

# RightMed® comprehensive medication list

The OneOme RightMed comprehensive test is a provider-ordered pharmacogenomic test that covers hundreds of prescription medications. These medications are used for treating common medical indications:

Acute migraine, ADHD, Allergies, Alzheimer's disease, Anticoagulation, Antiplatelet therapy, Anxiety, Arrhythmias, Bacterial infection, Benign prostatic hyperplasia, Cancer, Chronic hepatitis C, Depression, Diabetes, Dyslipidemia, Fungal infection, Gastroesophageal reflux disease, Gout, HIV infection, Hypertension, Immunosuppression, Migraine prophylaxis, Overactive bladder, Pain, Parkinson's disease, Psychosis, Rheumatoid arthritis, Seizure, Sleep disorders, Smoking cessation

## GENOTYPE-DERIVED MEDICATIONS

The following tables list medications that will be binned according to an individual patient's genotype and the medication interaction determined by the RightMed comprehensive test. Binning consists of major, moderate, and minimal gene-drug interactions.

### ALLERGY

Loratadine

### ANALGESIC / ANESTHESIOLOGY

Alfentanil  
Buprenorphine  
Carisoprodol  
Codeine\*  
Cyclobenzaprine  
Fentanyl  
Hydrocodone  
Methadone  
Midazolam  
Oxycodone  
Tramadol\*

### ANTI-INFLAMMATORY

Celecoxib  
Diclofenac  
Flurbiprofen  
Meloxicam  
Piroxicam

### ANTICOAGULANT / ANTIPLATELET

Apixaban  
Cilostazol  
Clopidogrel\*  
Ticagrelor  
Warfarin

### CARDIOVASCULAR

Aliskiren  
Amiodarone  
Amlodipine  
Atorvastatin  
Azilsartan\*\*  
Carvedilol  
Clonidine  
Diltiazem  
Disopyramide  
Dofetilide  
Dronedaron  
Eplerenone  
Felodipine  
Flecainide  
Fluvastatin  
Guanabenz  
Irbesartan  
Labetalol  
Lidocaine  
Lomitapide

Losartan  
Lovastatin  
Metoprolol  
Nifedipine  
Nisoldipine  
Pravastatin  
Propafenone  
Propranolol  
Quinidine  
Ranolazine  
Simvastatin  
Timolol  
Verapamil

### DIETARY

Caffeine

### ENDOCRINOLOGY

Chlorpropamide  
Ethinyl estradiol  
Glimepiride  
Glipizide  
Glyburide  
Nateglinide  
Tolbutamide

### GASTROENTEROLOGY

Aprepitant  
Dexlansoprazole  
Dolasetron  
Esomeprazole  
Lansoprazole  
Omeprazole  
Ondansetron  
Pantoprazole  
Rabeprazole

### GENETIC DISEASE

Eliglustat  
Ivacaftor

### IMMUNOSUPPRESSION

Azathioprine\*\*  
Cyclosporine  
Everolimus  
Sirolimus  
Tacrolimus

### INFECTIOUS DISEASE

Atazanavir  
Atovaquone/Proguanil\*  
Clarithromycin  
Darunavir

Delavirdine  
Efavirenz  
Erythromycin  
Fosamprenavir\*\*  
Indinavir  
Isavuconazole\*\*  
Itraconazole  
Ivermectin  
Ketoconazole  
Maraviroc  
Mefloquine  
Nelfinavir  
Nevirapine  
Peginterferon alfa-2a-containing regimens  
Peginterferon alfa-2b-containing regimens  
Quinidine  
Quinine  
Ritonavir  
Saquinavir  
Simeprevir  
Telithromycin  
Terbinafine  
Tipranavir  
Voriconazole

### NEUROLOGY

Brivaracetam  
Carbamazepine  
Clobazam  
Dextromethorphan/  
Quinidine  
Donepezil  
Eletriptan  
Ethosuximide  
Fosphenytoin\*\*  
Frovatriptan  
Nicotine  
Phenytoin  
Rasagiline  
Tetrabenazine  
Zonisamide

### ONCOLOGY

Axitinib  
Belinostat  
Bortezomib  
Bosutinib  
Brentuximab vedotin  
Cabazitaxel  
Capecitabine\*\*  
Crizotinib  
Dasatinib  
Docetaxel

Enzalutamide  
Erlotinib  
Etoposide  
Everolimus  
Exemestane  
Fluorouracil\*\*  
Gefitinib  
Ifosfamide\*  
Imatinib  
Irinotecan  
Ixabepilone  
Lapatinib  
Mercaptopurine\*\*  
Methotrexate  
Nilotinib  
Paclitaxel  
Pazopanib  
Ponatinib  
Regorafenib  
Ruxolitinib  
Sorafenib  
Sunitinib  
Tamoxifen\*  
Temsilolimus  
Teniposide  
Thioguanine\*\*  
Trabectedin  
Vemurafenib  
Vincristine  
Vinorelbine

### PSYCHIATRY

Alprazolam  
Amitriptyline  
Aripiprazole  
Asenapine  
Atomoxetine  
Brexipiprazole  
Bupropion  
Buspirone  
Cariprazine  
Chlorpromazine  
Citalopram  
Clomipramine  
Clozapine  
Desipramine  
Diazepam  
Doxepin  
Duloxetine  
Escitalopram  
Flibanserin  
Fluoxetine  
Fluvoxamine  
Guanfacine  
Haloperidol

Iloperidone  
Imipramine  
Levomilnacipran  
Lurasidone  
Mirtazapine  
Nefazodone  
Nortriptyline  
Olanzapine  
Paroxetine  
Perphenazine  
Pimozide  
Protriptyline  
Quetiapine  
Risperidone  
Selegiline  
Sertraline  
Thioridazine  
Trazodone  
Trimipramine  
Venlafaxine  
Vilazodone  
Vortioxetine

### PULMONARY

Dextromethorphan  
Indacaterol  
Salmeterol  
Sildenafil  
Tadalafil

### RHEUMATOLOGY

Cevimeline  
Colchicine  
Lesinurad  
Methotrexate  
Tofacitinib

### SLEEP MEDICINE

Armodafinil  
Eszopiclone  
Modafinil  
Ramelteon  
Triazolam  
Zolpidem

### UROLOGY

Darifenacin  
Fesoterodine\*\*  
Finasteride  
Oxybutynin  
Sildenafil  
Tadalafil  
Tamsulosin  
Tolterodine  
Vardenafil

\*CYP ACTIVATED PRODRUGS: These drugs must be metabolized by CYP enzymes into their pharmacologically active form.

\*\*NON-CYP ACTIVATED PRODRUGS: These drugs are converted to their pharmacologically active form through processes independent of CYP involvement.

## IMPACT OF METABOLIC STATUS ON MEDICATION ACTIVITY

METABOLIC STATUS	PRODRUGS	ACTIVE DRUGS
Rapid and ultrarapid metabolizers	May cause side effects or toxicity	May lack efficacy
Normal metabolizers	Presumed normal level of drug activity	Presumed normal level of drug activity
Intermediate metabolizers	May have reduced efficacy	May cause side effects or toxicity
Poor metabolizers	May lack efficacy	May cause side effects or toxicity

### MEDICATIONS WITH LIMITED GENETIC IMPACT

Pharmacogenomic testing is not relevant in informing a prescription decision for all medications. The genes tested on the RightMed comprehensive test will not yield meaningful information for these medications because these medications have been shown to be unaffected by any known, clinically relevant genetic variants at this time.

For more information on these medications, see [oneome.com/limited-pgx-drugs](http://oneome.com/limited-pgx-drugs).

The following table lists medications available in our online RightMed® Advisor, which includes information on their classification and drug-to-drug interactions.

#### **ALLERGY**

Desloratadine  
Phenylephrine

#### **ANALGESIC / ANESTHESIOLOGY**

Dexmedetomidine  
Hydromorphone  
Naloxone  
Naltrexone

#### **ANTICOAGULANT /ANTI-PLATELET**

Dalteparin  
Enoxaparin  
Heparin  
Prasugrel  
Tirofiban

#### **ANTIDOTE**

Sodium nitrite  
Succimer

#### **CARDIOVASCULAR**

Alirocumab  
Atenolol  
Benazepril  
Chlorthalidone  
Colesevelam  
Digoxin  
Enalapril  
Ezetimibe  
Fenofibric acid  
Fosinopril  
Furosemide  
Gemfibrozil  
Hydrochlorothiazide  
Lisinopril  
Nitroglycerin  
Perindopril  
Ramipril  
Rosuvastatin

Sotalol

Spirolactone  
Telmisartan

#### **ENDOCRINOLOGY**

Exenatide  
Ibandronate  
Insulin aspart  
Insulin aspart protamine/  
Insulin aspart  
Insulin aspart/  
Insulin degludec  
Insulin degludec  
Insulin detemir  
Insulin glargine  
Insulin glulisine  
Insulin lispro  
Insulin lispro protamine/  
Insulin lispro  
Insulin NPH  
Insulin NPH/Insulin regular  
Insulin regular  
Insulin regular  
(oral inhalation)  
Levothyroxine  
Metformin  
Pamidronate  
Propylthiouracil  
Risedronate  
Vasopressin

#### **GASTROENTEROLOGY**

Adalimumab  
Certolizumab pegol  
Infliximab

#### **GENETIC DISEASE**

Sapropterin  
Sodium phenylbutyrate  
Velaglycerase alfa

#### **HEMATOLOGY**

Darbepoetin alfa  
Decitabine  
Epoetin alfa

#### **IMMUNOSUPPRESSION**

Mycophenolate

#### **INFECTIOUS DISEASE**

Atovaquone  
Cefdinir  
Ceftriaxone  
Fluconazole  
Flucytosine  
Levofloxacin  
Meropenem  
Moxifloxacin  
Nitrofurantoin  
Nystatin  
Piperacillin  
Posaconazole  
Ribavirin  
Sofosbuvir  
Sulfadiazine  
Vancomycin  
Zanamivir

#### **NEUROLOGY**

Gabapentin  
Interferon beta-1a  
Interferon beta-1b  
Levetiracetam  
Memantine  
Pramipexole  
Pregabalin  
Rivastigmine  
Vigabatrin

#### **ONCOLOGY**

Afatinib  
Alemtuzumab  
Asparaginase  
Bevacizumab

Bleomycin  
Carboplatin  
Cetuximab  
Fulvestrant  
Ibritumomab  
Lenalidomide  
Leucovorin calcium  
Obinutuzumab  
Ofatumumab  
Oxaliplatin  
Panitumumab  
Pemetrexed  
Pertuzumab  
Rituximab  
Temozolomide  
Thalidomide  
Trastuzumab

#### **PSYCHIATRY**

Desvenlafaxine  
Lithium  
Milnacipran  
Paliperidone  
Varenicline

#### **PULMONARY**

Albuterol  
Levalbuterol  
Montelukast  
Tiotropium

#### **RHEUMATOLOGY**

Adalimumab  
Belimumab  
Certolizumab pegol  
Etanercept  
Infliximab  
Probenecid

#### **SLEEP MEDICINE**

Temazepam