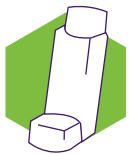
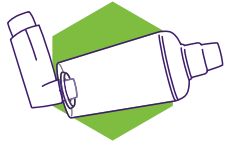





Inhaler technique

Device-specific checklists




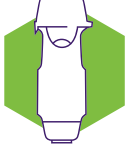
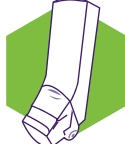
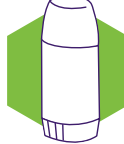
Use these checklists to teach, check and/or confirm the way your patients use their inhalers. Assess patients' inhaler technique at every opportunity.

General tips for inhalers	Pressurised metered-dose inhaler (pMDI)	pMDI & spacer	Accuhaler	Autohaler	Breezhaler
<ul style="list-style-type: none"> ▶ Turbuhalers, Respimat and pMDI devices should be primed before they are used for the first time. ▶ For inhalers with a dose counter, it is important to check there are sufficient doses remaining in the inhaler before each use. ▶ For the Respimat inhaler, ensure the cartridge has been loaded into the device before using the inhaler for the first time. ▶ All pMDIs should be shaken before each dose. Do not shake dry powder inhalers (DPIs). ▶ For all types of inhalers, it is important to keep the chin tilted up so the medicine reaches the lungs effectively. ▶ After use, wipe down the mouthpiece of the inhaler with a dry cloth. ▶ For inhalers containing corticosteroids, it is important to rinse the mouth out with water after using the inhaler to remove any residual medicine. This will reduce the likelihood of voice changes and oral thrush. 					
	<ol style="list-style-type: none"> 1. Remove inhaler cap 2. Hold inhaler upright and shake well 3. Breathe out gently, away from the inhaler 4. Put mouthpiece between teeth without biting and close lips to form a good seal 5. Breathe in slowly through the mouth and, at the same time, press down firmly on canister 6. Keep breathing in slowly and deeply and hold breath for about 5 seconds or as long as comfortable 7. While holding breath, remove inhaler from mouth 8. Breathe out gently, away from the inhaler 9. If an extra dose is needed, repeat steps 2 to 8 10. Replace cap 	<ol style="list-style-type: none"> 1. Prepare the spacer* 2. Remove inhaler cap 3. Hold inhaler upright and shake well before inserting into spacer 4. Put mouthpiece between teeth without biting and close lips to form a good seal 5. Breathe out gently, into the spacer 6. Hold spacer level and press down firmly on inhaler canister once 7. Single breath: Breathe in slowly and deeply and hold breath for around 5 seconds or as long as comfortable. Take spacer out of mouth while holding breath OR Tidal breath:** Breathe in and out normally for 3 or 4 breaths before removing spacer from the mouth 8. Breathe out gently 9. Remove inhaler from spacer 10. If an extra dose is needed, repeat steps 3 to 9 11. Replace cap on inhaler 	<ol style="list-style-type: none"> 1. Open cover using thumb grip 2. Hold horizontally, load dose by sliding lever until it clicks 3. Breathe out gently, away from the inhaler 4. Place mouthpiece in mouth and close lips to form a good seal, keep inhaler horizontal 5. Breathe in steadily and deeply 6. Hold breath for about 5 seconds or as long as comfortable 7. While holding breath, remove inhaler from mouth 8. Breathe out gently, away from the inhaler 9. If an extra dose is needed[†] repeat steps 2 to 8 10. Close cover to click shut 	<ol style="list-style-type: none"> 1. Remove cap 2. Hold inhaler upright and shake well 3. Push lever up 4. Breathe out gently, away from the inhaler 5. Put mouthpiece between teeth without biting and close lips to form good seal 6. Breathe in slowly and deeply. Keep breathing in after hearing click 7. Hold breath for about 5 seconds or as long as comfortable 8. While holding breath, remove inhaler from mouth 9. Breathe out gently, away from the inhaler 10. Push lever down 11. If an extra dose is needed, repeat steps 2 to 10 12. Replace cap 	<ol style="list-style-type: none"> 1. Remove cap 2. Flip mouthpiece to open 3. Remove capsule from blister and place in chamber 4. Close mouthpiece until it clicks 5. Press side buttons in once and release (do not shake) 6. Breathe out gently, away from inhaler 7. Put mouthpiece between teeth without biting and close lips to form good seal 8. Breathe in quickly and steadily, so capsule vibrates 9. Hold breath for about 5 seconds, or as long as comfortable 10. While holding breath, remove inhaler from mouth 11. Breathe out gently, away from inhaler 12. Open mouthpiece and remove capsule 13. If more than one dose is needed,[†] repeat steps 3 to 12 14. Close mouthpiece and cap

* New plastic spacers should be prewashed in warm water and dishwashing detergent (without rinsing), and air-dried before first use.

** Tidal breathing recommended for young children and during acute flare ups.

[†] Not usually appropriate for medicines delivered by this device.

Ellipta	Genuair	Handihaler	Respimat	Spiromax	Turbuhaler
					
<ol style="list-style-type: none"> Slide the cover down until you hear a click (do not shake) Breathe out gently, away from the inhaler Place mouthpiece in mouth and close lips to form a good seal. Do not cover air vent Breathe in steadily and deeply Hold breath for 5 seconds or as long as comfortable While holding breath, remove inhaler from mouth Breathe out gently, away from the inhaler Slide the cover upwards as far as it will go, to cover the mouthpiece 	<ol style="list-style-type: none"> Remove cap by squeezing arrows and pulling Hold inhaler so large coloured button is facing straight up Without tilting inhaler, press and release the button Check control window has changed to green Breathe out gently, away from inhaler Place mouthpiece in mouth and close lips to form a good seal. Keep inhaler horizontal Breathe in strongly and deeply. Keep breathing in after click is heard Hold breath for about 5 seconds or as long as comfortable While holding breath, remove inhaler from mouth. Breathe out gently, away from inhaler. Check control window has changed to red. Replace cap 	<ol style="list-style-type: none"> Open cap Flip open mouthpiece Remove capsule from blister and place in chamber Close mouthpiece until it clicks Press green piercing button in once and release (do not shake) Breathe out gently, away from inhaler Place mouthpiece between teeth without biting and close lips to form a good seal Breathe in slowly and deeply, so capsule vibrates Keep breathing in as long as comfortable While holding breath, remove inhaler from mouth Breathe out gently, away from inhaler Repeat steps 7 to 11 to take the full dose Open mouthpiece and remove capsule Close mouthpiece and cap 	<ol style="list-style-type: none"> Hold inhaler upright with the cap closed Turn base in direction of arrows until it clicks (half a turn) Open the cap until it snaps fully open Breathe out gently, away from inhaler Place mouthpiece in mouth and close lips to form a good seal. Do not cover air vents Breathe in slowly and deeply through mouth and, at the same time, press down on the dose button Keep breathing in slowly and deeply Hold breath for 5 seconds or as long as comfortable While holding breath, remove inhaler from mouth Breathe out gently, away from inhaler Click cap shut Repeat from step 1 to get the full dose (as two inhalations is the usual dose for medicines used with Respimat) 	<ol style="list-style-type: none"> Hold inhaler upright with mouthpiece cover at the bottom Open the mouthpiece cover downwards until it clicks Breathe out gently, away from inhaler Place mouthpiece between teeth without biting and close lips to form a good seal. Do not cover air vents Breathe in strongly and deeply While holding breath, remove inhaler from mouth Hold breath for 5 seconds or as long as comfortable Breathe out gently, away from inhaler Close mouthpiece cover If an extra dose is needed, repeat steps 1 to 9 	<ol style="list-style-type: none"> Unscrew and remove cover Keep inhaler upright while twisting grip Twist around and then back until click is heard Breathe out gently, away from the inhaler Place mouthpiece between teeth without biting and close lips to form a good seal. Do not cover air vents Breathe in strongly and deeply Hold breath for about 5 seconds or as long as comfortable Remove inhaler from mouth Breathe out gently away from the inhaler If an extra dose is needed, repeat steps 2 to 9 Replace cover

Other devices are available for inhaled medicines – please see the manufacturer’s Product Information for instructions

These checklists are based on the National Asthma Council Australia’s Information paper for health professionals: Inhaler technique for people with asthma or COPD. To view the full document visit: <http://www.nationalasthma.org.au>

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