPD review still indicates triple therapy, consider optimising treatment to a triple inhaler as this reduces the number of inhalers the patient has to manage which may improve concordance.</b></p>	