

PATHWAYS FOR COMMON MEDICATIONS

CYP2D6			
PSYCHIATRY		PAIN MANAGEMENT	
Antidepressants			
Amitriptyline	Elavil	Codeine**	Various brands
Amoxapine	Asendin	Dihydrocodeine**	Trezix, Synalgos-DC
Atomoxetine	Strattera	Hydrocodone**	Hysingla, Norco, Lortab, Vicodin
Clomipramine	Anafranil	Oxycodone**	Oxycontin, Percocet, Roxicet
Desipramine	Norpramin	Tramadol**	Conzip, Ultram
Doxepin	Silenor		
Duloxetine	Cymbalta	CARDIOLOGY	
Fluoxetine	Prozac, Sarafem, Selfemra	Betaxolol	Generic
Fluvoxamine	Luvox	Carvedilol	Coreg
Imipramine	Tofranil	Flecainide	Generic
Maprotiline	Generic	Metoprolol	Toprol-XL, Lopressor
Mirtazapine	Remeron	Nebivolol	Bystolic
Nortriptyline	Pamelor	Propafenone	Rythmol
Paroxetine	Paxil, Brisdelle, Pexeva	Propranolol	Inderal, InnoPran XL
Protriptyline	Vivactil	Timolol	Generic
Trimipramine	Surmontil		
Venlafaxine	Effexor	OTHER	
Vortioxetine	Trintellix	Carteolol	Ocupress
		Cevimeline	Evoxac
		Chlomiphene**	Clomid
		Chlorpheniramine	Chlor-Tabs, Chlor-Trimeton
Antipsychotics, Other Psychotropics			
Amphetamine/		Dexchlorpheniramine	Generic
Dextroamphetamine	Adderall, Dexedrine	Dextromethorphan	Delsym
Aripiprazole	Abilify, Aristada	Dimenhydrinate	Dramamine
Brexiprazole	Rexulti	Diphenhydramine	Benadryl
Chlorpromazine	Generic	Donepezil	Aricept
Haloperidol	Haldol	Doxorubicin	Adriamycin, Doxil
Iloperidone	Fanapt	Eliglustat	Cerdelga
Lisdexamfetamine	Vyvanse	Gefitinib	Iressa
Perphenazine	Generic	Loratadine	Claritin
Pimozide	Orap	Meclizine	Antivert, Dramamine Less Drowsy
Risperidone	Risperdal	Promethazine	Phenergan
Thioridazine	Generic	Tamoxifen**	Soltamox
Zuclopenthixol	Cisordinol, Clopixon	Tetrabenazine	Xenazine
		Umeclidinium	Incruse Ellipta, Anoro Ellipta
UROLOGY			
Darifenacin	Enablex		
Fesoterodine	Toviaz		
Tamsulosin	Flomax		
Tolterodine	Detrol		

**Indicates prodrug

CYP2C19		CYP2C9	
Amitriptyline	Elavil	Azilsartan	Edarbi
Carisoprodol**	Soma	Bosentan	Tracleer
Citalopram	Celexa	Celecoxib	Celebrex
Clobazam	Onfi	Diclofenac	Voltaren, Pennsaid, Zorvolex
Clomipramine	Anafranil	Flurbiprofen	Generic
Clopidogrel**	Plavix	Fluvastatin	Lescol
Dexlansoprazole	Dexilant	Glimepiride	Amaryl
Diazepam	Valium, Diastat	Glipizide	Glucotrol
Doxepin	Silenor	Glyburide	Diabeta, Glynase
Escitalopram	Lexapro	Ibuprofen	Advil, Motrin
Esomeprazole	Nexium	Losartan	Cozaar
Imipramine	Tofranil	Meloxicam	Mobic, Vivlodex
Lansoprazole	Prevacid	Naproxen	Aleve, Naprelan, Naprosyn
Methadone (active portion)	Dolophine, Methadose	Nateglinide	Starlix
Nelfinavir	Viracept	Phenytoin	Dilantin, Phenytek
Omeprazole	Prilosec	Piroxicam	Feldene
Pantoprazole	Protonix	Rosuvastatin	Crestor
Proguanil	Malarone	Tolbutamide	Orinase
Rabeprazole	Aciphex	Warfarin	Coumadin, Jantoven
Sertraline	Zoloft	Zafirlukast	Accolate
Trimipramine	Surmontil		
Voriconazole	Vfend		

**Indicates prodrug

CYP3A4/CYP3A5

PSYCHIATRY

Benzodiazepines

Alprazolam	Xanax
Estazolam	Prosom
Midazolam	Versed
Triazolam	Halcion

Antidepressants

Levomilnacipran	Fetzima
Nefazodone	Generic
Reboxetine	Edronax
Trazodone	Desyrel
Vilazodone	Viibryd

Antipsychotics, Other Psychotropics

Brexipiprazole	Rexulti
Buspirone	Buspar
Carbamazepine	Tegretol, Equetro, Carbatrol
Cariprazine	Vraylar
Guanfacine	Intuniv
Lurasidone	Latuda
Quetiapine	Seroquel
Ziprasidone	Geodon

CARDIOLOGY

Amiodarone	Cordarone, Pacerone
Bosentan	Tracleer
Cilostazol	Pletal
Dronedarone	Multaq
Eplerenone	Inspira
Guanfacine	Tenex
Ivabradine	Corlanor
Macitentan	Opsumit
Quinidine	Generic
Ranolazine	Ranexa
Rivaroxaban	Xarelto
Sildenafil	Revatio
Tadalafil	Adcirca
Ticagrelor	Brilinta

Statins

Atorvastatin	Lipitor, Caduet
Lovastatin	Altoprev, Mevacor
Simvastatin	Zocor, Simcor, Vytorin

Ca Channel Blockers

Amlodipine	Norvasc
Diltiazem	Cardizem, Cartia XT, Taztia XT
Felodipine	Plendil
Lercanidipine	Zanidip
Nifedipine	Afeditab CR, Procardia
Nisoldipine	Sular
Nitrendipine	Various brands
Verapamil	Calan, Verelan

IMMUNOSUPPRESSANTS

Cyclosporine	Gengraf, Neoral, Sandimmune
Sirolimus	Rapamune
Tacrolimus	Prograf, Astagraf XL, Envarsus XR

PAIN MANAGEMENT

Alfentanil	Alfenta
Buprenorphine	Suboxone, Butrans
Cyclobenzaprine	Amrix, Flexeril
Dihydroergotamine	D.H.E. 45
Eletriptan	Relpax
Fentanyl	Actiq, Duragesic
Indomethacin	Indocin, Tivorbex
Ketamine	Ketalar
Sufentanil	Sufenta
Tolvaptan	Samsca

UROLOGY

Alfuzosin	Uroxatral
Avanafil	Stendra
Darifenacin	Enablex
Doxazosin	Cardura, Cardura XL
Dutasteride	Avodart
Finasteride	Proscar, Propecia
Oxybutynin	Ditropan XL, Oxytrol
Sildenafil	Viagra
Sildenafil	Rapaflo
Solifenacin	Vesicare
Tamsulosin	Flomax
Tadalafil	Cialis
Vardenafil	Levitra, Staxyn

ONCOLOGY

Axitinib	Inlyta
Bexarotene	Targretin
Dasatinib	Sprycel
Docetaxel	Taxotere
Doxorubicin	Adriamycin, Doxil
Erlotinib	Tarceva
Exemestane	Aromasin
Gefitinib	Iressa
Imatinib	Gleevec
Nilotinib	Tasigna
Pazopanib	Votrient
Regorafenib	Stivarga
Ruxolitinib	Jakafi
Sunitinib	Sutent
Vincristine	Oncovin, Marquibo Kit

STEROIDS

Beclomethasone	QNASL, QVAR
Budesonide	Entocort EC, Uceris
Ciclesonide	Alvesco
Cortisone	Generic
Dienogest	Natazia
Estradiol	Various brands
Etonogestrel	Nexplanon
Flunisolide	Aerospan HFA
Hydrocortisone	Various brands
Medroxyprogesterone	Depo-Provera, Provera
Methyltestosterone	Methyltestosterone
Norethindrone	Various brands
Progesterone	Endometrin, Prometrium
Testosterone	Various brands

CYP3A4/CYP3A5 *continued*

ANTIMICROBIALS, ANTIVIRALS		OTHER	
Atazanavir	Evotaz, Reyataz	Apremilast	Otezla
Clarithromycin	Biaxin	Aprepitant	Emend
Clindamycin	Cleocin	Azelastine	Astelin, Astepro
Cobicistat	Tybost	Bromocriptine	Cycloset, Parlodel
Daclatasvir	Daklinza	Cevimeline	Evoxac
Darunavir	Prezista	Colchicine	Colcrys, Mitigare
Delavirdine	Rescriptor	Domperidone	Motilium
Elvitegravir	Vitekta	Eszopiclone	Lunesta
Erythromycin	Ery-Tab	Ethosuximide	Zarontin
Indinavir	Crixivan	Granisetron	Sancuso
Itraconazole	Onmel, Sporanox	Loperamide	Imodium
Ivermectin	Stromectol	Fosaprepitant	Emend for Injection
Lopinavir	Kaletra	Naloxegol	Movantik
Maraviroc	Selzentry	Roflumilast	Daliresp
Nelfinavir	Viracept	Rolapitant	Varubi
Paritaprevir	Technivie, Viekra Pak	Saxagliptin	Onglyza
Praziquantel	Biltricide	Suvorexant	Belsomra
Rilpivirine	Edurant	Tasimelteon	Hetlioz
Ritonavir	Norvir	Tiagabine	Gabitril
Saquinavir	Invirase	Tofacitinib	Xeljanz, Xeljanz XR
Simeprevir	Olysio	Vilanterol	Anoro Ellipta, Breo Ellipta
Tinidazole	Tindamax	Zolpidem	Ambien, Intermezzo, Zolpimist
		Zopiclone	Imovane

**Indicates prodrug

CYP1A2

PSYCHIATRY

Asenapine	Saphris
Clozapine	Clozaril, Versacloz
Duloxetine	Cymbalta
Olanzapine	Zyprexa
Promazine	Sparine
Rasagiline	Azilect
Thiothixene	Navane

PAIN MANAGEMENT

Cyclobenzaprine	Amrix, Flexeril
Frovatriptan	Frova
Lidocaine	Various brands
Nabumetone	Relafen
Ropivacaine	Naropin
Tizanidine	Zanaflex
Zolmitriptan	Zomig

OTHER

Anagrelide	Agrylin
Caffeine	Various brands
Flutamide	Eulexin
Pirfenidone	Esbriet
Ramelteon	Rozerem
Riluzole	Rilutek
Roflumilast	Daliresp
Ropinirole	Requip, Requip XL
Tacrine	Cognex
Tasimelteon	Hetlioz
Theophylline	Theo-24, Uniphyl, Theochron
Triamterene	Dyrenium

**Indicates prodrug

PHARMACODYNAMIC PATHWAYS

SLC6A4

Citalopram	Celexa
Escitalopram	Lexapro
Fluoxetine	Prozac, Sarafem, Selfemra
Fluvoxamine	Luvox
Paroxetine	Paxil, Brisdelle, Pexeva
Sertraline	Zoloft
Vilazodone	Viibryd
Vortioxetine	Trintellix

COMT

Amphetamine/ Dextroamphetamine	Adderall, Dexedrine
Dexmethylphenidate	Focalin
Lisdexamfetamine	Vyvanse
Methylphenidate	Concerta, Ritalin, Quillivant

MTHFR

L-methylfolate	Deplin, Metanx
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FACTOR II, FACTOR V LEIDEN

Conjugated estrogens

OPRM1

Codeine**	Various brands
Dihydrocodeine**	Trelix, Synalgos-DC
Fentanyl	Actiq, Duragesic
Hydrocodone**	Hysingla, Norco, Lortab, Vicodin
Hydromorphone	Dilaudid
Morphine	Kadian, MS Contin
Naltrexone	Revia, Vivitrol
Oxycodone**	Oxycontin, Percocet, Roxicet
Oxymorphone	Opana
Sufentanil	Sufenta
Tramadol**	Conzip, Ultram

SLCO1B1

Atorvastatin	Lipitor, Caduet
Simvastatin	Zocor, Simcor, Vytorin

VKORC1

Warfarin	Coumadin, Jantoven
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