

# Summary of Medications with PGx Alerts in YouScript - Sorted Alphabetically

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**NOTE: Interactions may increase in severity depending on patient's full genetic profile and medication regimen.**

Drug	Gene	Clinical Impact	Guidelines			
			CPIC	DPWG	FDA	Other
abacavir (Ziagen)	HLA-B	Major	X	X	X	
allopurinol (Zyloprim)	HLA-B	Major	X			X
amitriptyline (Elavil)	CYP2D6	Major	X	X		
amitriptyline (Elavil)	CYP2C19	Moderate	X			
amoxapine	CYP2D6	Major	X			
aripiprazole (Abilify)	CYP2D6	Moderate		X	X	
atazanavir (Reyataz)	UGT1A1	Major	X			
atomoxetine (Strattera)	CYP2D6	Moderate			X	
atorvastatin (Lipitor)	SLCO1B1	Moderate				X
azathioprine (Azasan, Imuran)	TPMT	Major	X	X	X	
belinostat (Beleodaq)	UGT1A1	Moderate			X	
brexipiprazole (Rexulti)	CYP2D6	Moderate			X	
brivaracetam (Briviact)	CYP2C19	Minor				
bupropion (Wellbutrin)	CYP2B6	Minor				
capecitabine (Xeloda)	DPYD	Major	X	X	X	
carbamazepine (Tegretol)	HLA-A	Major				X
carbamazepine (Tegretol)	HLA-B	Major	X		X	X
carisoprodol (Soma)	CYP2C19	Minor				
carvedilol (Coreg)	CYP2D6	Minor				
celecoxib (Celebrex)	CYP2C9	Moderate			X	
cevimeline (Evoxac)	CYP2D6	Minor				
chloramphenicol (Chloromycetin)	G6PD	Minor				
chloroquine (Aralen)	G6PD	Minor				
chlorpheniramine (Chlor-Trimeton)	CYP2D6	Minor				
chlorpropamide	G6PD	Major			X	
cilostazol (Pletal)	CYP2C19	Moderate			X	
ciprofloxacin (Cipro)	G6PD	Minor				
cisplatin (Platinol)	TPMT	Minor				
citalopram (Celexa)	CYP2C19	Major	X	X	X	
citalopram (Celexa)	GRIK4	Minor				
clobazam (Onfi)	CYP2C19	Moderate			X	
clomipramine (Anafranil)	CYP2D6	Major	X	X		
clomipramine (Anafranil)	CYP2C19	Moderate	X			
clopidogrel (Plavix)	CYP2C19	Major	X	X	X	
clozapine (Clozaril)	CYP2C19	Minor				
codeine (Tylenol 3)	CYP2D6	Major	X	X	X	X
cyclophosphamide	CYP2B6	Minor				
cyclosporine (Neoral)	CYP3A4	Minor				
dabrafenib (Tafinlar)	G6PD	Minor				
dapsone (Aczone)	G6PD	Minor				

Drug	Gene	Clinical Impact	Guidelines			
			CPIC	DPWG	FDA	Other
darifenacin (Enablex)	CYP2D6	Minor				
desipramine (Norpramin)	CYP2D6	Major	X			
dexlansoprazole (Dexilant)	CYP2C19	Minor				
dextromethorphan (Nuedexta)	CYP2D6	Minor				
diazepam (Valium)	CYP2C19	Minor				
diclofenac (Voltaren)	CYP2C9	Minor				
dihydrocodeine (Synalgos-DC)	CYP2D6	Major			X	
dimercaprol (BAL in Oil)	G6PD	Minor				
dolutegravir (Tivicay)	UGT1A1	Minor				
donepezil (Aricept)	CYP2D6	Minor				
doxepin (Silenor)	CYP2D6	Major	X	X		
doxepin (Silenor)	CYP2C19	Moderate	X			
dronabinol (Marinol)	CYP2C9	Minor				
duloxetine (Cymbalta)	CYP2D6	Minor				
efavirenz (Sustiva)	CYP2B6	Moderate				X
eliglustat (Cerdelga)	CYP2D6	Major			X	
erlotinib (Tarceva)	UGT1A1	Minor				
escitalopram (Lexapro)	CYP2C19	Major	X	X		
eslicarbazepine (Aptiom)	HLA-B	Minor				
esomeprazole (Nexium)	CYP2C19	Moderate		X		
estrogen-containing HRT	F5	Moderate				X
estrogen-containing HRT	F2	Moderate				X
estrogen-containing OCs	F5	Major		X		X
estrogen-containing OCs	F2	Moderate				X
ezetimibe (Zetia)	UGT1A1	Minor				
fesoterodine (Toviaz)	CYP2D6	Minor				
flecainide (Tambocor)	CYP2D6	Moderate		X		
flibanserin (Addyi)	CYP2C19	Minor				
fluorouracil (Adrucil, Efudex)	DPYD	Major	X	X	X	
fluoxetine (Prozac)	CYP2D6	Minor				

## Chart Key

HRT: hormone replacement therapy  
 OCs: oral contraceptives  
 PEG 3350: polyethylene glycol 3350  
 PEG IFN: peginterferon  
 SMX/TPM: sulfamethoxazole/trimethoprim  
 CPIC: Clinical Pharmacogenetics Implementation Consortium  
 DPGW: Dutch Pharmacogenetics Working Group  
 FDA: Food and Drug Administration  
 Other: Professional society or guideline

# Summary of Medications with PGx Alerts in YouScript cont.

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			CPIC	DPWG	FDA	Other
fluoxetine (Prozac)	CYP2C19	Minor				
flurbiprofen (Ansaid)	CYP2C9	Minor				
fluvastatin (Lescol)	CYP2C9	Minor				
fluvoxamine (Luvox)	CYP2D6	Moderate	X			
fosphenytoin (Cerebyx)	HLA-B	Major			X	
galantamine (Razadyne)	CYP2D6	Minor				
gefitinib (Iressa)	CYP2D6	Minor				
gemifloxacin (Factive)	G6PD	Minor				
gliclazide (Diamicon)	G6PD	Major			X	
glimepiride (Amaryl)	G6PD	Major			X	
glipizide (Glucotrol)	G6PD	Major			X	
glyburide (DiaBeta)	G6PD	Major			X	
haloperidol (Haldol)	CYP2D6	Moderate		X		
hydrocodone (Vicodin)	CYP2D6	Minor				
hydroxychloroquine (Plaquenil)	G6PD	Minor				
ibuprofen (Advil, Motrin)	CYP2C9	Minor				
iloperidone (Fanapt)	CYP2D6	Moderate			X	
imipramine (Tofranil)	CYP2D6	Major	X	X		
imipramine (Tofranil)	CYP2C19	Major	X	X		
indinavir (Crixivan)	UGT1A1	Minor				
irbesartan (Avapro)	CYP2C9	Minor				
irinotecan (Camptosar)	UGT1A1	Moderate		X	X	X
irinotecan (Camptosar)	SLCO1B1	Minor				
isoniazid	NAT2	Minor				X
ivacaftor (Kalydeco)	CFTR	Major	X		X	
lamotrigine (Lamictal)	HLA-B	Minor				
lansoprazole (Prevacid)	CYP2C19	Moderate		X		
lesinurad (Zurampic)	CYP2C9	Minor				
levofloxacin (Levaquin)	G6PD	Minor				
losartan (Cozaar)	CYP2C9	Minor				
mafenide (Sulfamylon)	G6PD	Minor				
maprotiline	CYP2D6	Minor				
meloxicam (Mobic)	CYP2C9	Minor				
mercaptopurine (Purixan)	TPMT	Major	X	X	X	
mesalamine (Asacol)	G6PD	Minor				
methadone (Methadose)	CYP2B6	Minor				
methotrexate (Trexall)	SLCO1B1	Minor				
methylene blue	G6PD	Major			X	
metoprolol (Lopressor)	CYP2D6	Moderate		X		
mexiletine	CYP2D6	Minor				
mitotane (Lysodren)	CYP2B6	Minor				
moxifloxacin (Avelox)	G6PD	Minor				
nalidixic acid (NegGram)	G6PD	Minor				

Drug	Gene	Clinical Impact	Guidelines			
			CPIC	DPWG	FDA	Other
naproxen (Naprosyn, Aleve)	CYP2C9	Minor				
nefazodone (Serzone)	CYP2D6	Minor				
nelfinavir (Viracept)	CYP2C19	Minor				
nevirapine (Viramune)	CYP2B6	Minor				
nifedipine (Procardia)	CYP3A5	Minor				
nilotinib (Tasigna)	UGT1A1	Minor				
nitrofurantoin (Macrobid)	G6PD	Minor				
norfloxacin (Noroxin)	G6PD	Minor				
nortriptyline (Pamelor)	CYP2D6	Major	X	X		
ofloxacin	G6PD	Minor				
omeprazole (Prilosec)	CYP2C19	Moderate		X		
ondansetron (Zofran)	CYP2D6	Minor				
oxcarbazepine (Trileptal)	HLA-B	Minor				
oxycodone (Oxycontin)	CYP2D6	Minor				
pantoprazole (Protonix)	CYP2C19	Moderate		X		
paroxetine (Paxil)	CYP2D6	Major	X	X		
pazopanib (Votrient)	UGT1A1	Minor				
PEG IFN alpha	IFNL3	Minor				
pegloticase (Krystexxa)	G6PD	Major			X	
perphenazine (Etrafon)	CYP2D6	Moderate				X
phenazopyridine (Pyridium)	G6PD	Minor				
phenobarbital (Luminal)	HLA-B	Minor				
phenytoin (Dilantin)	CYP2C9	Moderate	X	X		
phenytoin (Dilantin)	CYP2C19	Moderate				X
phenytoin (Dilantin)	HLA-B	Major			X	
pimozide (Orap)	CYP2D6	Moderate			X	
piroxicam (Feldene)	CYP2C9	Minor				
pitavastatin (Livalo)	SLCO1B1	Moderate				X
PEG 3350 (GoLYTELY)	G6PD	Minor				
pravastatin (Pravachol)	SLCO1B1	Moderate				X
primaquine	G6PD	Minor				
primidone (Mysoline)	HLA-B	Minor				
probenecid	G6PD	Minor				
proguanil (Malarone)	CYP2C19	Minor				
propafenone (Rythmol)	CYP2D6	Moderate		X		
protriptyline (Vivactil)	CYP2D6	Minor				
quazepam (Doral)	CYP2C19	Minor				
quinine (Qualaquin)	G6PD	Major			X	
rabeprazole (Aciphex)	CYP2C19	Minor				X
rasburicase (Elitek)	G6PD	Major	X		X	
regorafenib (Stivarga)	UGT1A1	Minor				
repaglinide (Prandin)	SLCO1B1	Minor				X
risperidone (Risperdal)	CYP2D6	Moderate				X

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			CPIC	DPWG	FDA	Other
rosuvastatin (Crestor)	SLCO1B1	Moderate				X
sertraline (Zoloft)	CYP2C19	Moderate	X	X		
simvastatin (Zocor)	SLCO1B1	Moderate	X			X
sodium nitrite	G6PD	Major			X	
sorafenib (Nexavar)	UGT1A1	Minor				
sulfamethoxazole (Bactrim)	NAT2	Minor				
SMX/TPM (Bactrim)	G6PD	Minor				
sulfasalazine (Azulfidine)	G6PD	Minor				
sulfasalazine (Azulfidine)	NAT2	Minor				
tacrolimus (Prograf)	CYP3A5	Moderate	X			
tamoxifen (Nolvadex)	CYP2D6	Major		X		
tamsulosin (Flomax)	CYP2D6	Moderate			X	
tetrabenazine (Xenazine)	CYP2D6	Moderate			X	
dronabinol (Marinol)	CYP2C9	Minor				
thalidomide (Thalomid)	CYP2C19	Minor				
thioguanine (Tabloid)	TPMT	Major	X	X	X	
thioridazine (Mellaril)	CYP2D6	Major			X	
thrombosis-causing drugs	F5	Minor				
thrombosis-causing drugs	F2	Minor				
timolol (Timoptic)	CYP2D6	Minor				
tolazamide (Tolinase)	G6PD	Major			X	
tolbutamide (Orinase)	G6PD	Major			X	
tolterodine (Detrol)	CYP2D6	Minor				
toremide (Demadex)	CYP2C9	Minor				
tramadol (Ultram)	CYP2D6	Major		X		
trazodone (Oleptro)	CYP2D6	Minor				
trimipramine (Surmontil)	CYP2D6	Major	X			
trimipramine (Surmontil)	CYP2C19	Major	X			
venlafaxine (Effexor)	CYP2D6	Moderate		X		
venlafaxine (Effexor)	CYP2C19	Minor				
voriconazole (Vfend)	CYP2C19	Minor				
vortioxetine (Trintellix/Brintellix)	CYP2D6	Moderate			X	
warfarin (Coumadin)	CYP2C9	Moderate	X		X	
warfarin (Coumadin)	VKORC1	Moderate	X		X	

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