









## Regular Preventer

|                                               | <b>Beclometasone</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Beclometasone</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>Budesonide</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Brand name</b>                             | Qvar Easi-Breathe                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Clenil Modulite                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Easyhaler                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Device</b>                                 | MDI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | MDI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | DPI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                               |                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Strengths</b>                              | 50 microgram                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 100 microgram                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 200 microgram                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Adult asthma dose</b>                      | 2 inhalations twice a day                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2 inhalations twice a day                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1 inhalation twice a day                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Steps to use the inhaler – ease of use</b> | <ul style="list-style-type: none"> <li>Open the mouthpiece cover.</li> <li>Breathe out as far as is comfortable then breathe in slowly and deeply through the mouthpiece. Do not stop when the inhaler puffs the dose into mouth; carry on until a deep breath has been taken.</li> <li>Hold breath for 10 seconds then breathe out slowly.</li> <li>Replace the mouthpiece cover.</li> <li>If prescribed more than one dose, wait 60 seconds before repeating the process.</li> </ul> | <ul style="list-style-type: none"> <li>Remove the mouthpiece cover.</li> <li>Breathe out as far as is comfortable, start to breathe in through the inhaler.</li> <li>Just after starting to breathe in, press down on the top of the inhaler. Continue to breathe in steadily and deeply.</li> <li>Hold breath for about 5 to 10 seconds, or as long as is comfortable, and then breathe out slowly. Do not breathe out into the inhaler.</li> <li>If prescribed more than one dose, wait 30 seconds before repeating the process.</li> <li>Replace the mouthpiece cover.</li> </ul> | <ul style="list-style-type: none"> <li>Remove the mouthpiece cover.</li> <li>Shake the Easyhaler vigorously 3–5 times.</li> <li>Press the Easyhaler once between finger and thumb until a click is heard, then release and let it click back.</li> <li>Place the inhaler between the lips then inhale strongly and deeply through the inhaler. Hold the breath for at least 5 seconds then breathe normally.</li> <li>If prescribed more than one dose, repeat the process.</li> <li>Replace the mouthpiece cover.</li> </ul> |
| <b>Miscellaneous information</b>              | BDP in Qvar is TWICE as potent as Clenil Modulite (and other standard BDP containing inhalers).<br>It is not necessary to shake the inhaler before use because this is a solution aerosol                                                                                                                                                                                                                                                                                              | The Volumatic™ spacer device may be used by patients who have difficulty synchronising aerosol actuation with inspiration of breath.<br>If the inhaler is new or has not been used for three days or more, one puff should be released into the air. It is not necessary to shake the inhaler before use because this is a solution aerosol                                                                                                                                                                                                                                          | If the Easyhaler is clicked more than once, or clicked by accident, the inhaler mouthpiece can be tapped on a table top or into the hand, and the powder then discarded. The Easyhaler has a dose counter.                                                                                                                                                                                                                                                                                                                    |
| <b>NHS List Price</b>                         | £7.87 for 200 inhalations (50 day supply)                                                                                                                                                                                                                                                                                                                                                                                                                                              | £7.42 for 200 inhalations (50 day supply)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | £17.71 for 200 inhalations (100 day supply)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |





## Initial add-on therapy/additional add-on therapies (continued on next page)

|                                               | Beclometasone/formoterol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Beclometasone/formoterol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Budesonide/formoterol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Brand name</b>                             | Fostair                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Fostair NEXThaler                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Fobumix Easyhaler                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Device</b>                                 | MDI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | DPI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | DPI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Strengths</b>                              | 100/6 microgram<br>(can use via AeroChamber Plus spacer)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 100/6 microgram                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 160/4.5 microgram                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Adult Asthma dose</b>                      | <i>Initial add-on:</i><br>1 inhalation twice a day<br><i>Additional add-on:</i><br>2 inhalations twice a day                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <i>Initial add-on:</i><br>1 inhalation twice a day<br><i>Additional add-on:</i><br>2 inhalations twice a day                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <i>Initial add-on:</i><br>1 inhalation twice a day<br><i>Additional add-on:</i><br>2 inhalations twice a day                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Steps to use the inhaler – ease of use</b> | <ul style="list-style-type: none"> <li>Remove the mouthpiece cover.</li> <li>Breathe out as far as is comfortable, start to breathe in through the inhaler.</li> <li>Just after starting to breathe in, press down on the top of the inhaler. Continue to breathe in steadily and deeply.</li> <li>Hold breath for about 5 to 10 seconds, or as long as is comfortable, and then breathe out slowly. Do not breathe out into the inhaler.</li> <li>If prescribed more than one dose, wait 30 seconds before repeating the process.</li> <li>Replace the mouthpiece cover.</li> </ul> | <ul style="list-style-type: none"> <li>Hold inhaler upright and check the number of doses left. Open the cover fully to load a dose.</li> <li>Breathe out as far as is comfortable, then place the inhaler mouthpiece between lips. Do not cover the air vent while holding the inhaler.</li> <li>Take a deep and forceful breath through the mouth. Remove inhaler from mouth and hold breath for 5-10 seconds or as long as is comfortable.</li> <li>Close the inhaler and check counter has gone down by one</li> <li>If prescribed more than one dose, repeat the process.</li> </ul> | <ul style="list-style-type: none"> <li>Remove the mouthpiece cover.</li> <li>Shake the Easyhaler vigorously 3–5 times.</li> <li>Press the Easyhaler once between finger and thumb until a click is heard, then release and let it click back.</li> <li>Place the inhaler between the lips then inhale strongly and deeply through the inhaler. Hold the breath for at least 5 seconds then breathe normally.</li> <li>If prescribed more than one dose, repeat the process.</li> <li>Replace the mouthpiece cover.</li> </ul> |
| <b>Miscellaneous information</b>              | Fostair is the only combination inhaler which needs to be stored in the fridge before being dispensed. Once dispensed, it can be kept out of the fridge (shelf life= 5 months).<br>Fostair is the only pressurised metered dose inhaler (pMDI) licensed for treatment of COPD and is suitable for use with the AeroChamber Plus spacer device.<br>Extrafine particle size – 100 microgram dose is equivalent to 250 microgram BDP in non-extrafine inhalers                                                                                                                          | NEXThaler is a breath-operated inhaler<br>After first opening the pouch, the medicinal product should be used within 6 months.<br>Fostair NEXThaler does not require any special temperature storage conditions.<br>Has a dose counter                                                                                                                                                                                                                                                                                                                                                    | 160/4.5 mcg is equivalent to a metered dose of 200 mcg budesonide /6 mcg of formoterol fumarate dihydrate.<br>320/9 mcg is equivalent to a metered dose of 400 mcg budesonide/12 mcg of formoterol fumarate dihydrate                                                                                                                                                                                                                                                                                                         |
| <b>NHS List Price</b>                         | £29.32 for 120 puffs (60 day supply)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | £29.32 for 120 puffs (60 day supply)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | £21.50 for 120 puffs (60 day supply)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

### Additional add-on therapies (continued from previous page)

|                                               | <b>Fluticasone furoate/vilanterol</b>                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Tiotropium</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Brand name</b>                             | Relvar Ellipta                                                                                                                                                                                                                                                                                                                                                                                                                                    | Spiriva Respimat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Device</b>                                 | Dry powder                                                                                                                                                                                                                                                                                                                                                                                                                                        | MDI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                               |                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Strengths</b>                              | 92/22 microgram                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2.5 microgram                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Adult Asthma dose</b>                      | <i>Additional add-on:</i><br>1 inhalation once daily                                                                                                                                                                                                                                                                                                                                                                                              | <i>Additional add-on:</i><br>2 inhalations once daily, at the same time of day                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Steps to use the inhaler – ease of use</b> | <ul style="list-style-type: none"> <li>Slide down cover to load dose</li> <li>Breathe out as far as is comfortable then place the inhaler mouthpiece between lips. Do not cover the air vent.</li> <li>Take a long, deep breath through the mouth. Remove inhaler from mouth and hold breath for 5-10 seconds or as long as is comfortable.</li> <li>Close the inhaler.</li> <li>If prescribed more than one dose, repeat the process.</li> </ul> | <ul style="list-style-type: none"> <li>Turn the base of the inhaler until it clicks. Open the mouthpiece cover.</li> <li>Breathe out slowly then place the inhaler mouthpiece between lips and start to breathe in.</li> <li>Press the dose-release button and continue to breathe in slowly for as long as comfortable</li> <li>Hold breath for 10 seconds or as long as is comfortable.</li> <li>Replace the mouthpiece cover.</li> <li>If prescribed more than one dose, repeat the process.</li> </ul> <p><i>Inhaler preparation required before first use: load cartridge into inhaler.</i></p> |
| <b>Miscellaneous information</b>              | <p>The inhaler is in the 'closed' position when it is first taken out of its sealed tray and has a "Discard by" date 6 weeks from the date of opening the tray.</p> <p>If the inhaler cover is opened and closed without inhaling the medicinal product, the dose will be lost. The lost dose will be securely held inside the inhaler, but it will no longer be available to be inhaled.</p>                                                     | <p>Dose indicator</p> <p>Locks when empty</p> <p>Clean mouthpiece once a week</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>NHS List Price</b>                         | £22.00 for 30 inhalations (30 day supply)                                                                                                                                                                                                                                                                                                                                                                                                         | £33.50 for 60 inhalations (30 day supply)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## High dose therapies

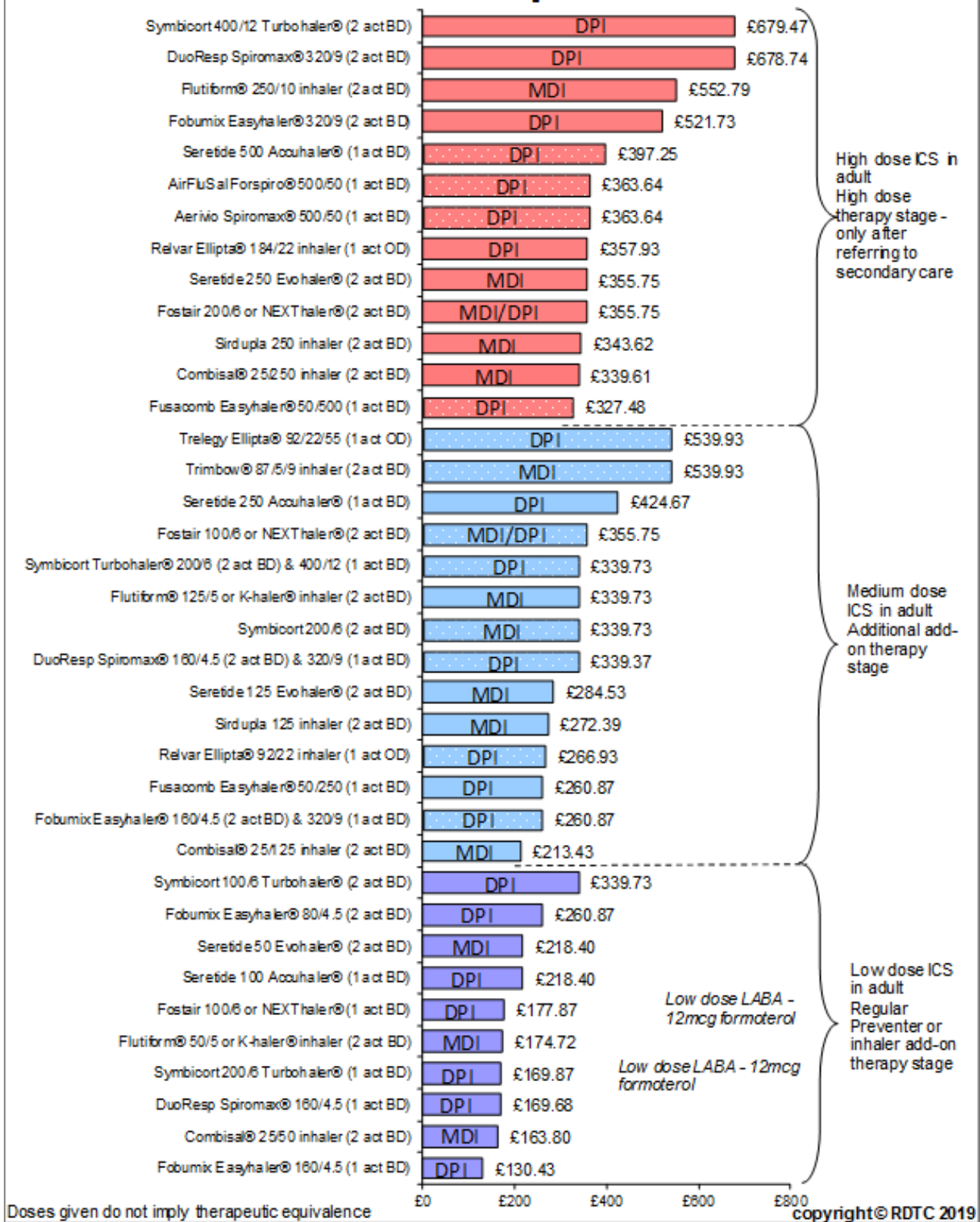
|                                               | Beclometasone/formoterol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Beclometasone/formoterol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Budesonide/formoterol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Fluticasone fuorate /vilanterol                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Brand name</b>                             | Fostair                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Fostair NEXThaler                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Fobumix Easyhaler                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Relvar Ellipta®                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Device</b>                                 | MDI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Dry powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | DPI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Dry powder                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                |
| <b>Strengths</b>                              | 200/6 microgram                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 200/6 microgram                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 320/9 microgram                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 184/22 microgram                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Adult Asthma dose</b>                      | <i>High dose:</i><br>2 inhalations twice a day<br>(can use via AeroChamber Plus spacer)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <i>High dose:</i><br>2 inhalations twice a day                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <i>High dose:</i><br>2 inhalations twice a day                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <i>High dose:</i><br>1 inhalation once daily                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Steps to use the inhaler – ease of use</b> | <ul style="list-style-type: none"> <li>Remove the mouthpiece cover.</li> <li>Breathe out as far as is comfortable, start to breathe in through the inhaler.</li> <li>Just after starting to breathe in, press down on the top of the inhaler. Continue to breathe in steadily and deeply.</li> <li>Hold breath for about 5 to 10 seconds, or as long as is comfortable, and then breathe out slowly. Do not breathe out into the inhaler.</li> <li>If prescribed more than one dose, wait 30 seconds before repeating the process.</li> <li>Replace the mouthpiece cover.</li> </ul> | <ul style="list-style-type: none"> <li>. Hold inhaler upright and check the number of doses left. Open the cover fully to load a dose.</li> <li>Breathe out as far as is comfortable, then place the inhaler mouthpiece between lips. Do not cover the air vent while holding the inhaler.</li> <li>Take a deep and forceful breath through the mouth. Remove inhaler from mouth and hold breath for 5-10 seconds or as long as is comfortable.</li> <li>Close the inhaler and check counter has gone down by one</li> <li>If prescribed more than one dose, repeat the process.</li> </ul> | <ul style="list-style-type: none"> <li>Remove the mouthpiece cover.</li> <li>Shake the Easyhaler vigorously 3–5 times.</li> <li>Press the Easyhaler once between finger and thumb until a click is heard, then release and let it click back.</li> <li>Place the inhaler between the lips then inhale strongly and deeply through the inhaler. Hold the breath for at least 5 seconds then breathe normally.</li> <li>If prescribed more than one dose, repeat the process.</li> <li>Replace the mouthpiece cover.</li> </ul> | <ul style="list-style-type: none"> <li>Slide down cover to load dose</li> <li>Breathe out as far as is comfortable then place the inhaler mouthpiece between lips. Do not cover the air vent.</li> <li>Take a long, deep breath through the mouth. Remove inhaler from mouth and hold breath for 5-10 seconds or as long as is comfortable.</li> <li>Close the inhaler.</li> <li>If prescribed more than one dose, repeat the process.</li> </ul> |

Continued overleaf

### High dose therapies (continued from previous page)

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Miscellaneous information</b> | <p>Fostair is the only combination inhaler which needs to be stored in the fridge (before dispensing only). It has shelf life of 5 months after dispensing (out of fridge).</p> <p>Fostair is the only pressurised metered dose inhaler (pMDI) licensed for treatment of COPD and is suitable for use with the AeroChamber Plus spacer device.</p> <p>Extrafine particle size – 100 microgram dose is equivalent to 250 microgram BDP in non-extrafine inhalers</p> | <p>NEXThaler is a breath-operated inhaler</p> <p>After first opening the pouch, the medicinal product should be used within 6 months.</p> <p>Fostair NEXThaler does not require any special temperature storage conditions.</p> <p>Has a dose counter</p> | <p>160/4.5 mcg is equivalent to a metered dose of 200 mcg budesonide /6 mcg of formoterol fumarate dihydrate.</p> <p>320/9 mcg is equivalent to a metered dose of 400 mcg budesonide/12 mcg of formoterol fumarate dihydrate</p> | <p>The inhaler is in the 'closed' position when it is first taken out of its sealed tray and has a "Discard by" date 6 weeks from the date of opening the tray.</p> <p>If the inhaler cover is opened and closed without inhaling the medicinal product, the dose will be lost. The lost dose will be securely held inside the inhaler, but it will no longer be available to be inhaled.</p> |
| <b>NHS List Price</b>            | <p>£29.32 for 120 puffs (30 day supply)</p>                                                                                                                                                                                                                                                                                                                                                                                                                         | <p>£29.32 for 120 puffs (30 day supply)</p>                                                                                                                                                                                                               | <p>£21.50 for 120 puffs (60 day supply)</p>                                                                                                                                                                                      | <p>£29.50 for 30 inhalations (30 day supply)</p>                                                                                                                                                                                                                                                                                                                                              |

## January 2019: ICS/LABA and ICS/LABA/LAMA combination inhalers - Cost of treatment for 1 year [Dotted Bars = licensed for COPD]



NB: not all products on this chart are on formulary in Greater Manchester.