














Subsidised Inhalers for Asthma or COPD New Zealand March 2016






SABA – Short-Acting Beta2 Agonists					
SALBUTAMOL Aerosol inhaler 100mcg/puff			TERBUTALINE powder for inhalation 250mcg/dose		SALBUTAMOL nebuliser solution 2.5mg/2.5mL nebule 5mg/2.5mL nebule
					
RespiGen	SalAir	Salamol	Ventolin	Bricanyl Turbuhaler	Asthalin





SAMA – Short-Acting Muscarinic Antagonists (see note 3)	
IPRATROPIUM Aerosol inhaler 20mcg/puff	IPRATROPIUM Nebuliser solution 250 mcg/mL 500mcg/2mL
	
Atrovent	Univent




Combination SABA & SAMA (see note 3)	
SALBUTAMOL WITH IPRATROPIUM Aerosol inhaler salbutamol 100 mcg + ipratropium 20 mcg /puff	SALBUTAMOL WITH IPRATROPIUM Nebuliser solution salbutamol 2.5 mg + ipratropium 500 mcg /2.5 mL
	
Duolin	Duolin

Mast Cell Stabilisers		
SODIUM CROMOGLYATE Powder for inhalation 20mg/dose	SODIUM CROMOGLYATE Aerosol inhaler 5mg/puff	NEDOCROMIL Aerosol inhaler 2mg/puff
		
Intal Spincaps & Spinhaler	Intal Forte	Tilade






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LABA – Long Acting Beta2 Agonists (see note 3)					‘Ultra’ long-acting beta2 agonist (see note 3)
For asthma, MUST be used in combination with an inhaled corticosteroid refer http://www.nzf.org.nz/nzf_1706					
SALMETEROL Aerosol inhaler 25mcg/dose	SALMETEROL Powder for inhalation 50mcg/dose	FORMOTEROL (eformoterol) 6mcg/dose powder for inhalation	FORMOTEROL (eformoterol) 12mcg/dose powder for inhalation	INDACATEROL powder for inhalation 150 mcg/dose or 300 mcg/dose	
					
Meterol	Serevent	Serevent Accuhaler	Oxis Turbuhaler	Foradil capsule containing powder for inhalation via Aerolizer device	
<u>Inhaler presentations are NOT dose equivalent with Accuhaler</u> Inhaler - 25mcg salmeterol/puff; Accuhaler - 50mcg salmeterol/dose Aerosol inhaler <u>TWO</u> puffs twice daily Accuhaler <u>ONE</u> inhalation twice daily			<u>Oxis and Foradil are NOT dose equivalent</u> Oxis contains 6mcg/dose Foradil contains 12mcg/capsule for inhalation		<u>Indication - COPD</u> 150mcg OR 300mcg inhaled via Breezhaler ONCE daily

LAMA – Long Acting Muscarinic Antagonists (see note 3)			
Special Authority required for Tiotropium see Note 1		No Special Authority required for umeclidinium or glycopyrronium – script must be endorsed that patient has had COPD confirmed by spirometry	
TIOTROPIUM Powder for inhalation 18mcg/dose	TIOTROPIUM solution for inhalation 2.5mcg/inhalation	UMECLIDIINIUM powder for inhalation 62.5mcg/dose	GLYCOPYRRONIUM powder for inhalation 50mcg/dose
			
Spiriva capsule containing powder for inhalation via Handihaler device Adult dose: 18mcg inhaled ONCE daily	Spiriva Respimat Adult dose: 2 puffs (5mcg) ONCE daily	Incruse Ellipta Indication – COPD: ONE dose inhaled ONCE daily	Seebri capsules containing powder for inhalation via Breezhaler device Indication – COPD: 50mcg inhaled ONCE daily

(see note 3) Combination LAMA & ‘ultra’ long-acting beta2 agonist (LABA) Special Authority required see Note 2		
TIOTROPIUM BROMIDE WITH OLODATEROL solution for inhalation Tiotropium 2.5mcg with olodaterol 2.5mcg	UMECLIDIINIUM WITH VILANTEROL powder for inhalation Umeclidinium 62.5 mcg with vilanterol 25 mcg	GLYCOPYRRONIUM WITH INDACATEROL powder for inhalation glycopyrronium 50 mcg with indacaterol 110 mcg
		
Spiolto Respimat Indication COPD: TWO inhalations ONCE daily	Anoro Ellipta Indication COPD: ONE inhalation ONCE daily	Ultibro capsule containing powder for inhalation via Breezhaler device Indication COPD: ONE inhalation ONCE daily

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ICS – Inhaled Corticosteroids					
BECLOMETHASONE dipropionate Aerosol inhaler 50mcg/dose 100mcg/dose 250mcg/dose	BECLOMETHASONE dipropionate Ultrafine particle Aerosol inhaler 50mcg/dose 100mcg/dose	BUDESONIDE powder for inhalation 100mcg/dose 200mcg/dose 400mcg/dose	FLUTICASONE propionate Aerosol inhalers 50mcg/dose 125mcg/dose 250mcg/dose		FLUTICASONE propionate powder for inhalation 50mcg/dose 125mcg/dose 250mcg/dose
					
Beclazone	QVar	Pulmicort Turbuhaler	Floair	Flixotide	Flixotide Accuhaler
<p><u>Beclazone and QVar are NOT dose equivalent:</u> QVar is approximately twice as potent as standard beclomethasone dipropionate (Beclazone)</p>		<p>Budesonide is approximately the same potency as standard beclomethasone dipropionate (Beclazone)</p>	<p style="text-align: center;"><i>Fluticasone and beclomethasone dipropionate are NOT dose equivalent</i> Fluticasone is approximately twice as potent as standard beclomethasone dipropionate (Beclazone) <i>Inhaler presentations are NOT dose equivalent with Accuhaler</i></p>		

(see note 3)		Combination ICS & LABA			Fully subsidised - Special Authority removed	Combination ONCE daily ICS & LABA
BUDESONIDE WITH FORMOTEROL Aerosol inhaler	BUDESONIDE WITH FORMOTEROL powder for inhalation		FLUTICASONE PROPIONATE & SALMETEROL Aerosol inhaler		FLUTICASONE PROPIONATE & SALMETEROL powder for inhalation	FLUTICASONE FUROATE & VILANTEROL powder for inhalation
budesonide 100 mcg & 6 mcg formoterol /dose budesonide 200 mcg & 6 mcg formoterol /dose	budesonide 100 mcg & 6 mcg formoterol /dose budesonide 200 mcg & 6 mcg formoterol /dose	budesonide 400 mcg & formoterol 12 mcg/dose	50mcg fluticasone propionate & 25mcg salmeterol/puff 125mcg fluticasone propionate & 25mcg salmeterol/puff Not subsidised: 250mcg fluticasone propionate & 25mcg salmeterol/puff		100mcg fluticasone propionate & 50mcg salmeterol/dose 250mcg fluticasone propionate & 50mcg salmeterol/dose	Fluticasone furoate 100mcg & vilanterol 25 mcg (Asthma and COPD) Fluticasone furoate 200mcg & vilanterol 25 mcg (Asthma only)
						
Vannair	Symbicort Turbuhaler		RexAir	Seretide	Seretide Accuhaler	Breo Ellipta
<p>Budesonide is half as potent as fluticasone Vannair® 100/6 is equivalent to Symbicort Turbuhaler®100/6. Usual dose 1 or 2 inhalations twice daily</p>		<p style="text-align: center;">Note 12mcg formoterol/dose Maximum 1 dose twice daily</p>	<p style="text-align: center;"><i>Inhaler presentations are NOT dose equivalent with Accuhaler</i> Inhalers contain 25mcg salmeterol - Accuhalers contain 50mcg salmeterol Inhaler: TWO puffs twice daily; Accuhaler: ONE inhalation twice daily If extra inhaled corticosteroid is needed, change to the higher strength presentation or add separate inhaled corticosteroid</p>			<p style="text-align: center;">Fluticasone furoate 100mcg ONCE daily is approx. equivalent to fluticasone propionate 250mcg TWICE daily</p>

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Note 1:

Tiotropium Special Authority –

- SA interchangeable between Handihaler and Respimat but NOT Spiolto (combination with olodaterol) which requires a separate Special Authority (see Note 2)
- renewal no longer requires repeat spirometry
- tiotropium is not subsidised if patient receiving treatment with either glycopyrronium or umeclidinium

INITIAL APPLICATION

Applications only from a general practitioner or relevant specialist. Approvals valid for 2 years.

- To be used for the long-term maintenance treatment of bronchospasm and dyspnoea associated with COPD
- In addition to standard treatment, the patient has trialled a short acting bronchodilator dose of at least 40 µg ipratropium q.i.d for one month
- The patient's breathlessness Grade 4 or Grade 5
- Actual FEV1 must be below 60% of predicted
- Patient is not a smoker or patient is a smoker and has been offered smoking cessation counselling
- the patient has been offered annual influenza immunisation

RENEWAL

Patient is compliant with the medication and patient has experienced improved COPD symptom control (prescriber determined)

Note 2:

Long-Acting Muscarinic Antagonists with 'Ultra' Long-Acting Beta-Adrenoceptor Agonists

- Tiotropium & Olodaterol
- Glycopyrronium & Indacaterol
- Umeclidinium & Vilanterol

INITIAL APPLICATION

Applications from any relevant practitioner. Approvals valid for 2 years.

Patient has been stabilised on a long acting muscarinic antagonist and the prescriber considers that the patient would receive additional benefit from switching to a combination product

RENEWAL

Applications from any relevant practitioner. Approvals valid for 2 years.

Patient is compliant with the medication and patient has experienced improved COPD symptom control (prescriber determined)

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Note 3 - Caution – there is risk of duplication of therapy given the range of inhalers now available

Class	Medication	SABA	SAMA	SABA/SAMA	LABA	LAMA	LAMA/LABA	ICS/LABA	Mast cell stabiliser
SABA	Salbutamol Terbutaline	X	✓	✓	✓	✓	✓	✓	✓
SAMA	Ipratropium	✓	X	X	✓	X	X	✓	✓
SABA / SAMA	Salbutamol & Ipratropium	✓	X	X	✓	X	X	X	✓
LABA	Salmeterol Formoterol Indacaterol Vilanterol (only available in combination) Olodaterol (only available in combination)	✓	✓	✓	X	✓	X	X	✓
LAMA	Tiotropium Glycopyrronium Umeclidinium	✓	X	X	✓	X	X	✓	✓
LAMA / LABA	Tiotropium & Olodaterol Glycopyrronium & Indacaterol Umeclidinium & Vilanterol	✓	X	X	X	X	X	X	✓
ICS / LABA	Budesonide & Formoterol Fluticasone propionate & Salmeterol Fluticasone furoate & vilanterol	✓	✓	✓	X	✓	X	X	✓
Mast Cell Stabilisers	Sodium cromoglycate Nedocromil	✓	✓	✓	✓	✓	✓	✓	X