

Table S1 The essential steps checklist for inhaler devices

Essential steps	pMDI	pMDI with spacer
Shake inhaler thoroughly	1. <input type="checkbox"/>	1. <input type="checkbox"/>
Remove the cap and keep inhaler in upright position	2. <input type="checkbox"/>	na
Remove cap and insert inhaler correctly into spacer	na	2. <input type="checkbox"/>
Breathe out gently to residual volume	3. <input type="checkbox"/>	3. <input type="checkbox"/>
Close lips on inhaler or spacer mouthpiece	4. <input type="checkbox"/>	4. <input type="checkbox"/>
Press the canister at beginning of inhalation	5. <input type="checkbox"/>	na
Hold spacer level and press down firmly on canister once	na	5. <input type="checkbox"/>
Inhale slowly and deeply	6. <input type="checkbox"/>	6. <input type="checkbox"/>
Hold breath for at least 10 seconds	7. <input type="checkbox"/>	7. <input type="checkbox"/>
Breath in and out through mouthpiece at least three times	na	8. <input type="checkbox"/>
Patients performing incorrect inhalation techniques	<input type="checkbox"/>	<input type="checkbox"/>
Patients performing incorrect flow (<30 or >60 L/min)	<input type="checkbox"/>	<input type="checkbox"/>
Overall (incorrect technique and flow)	<input type="checkbox"/>	<input type="checkbox"/>

pMDI, pressurized meter dose inhaler; na, not applicable to the device.