

Prescription Favourites

- Make notes for "Prescription Favourites" that will show low carbon alternative at time of new prescription.
- Easy reminder to prescribe low-carbon alternative inhalers.

Tool created by Brenda Chang, Clinical Pharmacy Practitioner at St. Michael's Hospital Academic Family Health Team.



Favourite Type	Shortcut	Treatment
Clinic	#InhalerAsthma_ICS/LABA_Advair Diskus FLUT PROP/SALM 100/50mcg 4-11yrs	fluticasone propion-salmeterol 100-50 mcg/do...
Clinic	#InhalerAsthma_ICS/LABA_Advair Diskus FLUT PROP/SALM 250/50mcg ≥12yrs	fluticasone propion-salmeterol 250-50 mcg/do...
Clinic	#InhalerAsthma_ICS/LABA_Advair Diskus FLUT PROP/SALM 500/50mcg ≥12yrs	fluticasone propion-salmeterol 500-50 mcg/do...
Clinic	#InhalerAsthma_ICS/LABA_Advair MDI ***CONSIDER FIRST DPI e.g. Advair Diskus or Breo Ellipta	fluticasone propion-salmeterol 125-25 mcg/ac...
Clinic	#InhalerAsthma_ICS/LABA_Breo Ellipta FLUT FURO/VILA 100/25mcg ≥18yrs	fluticasone furoate-vilanterol 100-25 mcg/dos...
Clinic	#InhalerAsthma_ICS/LABA_Breo Ellipta FLUT FURO/VILA 200/25mcg ≥18yrs	fluticasone furoate-vilanterol 200-25 mcg/dos...
Clinic	#InhalerAsthma_ICS/LABA_Symbicort Turbuhaler BUDE/FORM 100/6mcg CONTROLLER + RELIEVER ≥12yrs	budesonide-formoterol 100-6 mcg/actuation ...
Clinic	#InhalerAsthma_ICS/LABA_Symbicort Turbuhaler BUDE/FORM 100/6mcg CONTROLLER ≥12yrs	budesonide-formoterol 100-6 mcg/actuation 1...
Clinic	#InhalerAsthma_ICS/LABA_Symbicort Turbuhaler BUDE/FORM 200/6mcg CONTROLLER + RELIEVER ≥12yrs	budesonide-formoterol 200-6 mcg/actuation ...
Clinic	#InhalerAsthma_ICS/LABA_Symbicort Turbuhaler BUDE/FORM 200/6mcg CONTROLLER ≥12yrs	budesonide-formoterol 200-6 mcg/actuation 1...
Clinic	#InhalerAsthma_ICS/LABA_Symbicort Turbuhaler BUDE/FORM 200/6mcg RELIEVER ≥12yrs **ODB LU NOT APPLICABLE	budesonide-formoterol 200-6 mcg/actuation 1...
Personal	#InhalerAsthma_Symbicort Turbuhaler 100/6mcg CONTROLLER + RELIEVER ≥12yrs	budesonide-formoterol 100-6 mcg/actuation Various

Buttons: Add Duplicate Remove

Prescription Favourite:

Shortcut: + RELIEVER ≥12yrs Favourite Type: Personal Move to Clinic Favourites

Description: budesonide-formoterol 100-6 mcg/actuation Various

Name: **budesonide-formoterol 100-6 mcg/actuation**
 1 inhalation 2 times daily for 30 days
 For: Symbicort Turbuhaler as CONTROLLER
 and 1-2 inhalations 4 times daily PRN for 30 days
 as RELIEVER; max 8 inh in 24h from ALL doses; max 6 inh on 1 occasion; LU 330

Quantity: 1 inhaler(s) Refills: Auto Discontinue

Instructions for pharmacy: LU 330

Buttons: Less Details More Details

Prescriptions préférées

- Notez les "Favoris de prescription" qui indiqueront l'alternative à faible teneur en carbone au moment de la nouvelle prescription.
- Rappel facile de prescrire des inhalateurs à faible teneur en carbone.

Outil créé par Brenda Chang, praticienne en pharmacie clinique à l'hôpital St. Michael's.

EMR Toolbar

- Make reminders for prescribers when they open a patient's chart
- Easy reminder to prescribe low-carbon alternative inhalers.

Tool created by Lillian Ferreira, Respiratory Therapist, and Jadie Lo, Pharmacist, at Toronto Western Family Health Team

The screenshot displays an EMR interface. On the left, a sidebar lists patient history (CAD, COPD, Diabetes Type 2 -Silver, Heart Failure, Heart disease..., Hypertension, Dementia, Irritable Bowel Disease), past history (no do you currently smoke?, # R femur (2016), # (R) wrist), medications (Champix Various, azithromycin 1000mg PO x1 in clinic, penicillin g benzathine 1,200,000 unit/2..., Mifegymiso 200 mg (1)- 200 mcg (4) as..., Lantus Solostar U-100 Insulin 100 unit/..., morphine sulfate 5 mg/mL 1 ml every 4..., metformin 1000 mg 2 times daily, ceftriaxone 250mg IM), and allergies (? Penicillins, ? Tylenol Arthritis Pain oral-> sneezing). The main content area features a toolbar with buttons for 'Diabetes', 'Visit Form', 'Last Visit: Feb 15, 2023', 'K030:', and 'Q040:'. Below this is the 'myUHN' logo and a 'Substitute Decision Maker' button. A 'Prev Care' button is also visible. The 'Last Checked:' field is empty, and the 'Update:' field has options for 'never smoked', 'current smoker', and 'ex-smoker'. There are buttons for 'Ask & Advise' (dated Nov 11, 2022) and 'Init Visit E079:'. A navigation bar includes 'cean' and various tools like 'Import', 'SOAP', 'BP', 'Wt', 'Ht', 'COVID-19 Assessment', 'Bathurst -HP Referral', 'IBM Micromedex eCPS', 'LU Codes', 'ODB', 'EAP', 'Inhalers & Alternatives', and 'Fibrosis-4 (FIB-4) Calculat...'. A prominent message reads: 'Make the Switch - consider switching to Flovent Diskus, Arnuity Ellipta or Pulmicort Turbuhaler'. Below this, it states: 'If Flovent MDI device is most appropriate inhaler, ensure to review inhaler technique.' The 'cean' logo is also present with options for 'View in Ocean', 'Email', 'Attach', 'Form', 'Import', 'Portal', 'ON eConsult', and 'Refer'. At the bottom, there is a toolbar with icons for various functions and a message bar showing 'Prev RXJA Msg', 'RXJA: 11 messages', and 'Next RXJA Msg'.

Barre d'outils DME

- Faire des rappels aux prescripteurs lorsqu'ils ouvrent le dossier d'un patient
- Rappel facile de prescrire des inhalateurs à faible teneur en carbone.

Outil créé par Lillian Ferreira, inhalothérapeute, et Jadie Lo, pharmacienne, de la Toronto Western Family Health Team

Sustainable Inhaler Initiative Status Update & Summary of Changes

Current change status:

- 69% of inhalers currently prescribed are DPIs (March 2023)
- In October 2019, only 38% of inhalers prescribed at the TW FHT were DPIs

1. INFORMATION TO STAFF

Dissemination of information to TW FHT healthcare professionals

- Grand Rounds (all team members)
- Nursing Meeting
- Physician Meeting
- Team huddles – operational updates
- Email

2. **PATIENT-FACING INFOGRAPHICS** on **digital signage** in clinic waiting areas

3. **PATIENT-FACING INFOGRAPHICS** with additional description of initiative in e-newsletter for patients

4. EMR CHANGES

Ventolin Blitz targeting patients with Ventolin (Salbutamol) MDI listed in their EMR:

- Toolbar created, with the following features:
 - Pictograph of Ventolin
 - Message stating that more environmentally options available
 - Alternative options listed
- More environmentally friendly inhalers listed on favourites list when prescribing inhalers
- Instructions to pharmacy: review inhaler technique, no substitutes
- February 1st to February 28, 2023

Flovent Blitz targeting patients with Ventolin (Salbutamol) MDI listed in their EMR:

- Toolbar created, with the following features:
 - Pictograph of Flovent
 - Message stating that more environmentally options available
 - Alternative options listed
- More environmentally friendly inhalers listed on favourites list when prescribing inhalers
- Instructions to pharmacy: review inhaler technique, no substitutes
- March 13, 2023 to April 14th, 2023
- Example of toolbar:



Make the Switch - consider switching to Flovent Diskus, Arnuity Ellipta or Pulmicort Turbuhaler

If Flovent MDI device is most appropriate inhaler, ensure to review inhaler technique.

Email SBAR updates were sent to all TW FHT staff prior to start of each blitz (see below)

Sustainable Inhaler Initiative

Status Update & Summary of Changes



Use technology to enhance the patient and provider experience

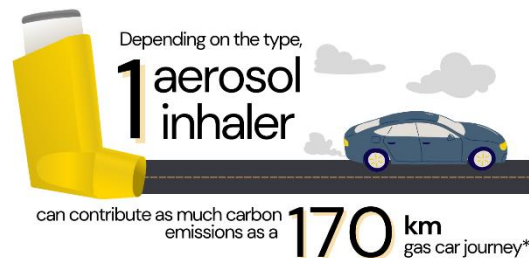
<p>What</p>	<p>Did you know:</p> <p>Ventolin MDI is our #1 prescribed inhaler?</p> <p>200 doses of a metered dose inhaler (1 inhaler) is equivalent to driving 580km?</p> <p>This month, we are focusing our inhaler switch strategy to patients over the age of 12 who have been prescribed Ventolin MDI or Salbutamol.</p> <p>A toolbar will appear for the month of February to encourage you to have a conversation with your patient to switch to a more environmentally friendly inhaler option.</p> <p>For new SABA inhaler prescriptions, please select from the prescription favourites. In addition, review inhaler technique will be added to the “Instructions to Pharmacy” line.</p> <p>Where and when Ventolin MDI (Salbutamol MDI) remains the best option for your patient, please consider the following:</p> <ol style="list-style-type: none"> 1. Prescribe more environmentally friendly options: <i>TEVA-Salbutamol or Airomir</i> 2. Ensure patients use an AeroChamber with their MDI inhaler and review correct inhaler technique. 3. Limit refills to 2 to ensure appropriate use of inhaler therapy.
<p>Why</p>	<p>As part of our CASCADES Climate Conscious Inhaler Prescribing Collaborative with the University of Toronto, we are on target to reduce the number of Ventolin (Salbutamol) use among our patients. In the last quarter, 41% of inhalers prescribed at our FHT were MDIs.</p>
<p>How it will affect you</p>	<p>Change in prescribing practice to reflect our climate conscious prescribing goals.</p>



Use technology to enhance the patient and provider experience

What

Did you know?



*Stoyanova V, Cully C. Detailed Inhaler Carbon Footprint Chart. Available from <https://cascadescanada.ca/resources/inhalers/>

This month, we are focusing on **Flovent MDI (or Fluticasone MDI)** for our inhaler switch strategy. The strategy is for patients over the **age of 12**.

A toolbar will appear for the month of March to encourage you to have a conversation with your patient to switch to a more **environmentally friendly inhaler** option.

For new ICS inhaler prescriptions, please select from the prescription favourites. In addition, “**Review inhaler technique**” will be added to the Instructions to Pharmacy line.

Where and when **Flovent MDI (Fluticasone MDI)** remains the best option for your patient, please consider the following:

1. Ensure patients use an AeroChamber with their MDI inhaler and review correct inhaler technique.
2. Limit refills to ensure appropriate use of inhaler therapy and ongoing follow-up.

Why

As part of our [CASCADES Climate Conscious Inhaler Prescribing Collaborative](#) with the University of Toronto, we are on target to reduce the number of MDI use among our patients.

How it will affect you

Change in prescribing practice to reflect our climate conscious prescribing goals.

Pharmacy Recommendation Form

- Make a pharmacy assessment and recommendation of a patient's inhalers.
- Gives prescriber options on how to proceed with patient.

Tool created by Megi Qirkollari, Pharmacy Resident, St. Michael's Hospital.

PHARMACY RECOMMENDATION FOR CLIMATE CONSCIOUS INHALER PRESCRIBING

This form was developed as part of a quality improvement project. The goal of this project is to facilitate a shift from the use of Metered Dose Inhalers to Dry Powder Inhalers in an effort to promote climate conscious prescribing.

Pharmacy Assessment

Start time: End time:

Patient has Asthma listed in the Problem List or Past Medical History | Yes | No

Patient has documented PFTs confirming asthma diagnosis | Yes | No

Patient is currently on the following MDI(s):

Patient is currently on the following DPI(s):

Patient is a candidate for a switch to dry powder inhaler | Yes | No

Pharmacist Recommendation

Prescriber Options (choose ONE)

Agree with recommendation, prescriber to email patient*

**MRP to open email template in Ocean; select 'MDI QI Project' template*

Agree with recommendation, prescriber to contact patient-->

Agree with recommendation, prescriber to discuss with patient at next appointment-->

Not appropriate for this patient (please provide an explanation):

Formulaire de recommandation en pharmacie

- Faire une évaluation et une recommandation de la pharmacie concernant les inhalateurs d'un patient.
- Donne au prescripteur des options sur la façon de procéder avec le patient.

Outil créé par Megi Qirkollari, résidente en pharmacie, à l'hôpital St. Michael's