# **Guidance on Inhaled Therapies: Asthma (Adults)**



#### How to use this guidance

- ! This guideline should be used to support new patients being commenced on therapy or those requiring treatment to be stepped up or down.
- ! Inhaler switches should only take place if clinically appropriate after a review.
- ! Inhalers should be prescribed by brand name, except for salbutamol.
- ! Combination inhalers should be used where appropriate.

#### Choosing the right device

- Inhaler technique and adherence should be checked at each review and prior to any treatment escalation.
- Choice of device should be based on individual patient inhaler technique including inspiratory flow rate.
- Can the patient inhale
  - Hard and fast = DPI pathway
  - Slow and steady = MDI pathway (encourage spacer use)
- In this guidance, inhalers are given a symbol indicating required inspiratory flow rate:



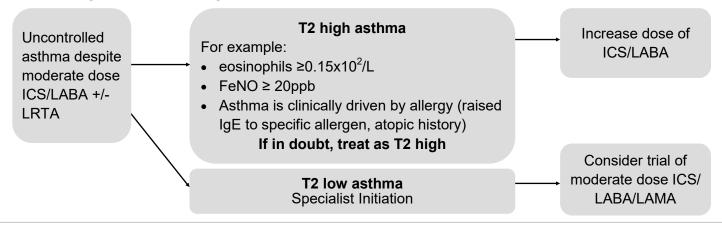
## **Green Inhaler Prescribing**

- As part of NHS Scotland's commitment to greener prescribing, the environmental impact of inhalers has been examined and should be incorporated into prescribing decisions.
- MDIs contain hydrofluorocarbon propellants that are greenhouse gases.
- Over-reliance of salbutamol increases the carbon footprint of a respiratory patient. Therefore, it is essential to
  identify and treat uncontrolled airways disease, encourage preventer adherence, and ensure inhaler
  devices are chosen based on individual inhaler technique to optimise control.
- DPIs have lower estimated carbon footprints than MDIs. Therefore, if a patient is able to use both MDI and DPI they should be given a DPI.
- Ventolin® evohalers have higher CO<sub>2</sub> emissions than other brands of salbutamol.
- In this guidance inhalers are given a symbol to indicate carbon footprint. This symbol indicates a 'greener' choice:



Abbreviations	DPI	Dry Powder Inhaler	LRTA	Leukotriene Receptor Antagonist
	ICS	Inhaled Corticosteroid	MDI	Metered Dose Inhaler
	LABA	Long-Acting Beta <sub>2</sub> Agonist	SABA	Short-Acting Beta <sub>2</sub> Agonist
	LAMA	Long-Acting Muscarinic Antagonist	MART	Maintenance and Reliever Therapy

### **Understanding T2 low and T2 high abbreviations**

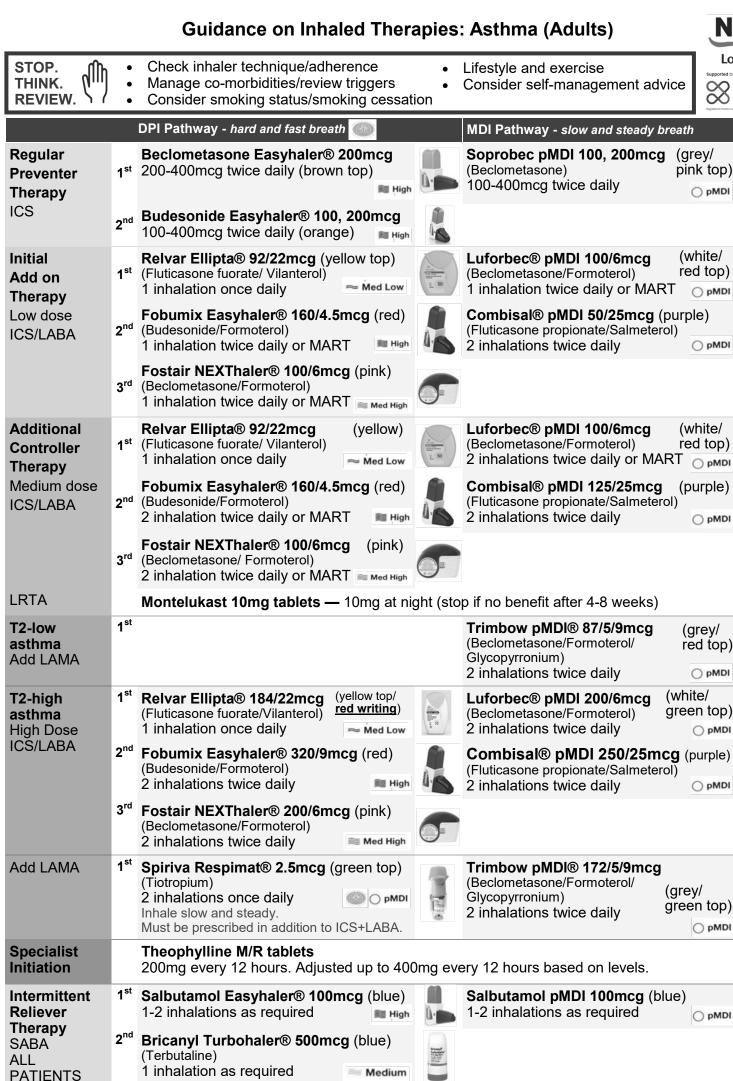


#### References

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