

Supplementary information

Table S1. Medication included in each medication category .

Medication category	Medications
SABA	Albuterol (salbutamol), Levalbuterol, Terbutaline, Fenoterol
SAMA	Ipratropium, Oxitropium
SAMA-SABA	Ipratropium-Fenoterol, Ipratropium-Salbutamol
LABA	Arformoterol, Formoterol, Salmeterol, Olodaterol, Indacaterol
LAMA	Acclidinium, Glycopyrrolate, Tiotropium, Umeclidinium, Glycopyrrolate, Revefenacin
LAMA-LABA	Acclidinium/formoterol, Glycopyrrolate/indacaterol, Glycopyrrolate /formoterol, Tiotropium/olodaterol, Umeclidinium/vilanterol
LABA-ICS	Budesonide-formoterol, Fluticasone propionate-salmeterol, Fluticasone propionate-salmeterol, Fluticasone furoate-vilanterol, Mometasone-formoterol
LAMA-LABA-ICS	Budesonide/glycopyrrolate/formoterol, Fluticasone furoate/umeclidinium/vilanterol, Beclometasone/formoterol/glycopyrronium

Abbreviations: SABA, short-acting beta agonists; SAMA, short-acting muscarinic antagonists; LABA, long-acting β -agonists; LAMA, long-acting muscarinic antagonists; ICS, inhaled corticosteroids. .