

Supplemental materials for

Dambha-Miller H, Griffin SJ, Young D, et al. The use of primary care big data in understanding the pharmacoepidemiology of COVID-19: a consensus statement from the COVID-19 Primary Care Database Consortium. *Ann Fam Med.* 2021;19(2):135-140.

Supplemental Appendix 1

Angiotensin Converting Enzyme-Inhibitors including:

Captopril
Enalapril maleate
Enalapril with hydrochlorothiazide
Fosinopril sodium
Imidapril hydrochloride
Lisinopril
Lisinopril with hydrochlorothiazide
Perindopril arginine
Perindopril arginine with indapamide
Perindopril erbumine
Quinapril
Quinapril with hydrochlorothiazide
Ramipril
Ramipril with felodipine
Trandolapril

Angiotensin Receptor Blocker and combinations including:

Amlodipine with valsartan
Azilsartan medoxomil
Candesartan cilexetil
Eprosartan
Irbesartan
Irbesartan with hydrochlorothiazide
Losartan potassium
Losartan with hydrochlorothiazide
Olmesartan medoxomil
Olmesartan with amlodipine
Olmesartan with amlodipine and hydrochlorothiazide

Olmesartan with hydrochlorothiazide
Sacubitril with valsartan
Telmisartan
Telmisartan with hydrochlorothiazide
Valsartan
Valsartan with hydrochlorothiazide

Non-steroidal Anti-inflammatory Drugs including:

Aceclofenac
Aspirin
Aspirin with codeine
Aspirin with metoclopramide
Benzydamine hydrochloride
Bromfenac
Celecoxib
Dexibuprofen
Dexketoprofen
Diclofenac
Diclofenac potassium
Diclofenac sodium
Diclofenac sodium with misoprostol
Etodolac
Etoricoxib
Felbinac
Flurbiprofen
Ibuprofen
Indometacin
Ketoprofen
Ketorolac trometamol
Mefenamic acid
Meloxicam
Nabumetone
Naproxen
Naproxen with esomeprazole

Nepafenac
Parecoxib
Piroxicam
Sulindac
Tenoxicam
Tiaprofenic acid
Tolfenamic acid
Tramadol with dexketoprofen

Chloroquines including:

Chloroquine
Hydroxychloroquine sulfate
Quinine

Thiazolidinediones and their combinations including:

Pioglitazone with metformin
Pioglitazone

Metformin and its combinations including:

Alogliptin with metformin
Canagliflozin with metformin
Dapagliflozin with metformin
Empagliflozin with metformin
Linagliptin with metformin
Metformin hydrochloride
Saxagliptin with metformin
Sitagliptin with metformin
Vildagliptin with metformin

Sulphonylureas including:

Glibenclamide
Gliclazide
Glimepiride
Glipizide
Tolbutamide

Insulin including:

Insulin aspart
Insulin glulisine
Insulin lispro
Insulin degludec with liraglutide
Insulin detemir
Insulin glargine
Insulin glargine with lixisenatide
Protamine zinc insulin
Biphasic isophane insulin
Biphasic insulin aspart
Biphasic insulin lispro
Insulin degludec
Isophane insulin

Sodium glucose co-transporter 2 inhibitors and combinations including:

Canagliflozin
Canagliflozin with metformin
Dapagliflozin
Dapagliflozin with metformin
Empagliflozin
Empagliflozin with linagliptin
Empagliflozin with metformin
Ertugliflozin
Saxagliptin with dapagliflozin

Gliptans and its combinations including:

Alogliptin
Alogliptin with metformin
Empagliflozin with linagliptin
Linagliptin
Linagliptin with metformin
Saxagliptin
Saxagliptin with dapagliflozin
Saxagliptin with metformin
Sitagliptin
Sitagliptin with metformin

Vildagliptin
Vildagliptin with metformin

Glucagon-like peptide-1 receptor agonists and combinations including:

Dulaglutide
Exenatide
Insulin glargine with lixisenatide
Liraglutide
Lixisenatide
Semaglutide

Meglitinides including:

Nateglinide
Repaglinide

Protease inhibitors including:

Atazanavir
Atazanavir with cobicistat
Darunavir
Darunavir with cobicistat
Darunavir with cobicistat, emtricitabine and tenofovir alafenamide
Fosamprenavir
Lopinavir with ritonavir
Ombitasvir with paritaprevir and ritonavir
Ritonavir
Saquinavir
Tipranavir

TNF inhibitors including:

Adalimumab
Certolizumab pegol
Etanercept
Golimumab

Infliximab

Oral steroids including:

Deflazacort
Dexamethasone
Fludrocortisone acetate
Hydrocortisone
Prednisolone

Inhaled and nasal steroids including:

Beclometasone dipropionate
Beclometasone with formoterol
Beclometasone with formoterol and glycopyrronium
Betamethasone
Budesonide
Budesonide with formoterol
Ciclesonide
Fluticasone with azelastine
Fluticasone with formoterol
Fluticasone with salmeterol
Fluticasone with umeclidinium and vilanterol
Fluticasone with vilanterol
Mometasone furoate
Triamcinolone acetonide

Other immune modulators including:

Allopurinol
Azathioprine
Ciclosporin
Cyclophosphamide
Mercaptopurine
Methotrexate
Mycophenolate mofetil
Pimecrolimus
Sirolimus

Tacrolimus

Monoclonal antibodies including:

Atezolizumab
Avelumab
Benralizumab
Bevacizumab
Brentuximab vedotin
Canakinumab
Cemiplimab
Cetuximab
Daratumumab
Dinutuximab beta
Durvalumab
Elotuzumab
Gemtuzumab ozogamicin
Inotuzumab ozogamicin
Ipilimumab
Mepolizumab
Necitumumab
Nivolumab
Obinutuzumab
Omalizumab
Palivizumab
Panitumumab
Pembrolizumab
Pertuzumab
Ramucirumab
Reslizumab
Rituximab
Siltuximab
Trastuzumab
Trastuzumab emtansine
Basiliximab

Cytokine-neutralising monoclonal antibodies including:

Anakinra

Brodalumab
Dupilumab
Guselkumab
Ixekizumab
Risankizumab
Sarilumab
Secukinumab
Tildrakizumab
Tocilizumab
Ustekinumab

Anti-lymphocyte monoclonal antibodies:

Alemtuzumab
Basiliximab
Belimumab
Natalizumab
Ocrelizumab
Vedolizumab

Janus kinase inhibitors including:

Baricitinib
Tofacitinib
Upadacitinib

Proton pump inhibitors including:

Esomeprazole
Lansoprazole
Naproxen with esomeprazole
Omeprazole
Pantoprazole
Rabeprazole sodium

Statins including:

Atorvastatin
Fluvastatin
Rosuvastatin

Simvastatin
Simvastatin with ezetimibe
Simvastatin with fenofibrate
Pravastatin sodium

Anti-platelets including:

Aspirin
Cilostazol
Clopidogrel
Dipyridamole
Dipyridamole with aspirin
Prasugrel
Selexipag
Ticagrelor

Oral anticoagulants including:

Acenocoumarol
Apixaban
Edoxaban
Phenindione
Rivaroxaban
Warfarin sodium

Calcium channel blockers including:

Amlodipine
Amlodipine with valsartan
Atenolol with nifedipine
Diltiazem hydrochloride
Felodipine
Lacidipine
Lercanidipine hydrochloride
Nicardipine hydrochloride
Nifedipine
Olmesartan with amlodipine
Olmesartan with amlodipine and hydrochlorothiazide

Ramipril with felodipine

Verapamil hydrochloride

Supplemental Appendix 2

Sociodemographic variables:

Age
Sex
Ethnicity
Index of Multiple Deprivation
Geographical Location
Smoking status
Alcohol intake
Body mass index

Co-morbidities:

COPD
Asthma
Cystic Fibrosis
Rheumatoid arthritis
Ankylosing spondylitis
Inflammatory bowel disease
Diabetes Mellitus
Hypertension
Cardiovascular Disease
Chronic Liver Disease
Chronic Kidney Disease
Epilepsy
Severe mental illness
Dementia

Parkinson's disease
Vitamin D Deficiency

Social care variables:

Frailty score, e.g. Electronic Frailty Index (eFI)
Falls
Care Home/Nursing Home Resident
Poor mobility bed ridden or housebound