

# Interactions with NRTIs

Charts revised July 2020. Full information available at [www.hiv-druginteractions.org](http://www.hiv-druginteractions.org)

Please note that if a drug is not listed it cannot automatically be assumed it is safe to coadminister.

	ABC	ddl	FTC	F/TAF	F/TDF	3TC	d4T	TDF	ZDV
<b>Anaesthetics &amp; Muscle Relaxants</b>									
Alcuronium	♦	♦	♦	♦	♦	♦	♦	♦	♦
Bupivacaine	♦	♦	♦	♦	♦	♦	♦	♦	♦
Cisatracurium	♦	♦	♦	♦	♦	♦	♦	♦	♦
Desflurane	♦	♦	♦	♦	♦	♦	♦	♦	♦
Dexmedetomidine	♦	♦	♦	♦	♦	♦	♦	♦	♦
Enflurane	♦	♦	♦	♦	♦	♦	♦	♦	♦
Ephedrine	♦	♦	♦	♦	♦	♦	♦	♦	♦
Etidocaine	♦	♦	♦	♦	♦	♦	♦	♦	♦
Halothane	♦	♦	♦	♦	♦	♦	♦	♦	♦
Isoflurane	♦	♦	♦	♦	♦	♦	♦	♦	♦
Ketamine	♦	♦	♦	♦	♦	♦	♦	♦	♦
Minaxolone	♦	♦	♦	♦	♦	♦	♦	♦	♦
Nitrous oxide	♦	♦	♦	♦	♦	♦	♦	♦	♦
Propofol	♦	♦	♦	♦	♦	♦	♦	♦	♦
Rocuronium	♦	♦	♦	♦	♦	♦	♦	♦	♦
Sevoflurane	♦	♦	♦	♦	♦	♦	♦	♦	♦
Sufentanil	♦	♦	♦	♦	♦	♦	♦	♦	♦
Suxamethonium (succinylcholine)	♦	♦	♦	♦	♦	♦	♦	♦	♦
Tetracaine	♦	♦	♦	♦	♦	♦	♦	♦	♦
Thiopental	♦	♦	♦	♦	♦	♦	♦	♦	♦
Tizanidine	♦	♦	♦	♦	♦	♦	♦	♦	♦
Vecuronium	♦	♦	♦	♦	♦	♦	♦	♦	♦
<b>Analgesics</b>									
Alfentanil	♦	♦	♦	♦	♦	♦	♦	♦	♦
Aspirin	♦	♦	♦	♦	♦	♦	♦	♦	♦
Buprenorphine	♦	♦	♦	♦	♦	♦	♦	♦	♦
Celecoxib	♦	♦	♦	♦	♦	♦	♦	♦	♦
Codeine	♦	♦	♦	♦	♦	♦	♦	♦	♦
Dextropropoxyphene	♦	♦	♦	♦	♦	♦	♦	♦	♦
Diamorphine (diacetylmorphine)	♦	♦	♦	♦	♦	♦	♦	♦	♦
Diclofenac	♦	♦	♦	♦	♦	♦	♦	♦	♦
Dihydrocodeine	♦	♦	♦	♦	♦	♦	♦	♦	♦
Fentanyl	♦	♦	♦	♦	♦	♦	♦	♦	♦
Hydrocodone	♦	♦	♦	♦	♦	♦	♦	♦	♦
Hydromorphone	♦	♦	♦	♦	♦	♦	♦	♦	♦
Ibuprofen	♦	♦	♦	♦	♦	♦	♦	♦	♦
Mefenamic acid	♦	♦	♦	♦	♦	♦	♦	♦	♦
Methadone	♦	♦	♦	♦	♦	♦	♦	♦	♦
Morphine	♦	♦	♦	♦	♦	♦	♦	♦	♦
Naproxen	♦	♦	♦	♦	♦	♦	♦	♦	♦
Nimesulide	♦	♦	♦	♦	♦	♦	♦	♦	♦
Oxycodone	♦	♦	♦	♦	♦	♦	♦	♦	♦
Paracetamol (Acetaminophen)	♦	♦	♦	♦	♦	♦	♦	♦	♦
Pethidine (Meperidine)	♦	♦	♦	♦	♦	♦	♦	♦	♦
Piroxicam	♦	♦	♦	♦	♦	♦	♦	♦	♦
Tapentadol	♦	♦	♦	♦	♦	♦	♦	♦	♦
Tramadol	♦	♦	♦	♦	♦	♦	♦	♦	♦
<b>Anthelmintics</b>									
Albendazole	♦	♦	♦	♦	♦	♦	♦	♦	♦
Diethylcarbamazine	♦	♦	♦	♦	♦	♦	♦	♦	♦
Ivermectin	♦	♦	♦	♦	♦	♦	♦	♦	♦
Levamisole (Ergamisol)	♦	♦	♦	♦	♦	♦	♦	♦	♦
Mebendazole	♦	♦	♦	♦	♦	♦	♦	♦	♦
Nicosamide	♦	♦	♦	♦	♦	♦	♦	♦	♦
Oxamniquine	♦	♦	♦	♦	♦	♦	♦	♦	♦
Praziquantel	♦	♦	♦	♦	♦	♦	♦	♦	♦
Pyrantel	♦	♦	♦	♦	♦	♦	♦	♦	♦
Suramin sodium	♦	♦	♦	♦	♦	♦	♦	♦	♦
Triclabendazole	♦	♦	♦	♦	♦	♦	♦	♦	♦
<b>Antiarrhythmics</b>									
Amiodarone	♦	♦	♦	♦	♦	♦	♦	♦	♦
Bepidil	♦	♦	♦	♦	♦	♦	♦	♦	♦
Disopyramide	♦	♦	♦	♦	♦	♦	♦	♦	♦
Dofetilide	♦	♦	♦	♦	♦	♦	♦	♦	♦
Flecainide	♦	♦	♦	♦	♦	♦	♦	♦	♦
Lidocaine (Lignocaine)	♦	♦	♦	♦	♦	♦	♦	♦	♦
Mexiletine	♦	♦	♦	♦	♦	♦	♦	♦	♦
Propafenone	♦	♦	♦	♦	♦	♦	♦	♦	♦
Quinidine	♦	♦	♦	♦	♦	♦	♦	♦	♦

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	ABC	ddl	FTC	F/TAF	F/TDF	3TC	d4T	TDF	ZDV
<b>Antibacterials</b>									
Amikacin	♦	♦	♦	♦	♦	♦	♦	♦	♦
Amoxicillin	♦	♦	♦	♦	♦	♦	♦	♦	♦
Ampicillin	♦	♦	♦	♦	♦	♦	♦	♦	♦
Azithromycin	♦	♦	♦	♦	♦	♦	♦	♦	♦
Bedaquiline	♦	♦	♦	♦	♦	♦	♦	♦	♦
Capreomycin	♦	♦	♦	♦	♦	♦	♦	♦	♦
Cefalexin	♦	♦	♦	♦	♦	♦	♦	♦	♦
Cefazolin	♦	♦	♦	♦	♦	♦	♦	♦	♦
Cefixime	♦	♦	♦	♦	♦	♦	♦	♦	♦
Cefotaxime	♦	♦	♦	♦	♦	♦	♦	♦	♦
Ceftazidime	♦	♦	♦	♦	♦	♦	♦	♦	♦
Ceftriaxone	♦	♦	♦	♦	♦	♦	♦	♦	♦
Chloramphenicol	♦	♦	♦	♦	♦	♦	♦	♦	♦
Ciprofloxacin	♦	♦	♦	♦	♦	♦	♦	♦	♦
Clarithromycin	♦	♦	♦	♦	♦	♦	♦	♦	♦
Clavulanic acid	♦	♦	♦	♦	♦	♦	♦	♦	♦
Clindamycin	♦	♦	♦	♦	♦	♦	♦	♦	♦
Clofazimine	♦	♦	♦	♦	♦	♦	♦	♦	♦
Cloxacillin	♦	♦	♦	♦	♦	♦	♦	♦	♦
Cycloserine	♦	♦	♦	♦	♦	♦	♦	♦	♦
Dapsone	♦	♦	♦	♦	♦	♦	♦	♦	♦
Delamanid	♦	♦	♦	♦	♦	♦	♦	♦	♦
Doxycycline	♦	♦	♦	♦	♦	♦	♦	♦	♦
Ertapenem	♦	♦	♦	♦	♦	♦	♦	♦	♦
Erythromycin	♦	♦	♦	♦	♦	♦	♦	♦	♦
Ethambutol	♦	♦	♦	♦	♦	♦	♦	♦	♦
Ethionamide	♦	♦	♦	♦	♦	♦	♦	♦	♦
Flucloxacillin	♦	♦	♦	♦	♦	♦	♦	♦	♦
Gentamicin	♦	♦	♦	♦	♦	♦	♦	♦	♦
Imipenem/Cilastatin	♦	♦	♦	♦	♦	♦	♦	♦	♦
Isoniazid	♦	♦	♦	♦	♦	♦	♦	♦	♦
Kanamycin	♦	♦	♦	♦	♦	♦	♦	♦	♦
Levofloxacin	♦	♦	♦	♦	♦	♦	♦	♦	♦
Linezolid	♦	♦	♦	♦	♦	♦	♦	♦	♦
Meropenem	♦	♦	♦	♦	♦	♦	♦	♦	♦
Metronidazole	♦	♦	♦	♦	♦	♦	♦	♦	♦
Moxifloxacin	♦	♦	♦	♦	♦	♦	♦	♦	♦
Nitrofurantoin	♦	♦	♦	♦	♦	♦	♦	♦	♦
Ofloxacin	♦	♦	♦	♦	♦	♦	♦	♦	♦
Para-aminosalicylic acid	♦	♦	♦	♦	♦	♦	♦	♦	♦
Penicillins	♦	♦	♦	♦	♦	♦	♦	♦	♦
Piperacillin	♦	♦	♦	♦	♦	♦	♦	♦	♦
Pyrazinamide	♦	♦	♦	♦	♦	♦	♦	♦	♦
Rifabutin	♦	♦	♦	♦	♦	♦	♦	♦	♦
Rifampicin	♦	♦	♦	♦	♦	♦	♦	♦	♦
Rifapentine	♦	♦	♦	♦	♦	♦	♦	♦	♦
Rifaximin	♦	♦	♦	♦	♦	♦	♦	♦	♦
Spectinomycin	♦	♦	♦	♦	♦	♦	♦	♦	♦
Streptomycin	♦	♦	♦	♦	♦	♦	♦	♦	♦
Sulfadiazine	♦	♦	♦	♦	♦	♦	♦	♦	♦
Tazobactam	♦	♦	♦	♦	♦	♦	♦	♦	♦
Telithromycin	♦	♦	♦	♦	♦	♦	♦	♦	♦
Tetracyclines	♦	♦	♦	♦	♦	♦	♦	♦	♦
Tinidazole	♦	♦	♦	♦	♦	♦	♦	♦	♦
Trimethoprim/Sulfamethoxazole	♦	♦	♦	♦	♦	♦	♦	♦	♦
Vancomycin	♦	♦	♦	♦	♦	♦	♦	♦	♦
<b>Anti-coagulant, Anti-platelet and Fibrinolytic</b>									
Acenocoumarol	♦	♦	♦	♦	♦	♦	♦	♦	♦
Apixaban	♦	♦	♦	♦	♦	♦	♦	♦	♦
Argatroban	♦	♦	♦	♦	♦	♦	♦	♦	♦
Aspirin (anti-platelet)	♦	♦	♦	♦	♦	♦	♦	♦	♦
Betrixaban	♦	♦	♦	♦	♦	♦	♦	♦	♦
Clopidogrel	♦	♦	♦	♦	♦	♦	♦	♦	♦
Dabigatran	♦	♦	♦	♦	♦	♦	♦	♦	♦
Dalteparin	♦	♦	♦	♦	♦	♦	♦	♦	♦
Dipyridamole	♦	♦	♦	♦	♦	♦	♦	♦	♦
Edoxaban	♦	♦	♦	♦	♦	♦	♦	♦	♦
Eltrombopag	♦	♦	♦	♦	♦	♦	♦	♦	♦
Enoxaparin	♦	♦	♦	♦	♦	♦	♦	♦	♦
Fondaparinux	♦	♦	♦	♦	♦	♦	♦	♦	♦
Heparin	♦	♦	♦	♦	♦	♦	♦	♦	♦
Phenprocoumon	♦	♦	♦	♦	♦	♦	♦	♦	♦
Prasugrel	♦	♦	♦	♦	♦	♦	♦	♦	♦
Rivaroxaban	♦	♦	♦	♦	♦	♦	♦	♦	♦
Streptokinase	♦	♦	♦	♦	♦	♦	♦	♦	♦
Ticagrelor	♦	♦	♦	♦	♦	♦	♦	♦	♦
Warfarin	♦	♦	♦	♦	♦	♦	♦	♦	♦

**Key to abbreviations**

ABC	Abacavir (Ziagen <sup>®</sup> )	3TC	Lamivudine (Epivir <sup>®</sup> )
ddl	Didanosine (Videx <sup>®</sup> , Videx-EC <sup>®</sup> )	d4T	Stavudine (Zerit <sup>®</sup> )
FTC	Emtricitabine (Emtriva <sup>®</sup> )	TDF	Tenofovir disoproxil fumarate (Viread <sup>®</sup> )
F/TAF	Emtricitabine + Tenofovir alafenamide (Descovy <sup>®</sup> )	ZDV	Zidovudine (Retrovir <sup>®</sup> )
F/TDF	Emtricitabine + Tenofovir-Df (Truvada <sup>®</sup> )		

**Key to symbols**

♦	These drugs should not be coadministered
■	Potential interaction - may require close monitoring, alteration of drug dosage or timing of administration
▲	Potential interaction likely to be of weak intensity. Additional action/monitoring or dosage adjustment is unlikely to be required
◆	No clinically significant interaction expected

Where advice differs between countries, and/or between boosted and unboosted regimens, the charts reflect the more cautious option.

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	ABC	ddl	FTC	F/TAF	F/TDF	3TC	d4T	TDF	ZDV
<b>Anticonvulsants</b>									
Carbamazepine	▲	◆	◆	●	◆	◆	◆	◆	▲
Clonazepam	◆	◆	◆	◆	◆	◆	◆	◆	◆
Eslicarbazepine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Ethosuximide	◆	◆	◆	◆	◆	◆	◆	◆	◆
Gabapentin	◆	■	◆	◆	◆	◆	◆	◆	◆
Lacosamide	◆	◆	◆	◆	◆	◆	◆	◆	◆
Lamotrigine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Levetiracetam	◆	◆	◆	◆	◆	◆	◆	◆	◆
Oxcarbazepine	◆	◆	◆	●	◆	◆	◆	◆	◆
Phenobarbital (Phenobarbitone)	▲	◆	◆	●	◆	◆	◆	◆	■
Phenytoin	▲	◆	◆	●	◆	◆	◆	◆	▲
Pregabalin	◆	◆	◆	◆	◆	◆	◆	◆	◆
Primidone	▲	◆	◆	●	◆	◆	◆	◆	■
Tiagabine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Topiramate	◆	◆	◆	◆	■	◆	◆	■	◆
Valproate (Divalproex)	◆	◆	◆	◆	◆	◆	◆	◆	■
Vigabatrin	◆	◆	◆	◆	◆	◆	◆	◆	◆
Zonisamide	◆	◆	◆	◆	◆	◆	◆	◆	◆
<b>Antidepressants</b>									
Agomelatine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Amitriptyline	◆	◆	◆	◆	◆	◆	◆	◆	◆
Bupropion	◆	◆	◆	◆	◆	◆	◆	◆	◆
Doxepin	◆	◆	◆	◆	◆	◆	◆	◆	◆
Duloxetine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Escitalopram	◆	◆	◆	◆	◆	◆	◆	◆	◆
Clomipramine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Desipramine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Doxepin	◆	◆	◆	◆	◆	◆	◆	◆	◆
Duloxetine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Escitalopram	◆	◆	◆	◆	◆	◆	◆	◆	◆
Fluoxetine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Fluvoxamine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Imipramine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Lithium	◆	■	◆	◆	■	◆	■	■	◆
Maprotiline	◆	◆	◆	◆	◆	◆	◆	◆	◆
Mianserin	◆	◆	◆	◆	◆	◆	◆	◆	◆
Milnacipran	◆	◆	◆	◆	◆	◆	◆	◆	◆
Mirtazapine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Nefazodone	◆	◆	◆	◆	◆	◆	◆	◆	◆
Nortriptyline	◆	◆	◆	◆	◆	◆	◆	◆	◆
Paroxetine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Phenelzine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Reboxetine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Sertraline	◆	◆	◆	◆	◆	◆	◆	◆	◆
Tranylcypromine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Trazodone	◆	◆	◆	◆	◆	◆	◆	◆	◆
Trimipramine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Venlafaxine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Vortioxetine	◆	◆	◆	◆	◆	◆	◆	◆	◆
<b>Anti-diabetics</b>									
Acarbose	◆	◆	◆	◆	◆	◆	◆	◆	◆
Canagliflozin	◆	◆	◆	◆	■	◆	◆	■	◆
Dapagliflozin	◆	◆	◆	◆	◆	◆	◆	◆	◆
Dulaglutide	◆	◆	◆	◆	◆	◆	◆	◆	◆
Empagliflozin	◆	◆	◆	◆	■	◆	◆	■	◆
Exenatide	◆	◆	◆	◆	◆	◆	◆	◆	◆
Glibenclamide (Glyburide)	◆	◆	◆	◆	◆	◆	◆	◆	◆
Gliclazide	◆	◆	◆	◆	◆	◆	◆	◆	◆
Glimepiride	◆	◆	◆	◆	◆	◆	◆	◆	◆
Glipizide	◆	◆	◆	◆	◆	◆	◆	◆	◆
Insulin	◆	◆	◆	◆	◆	◆	◆	◆	◆
Linagliptin	◆	◆	◆	◆	◆	◆	◆	◆	◆
Liraglutide	◆	◆	◆	◆	◆	◆	◆	◆	◆
Metformin	◆	◆	◆	◆	◆	◆	◆	◆	◆
Nateglinide	◆	◆	◆	◆	◆	◆	◆	◆	◆
Pioglitazone	◆	◆	◆	◆	◆	◆	◆	◆	◆
Repaglinide	◆	◆	◆	◆	◆	◆	◆	◆	◆
Rosiglitazone	◆	◆	◆	◆	◆	◆	◆	◆	◆
Saxagliptin	◆	◆	◆	◆	◆	◆	◆	◆	◆
Sitagliptin	◆	◆	◆	◆	◆	◆	◆	◆	◆
Tolbutamide	◆	◆	◆	◆	◆	◆	◆	◆	◆
Vildagliptin	◆	◆	◆	◆	◆	◆	◆	◆	◆

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	ABC	ddl	FTC	F/TAF	F/TDF	3TC	d4T	TDF	ZDV
<b>Antifungals</b>									
Amphotericin B	◆	■	◆	◆	■	◆	■	■	■
Anidulafungin	◆	◆	◆	◆	◆	◆	◆	◆	◆
Caspofungin	◆	◆	◆	◆	◆	◆	◆	◆	◆
Fluconazole	◆	◆	◆	▲	◆	◆	◆	◆	◆
Flucytosine	◆	■	■	■	■	■	■	■	■
Griseofulvin	◆	◆	◆	◆	◆	◆	◆	◆	◆
Itraconazole	◆	◆	◆	■	■	◆	◆	■	◆
Ketoconazole	◆	◆	◆	■	■	◆	◆	■	◆
Miconazole	◆	◆	◆	◆	◆	◆	◆	◆	◆
Nystatin	◆	◆	◆	◆	◆	◆	◆	◆	◆
Posaconazole	◆	◆	◆	◆	◆	◆	◆	◆	◆
Terbinafine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Voriconazole	◆	◆	◆	◆	◆	◆	◆	◆	◆
<b>Antihistamines</b>									
Astemizole	◆	◆	◆	◆	◆	◆	◆	◆	◆
Cetirizine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Chlorphenamine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Diphenhydramine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Fexofenadine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Levocetirizine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Loratadine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Promethazine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Terfenadine	◆	◆	◆	◆	◆	◆	◆	◆	◆
<b>Antimigraine Agents</b>									
Almotriptan	◆	◆	◆	◆	◆	◆	◆	◆	◆
Dihydroergotamine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Eletriptan	◆	◆	◆	◆	◆	◆	◆	◆	◆
Ergotamine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Rizatriptan	◆	◆	◆	◆	◆	◆	◆	◆	◆
Sumatriptan	◆	◆	◆	◆	◆	◆	◆	◆	◆
<b>Antiprotozoals</b>									
Amodiaquine	◆	◆	◆	◆	◆	◆	◆	◆	■
Artemisinin	◆	◆	◆	◆	◆	◆	◆	◆	◆
Atovaquone	◆	◆	◆	◆	◆	◆	◆	◆	■
Benznidazole	◆	◆	◆	◆	◆	◆	◆	◆	■
Chloroquine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Diloxanide	◆	◆	◆	◆	◆	◆	◆	◆	◆
Eflornithine	◆	◆	▲	▲	▲	▲	■	▲	■
Halofantrine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Lumefantrine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Mefloquine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Meglumine antimoniate	◆	■	◆	◆	■	◆	■	■	◆
Melarsoprol	◆	◆	◆	◆	◆	◆	◆	◆	◆
Miltefosine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Nifurtimox	◆	◆	◆	◆	◆	◆	◆	◆	◆
Paromomycin	◆	■	◆	◆	◆	◆	■	◆	◆
Pentamidine	◆	■	◆	◆	■	◆	■	■	■
Piperazine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Primaquine	◆	◆	◆	◆	◆	◆	◆	◆	■
Proguanil	◆	◆	◆	◆	◆	◆	◆	◆	◆
Pyrimethamine	◆	■	▲	▲	▲	▲	■	▲	▲
Quinine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Sodium stibogluconate	◆	■	◆	◆	◆	◆	■	■	■
Sulfadoxine	◆	◆	▲	▲	▲	▲	◆	▲	▲
<b>Antipsychotics/Neuroleptics</b>									
Amisulpride	◆	◆	◆	◆	◆	◆	◆	◆	◆
Aripiprazole	◆	◆	◆	◆	◆	◆	◆	◆	◆
Asenapine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Chlorpromazine	◆	■	◆	◆	◆	◆	◆	◆	■
Clozapine	◆	◆	◆	◆	◆	◆	◆	◆	■
Fluphenazine	◆	◆	◆	◆	◆	◆	◆	◆	■
Haloperidol	◆	◆	◆	◆	◆	◆	◆	◆	◆
Iloperidone	◆	◆	◆	◆	◆	◆	◆	◆	◆
Levomopromazine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Olanzapine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Paliperidone	◆	◆	◆	◆	◆	◆	◆	◆	◆
Perazine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Pericyazine	◆	◆	◆	◆	◆	◆	◆	◆	■
Perphenazine	◆	■	◆	◆	◆	◆	◆	◆	■
Pimozide	◆	◆	◆	◆	◆	◆	◆	◆	◆
Pipotiazine	◆	◆	◆	◆	◆	◆	◆	◆	■
Quetiapine	◆	◆	◆	◆	◆	◆	◆	◆	■
Risperidone	◆	◆	◆	◆	◆	◆	◆	◆	◆
Sulpiride	◆	■	◆	◆	◆	◆	◆	◆	◆
Thioridazine	◆	◆	◆	◆	◆	◆	◆	◆	■
Tiapride	◆	◆	◆	◆	◆	◆	◆	◆	◆
Ziprasidone	◆	◆	◆	◆	◆	◆	◆	◆	◆
Zotepine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Zuclopenthixol	◆	◆	◆	◆	◆	◆	◆	◆	■

**Key to abbreviations**

ABC	Abacavir (Ziagen <sup>®</sup> )	3TC	Lamivudine (Epivir <sup>®</sup> )
ddl	Didanosine (Videx <sup>®</sup> , Videx-EC <sup>®</sup> )	d4T	Stavudine (Zerit <sup>®</sup> )
FTC	Emtricitabine (Emtriva <sup>®</sup> )	TDF	Tenofovir disoproxil fumarate (Viread <sup>®</sup> )
F/TAF	Emtricitabine + Tenofovir alafenamide (Descovy <sup>®</sup> )	ZDV	Zidovudine (Retrovir <sup>®</sup> )
F/TDF	Emtricitabine + Tenofovir-Df (Truvada <sup>®</sup> )		

**Key to symbols**

●	These drugs should not be coadministered
■	Potential interaction - may require close monitoring, alteration of drug dosage or timing of administration
▲	Potential interaction likely to be of weak intensity. Additional action/monitoring or dosage adjustment is unlikely to be required
◆	No clinically significant interaction expected

Where advice differs between countries, and/or between boosted and unboosted regimens, the charts reflect the more cautious option.

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# Interactions with NRTIs

Charts revised July 2020. Full information available at [www.hiv-druginteractions.org](http://www.hiv-druginteractions.org)

Please note that if a drug is not listed it cannot automatically be assumed it is safe to coadminister.

	ABC	ddl	FTC	F/TAF	F/TDF	3TC	d4T	TDF	ZDV
<b>Antivirals</b>									
Aciclovir	◆	◆	◆	◆	◆	◆	◆	◆	◆
Adefovir	◆	◆	◆	◆	◆	◆	◆	◆	◆
Amantadine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Cidofovir	◆	◆	◆	◆	◆	◆	◆	◆	◆
Daclatasvir	◆	◆	◆	◆	◆	◆	◆	◆	◆
Elbasvir/Grazoprevir	◆	◆	◆	◆	◆	◆	◆	◆	◆
Entecavir	◆	◆	◆	◆	◆	◆	◆	◆	◆
Famciclovir	◆	◆	◆	◆	◆	◆	◆	◆	◆
Foscarnet	◆	◆	◆	◆	◆	◆	◆	◆	◆
Ganciclovir	◆	◆	◆	◆	◆	◆	◆	◆	◆
Glecaprevir/Pibrentasvir	◆	◆	◆	◆	◆	◆	◆	◆	◆
Ledipasvir/Sofosbuvir	◆	◆	◆	◆	◆	◆	◆	◆	◆
Ombitasvir/Paritaprevir/r	◆	◆	◆	◆	◆	◆	◆	◆	◆
Ombitasvir/Paritaprevir/r + Dasabuvir	◆	◆	◆	◆	◆	◆	◆	◆	◆
Oseltamivir	◆	◆	◆	◆	◆	◆	◆	◆	◆
Ribavirin	◆	◆	◆	◆	◆	◆	◆	◆	◆
Rimantadine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Simeprevir	◆	◆	◆	◆	◆	◆	◆	◆	◆
Sofosbuvir	◆	◆	◆	◆	◆	◆	◆	◆	◆
Sofosbuvir/Velpatasvir	◆	◆	◆	◆	◆	◆	◆	◆	◆
Sofosbuvir/Velpatasvir/Voxilaprevir	◆	◆	◆	◆	◆	◆	◆	◆	◆
Telbivudine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Tenofovir alafenamide (HBV)	◆	◆	◆	◆	◆	◆	◆	◆	◆
Valaciclovir	◆	◆	◆	◆	◆	◆	◆	◆	◆
Zanamivir	◆	◆	◆	◆	◆	◆	◆	◆	◆
<b>Anxiolytics/Hypnotics/ Sedatives</b>									
Alprazolam	◆	◆	◆	◆	◆	◆	◆	◆	◆
Bromazepam	◆	◆	◆	◆	◆	◆	◆	◆	◆
Buspirone	◆	◆	◆	◆	◆	◆	◆	◆	◆
Chlordiazepoxide	◆	◆	◆	◆	◆	◆	◆	◆	◆
Clobazam	◆	◆	◆	◆	◆	◆	◆	◆	◆
Clorazepate	◆	◆	◆	◆	◆	◆	◆	◆	◆
Diazepam	◆	◆	◆	◆	◆	◆	◆	◆	◆
Estazolam	◆	◆	◆	◆	◆	◆	◆	◆	◆
Flunitrazepam	◆	◆	◆	◆	◆	◆	◆	◆	◆
Flurazepam	◆	◆	◆	◆	◆	◆	◆	◆	◆
Hydroxyzine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Lorazepam	◆	◆	◆	◆	◆	◆	◆	◆	◆
Lormetazepam	◆	◆	◆	◆	◆	◆	◆	◆	◆
Midazolam (oral)	◆	◆	◆	◆	◆	◆	◆	◆	◆
Midazolam (parenteral)	◆	◆	◆	◆	◆	◆	◆	◆	◆
Oxazepam	◆	◆	◆	◆	◆	◆	◆	◆	◆
Temazepam	◆	◆	◆	◆	◆	◆	◆	◆	◆
Triazolam	◆	◆	◆	◆	◆	◆	◆	◆	◆
Zaleplon	◆	◆	◆	◆	◆	◆	◆	◆	◆
Zolpidem	◆	◆	◆	◆	◆	◆	◆	◆	◆
Zopiclone	◆	◆	◆	◆	◆	◆	◆	◆	◆
<b>Beta Blockers</b>									
Atenolol	◆	◆	◆	◆	◆	◆	◆	◆	◆
Bisoprolol	◆	◆	◆	◆	◆	◆	◆	◆	◆
Carvedilol	◆	◆	◆	◆	◆	◆	◆	◆	◆
Metoprolol	◆	◆	◆	◆	◆	◆	◆	◆	◆
Nebivolol	◆	◆	◆	◆	◆	◆	◆	◆	◆
Oxprenolol	◆	◆	◆	◆	◆	◆	◆	◆	◆
Pindolol	◆	◆	◆	◆	◆	◆	◆	◆	◆
Propranolol	◆	◆	◆	◆	◆	◆	◆	◆	◆
Timolol	◆	◆	◆	◆	◆	◆	◆	◆	◆
<b>Bronchodilators</b>									
Acclidinium bromide	◆	◆	◆	◆	◆	◆	◆	◆	◆
Aminophylline	◆	◆	◆	◆	◆	◆	◆	◆	◆
Formoterol	◆	◆	◆	◆	◆	◆	◆	◆	◆
Glycopyrronium bromide	◆	◆	◆	◆	◆	◆	◆	◆	◆
Indacaterol	◆	◆	◆	◆	◆	◆	◆	◆	◆
Ipratropium bromide	◆	◆	◆	◆	◆	◆	◆	◆	◆
Montelukast	◆	◆	◆	◆	◆	◆	◆	◆	◆
Olodaterol	◆	◆	◆	◆	◆	◆	◆	◆	◆
Roflumilast	◆	◆	◆	◆	◆	◆	◆	◆	◆
Salbutamol	◆	◆	◆	◆	◆	◆	◆	◆	◆
Salmeterol	◆	◆	◆	◆	◆	◆	◆	◆	◆
Theophylline	◆	◆	◆	◆	◆	◆	◆	◆	◆
Tiotropium bromide	◆	◆	◆	◆	◆	◆	◆	◆	◆
Umeclidinium bromide	◆	◆	◆	◆	◆	◆	◆	◆	◆
Vilanterol	◆	◆	◆	◆	◆	◆	◆	◆	◆

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	ABC	ddl	FTC	F/TAF	F/TDF	3TC	d4T	TDF	ZDV
<b>Calcium Channel Blockers</b>									
Amlodipine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Diltiazem	◆	◆	◆	◆	◆	◆	◆	◆	◆
Felodipine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Nicardipine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Nifedipine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Nisoldipine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Nitrendipine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Verapamil	◆	◆	◆	◆	◆	◆	◆	◆	◆
<b>Cancer Therapies</b>									
Anastrozole	◆	◆	◆	◆	◆	◆	◆	◆	◆
Asparaginase	◆	◆	◆	◆	◆	◆	◆	◆	◆
Bevacizumab	◆	◆	◆	◆	◆	◆	◆	◆	◆
Bexarotene	◆	◆	◆	◆	◆	◆	◆	◆	◆
Bleomycin	◆	◆	◆	◆	◆	◆	◆	◆	◆
Bortezomib	◆	◆	◆	◆	◆	◆	◆	◆	◆
Capecitabine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Carboplatin	◆	◆	◆	◆	◆	◆	◆	◆	◆
Cetuximab	◆	◆	◆	◆	◆	◆	◆	◆	◆
Chlorambucil	◆	◆	◆	◆	◆	◆	◆	◆	◆
Cisplatin	◆	◆	◆	◆	◆	◆	◆	◆	◆
Cyclophosphamide	◆	◆	◆	◆	◆	◆	◆	◆	◆
Cytarabine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Dacarbazine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Dactinomycin	◆	◆	◆	◆	◆	◆	◆	◆	◆
Dasatinib	◆	◆	◆	◆	◆	◆	◆	◆	◆
Daunorubicin	◆	◆	◆	◆	◆	◆	◆	◆	◆
Docetaxel	◆	◆	◆	◆	◆	◆	◆	◆	◆
Doxorubicin	◆	◆	◆	◆	◆	◆	◆	◆	◆
Droloxifene	◆	◆	◆	◆	◆	◆	◆	◆	◆
Epirubicin	◆	◆	◆	◆	◆	◆	◆	◆	◆
Erlotinib	◆	◆	◆	◆	◆	◆	◆	◆	◆
Estramustine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Etoposide	◆	◆	◆	◆	◆	◆	◆	◆	◆
Everolimus	◆	◆	◆	◆	◆	◆	◆	◆	◆
Exemestane	◆	◆	◆	◆	◆	◆	◆	◆	◆
Fludarabine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Fluorouracil	◆	◆	◆	◆	◆	◆	◆	◆	◆
Formestane	◆	◆	◆	◆	◆	◆	◆	◆	◆
Gefitinib	◆	◆	◆	◆	◆	◆	◆	◆	◆
Gemcitabine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Ifosfamide	◆	◆	◆	◆	◆	◆	◆	◆	◆
Imatinib	◆	◆	◆	◆	◆	◆	◆	◆	◆
Irinotecan	◆	◆	◆	◆	◆	◆	◆	◆	◆
Lapatinib	◆	◆	◆	◆	◆	◆	◆	◆	◆
Lenalidomide	◆	◆	◆	◆	◆	◆	◆	◆	◆
Letrozole	◆	◆	◆	◆	◆	◆	◆	◆	◆
Mercaptopurine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Mesna	◆	◆	◆	◆	◆	◆	◆	◆	◆
Methotrexate	◆	◆	◆	◆	◆	◆	◆	◆	◆
Mitoxantrone	◆	◆	◆	◆	◆	◆	◆	◆	◆
Nilotinib	◆	◆	◆	◆	◆	◆	◆	◆	◆
Oxaliplatin	◆	◆	◆	◆	◆	◆	◆	◆	◆
Paclitaxel	◆	◆	◆	◆	◆	◆	◆	◆	◆
Pazopanib	◆	◆	◆	◆	◆	◆	◆	◆	◆
Procarbazine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Rituximab	◆	◆	◆	◆	◆	◆	◆	◆	◆
Sorafenib	◆	◆	◆	◆	◆	◆	◆	◆	◆
Sunitinib	◆	◆	◆	◆	◆	◆	◆	◆	◆
Tamoxifen	◆	◆	◆	◆	◆	◆	◆	◆	◆
Temsirolimus	◆	◆	◆	◆	◆	◆	◆	◆	◆
Topotecan	◆	◆	◆	◆	◆	◆	◆	◆	◆
Toremifene	◆	◆	◆	◆	◆	◆	◆	◆	◆
Trastuzumab	◆	◆	◆	◆	◆	◆	◆	◆	◆
Trastuzumab emtansine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Vinblastine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Vincristine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Vinorelbine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Vorinostat	◆	◆	◆	◆	◆	◆	◆	◆	◆

**Key to abbreviations**

ABC	Abacavir (Ziagen <sup>®</sup> )	3TC	Lamivudine (Epivir <sup>®</sup> )
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Please note that if a drug is not listed it cannot automatically be assumed it is safe to coadminister.

	ABC	ddl	FTC	F/TAF	F/TDF	3TC	d4T	TDF	ZDV
<b>Contraceptives/HRT</b>									
Desogestrel (COC)	♦	♦	♦	♦	♦	♦	♦	♦	♦
Desogestrel (POP)	♦	♦	♦	♦	♦	♦	♦	♦	♦
Drospirenone (COC)	♦	♦	♦	♦	♦	♦	♦	♦	♦
Drospirenone (HRT)	♦	♦	♦	♦	♦	♦	♦	♦	♦
Dydrogesterone (HRT)	♦	♦	♦	♦	♦	♦	♦	♦	♦
Estradiol	♦	♦	♦	♦	♦	♦	♦	♦	♦
Ethinylestradiol	♦	♦	♦	♦	♦	♦	♦	♦	♦
Etonogestrel (implant)	♦	♦	♦	♦	♦	♦	♦	♦	♦
Etonogestrel (vaginal ring)	♦	♦	♦	♦	♦	♦	♦	♦	♦
Gestodene (COC)	♦	♦	♦	♦	♦	♦	♦	♦	♦
Levonorgestrel (COC)	♦	♦	♦	♦	♦	♦	♦	♦	♦
Levonorgestrel (emergency contraception)	♦	♦	♦	♦	♦	♦	♦	♦	♦
Levonorgestrel (HRT)	♦	♦	♦	♦	♦	♦	♦	♦	♦
Levonorgestrel (implant)	♦	♦	♦	♦	♦	♦	♦	♦	♦
Levonorgestrel (IUD)	♦	♦	♦	♦	♦	♦	♦	♦	♦
Levonorgestrel (POP)	♦	♦	♦	♦	♦	♦	♦	♦	♦
Medroxyprogesterone (depot injection)	♦	♦	♦	♦	♦	♦	♦	♦	♦
Medroxyprogesterone (oral)	♦	♦	♦	♦	♦	♦	♦	♦	♦
Norelgestromin (patch)	♦	♦	♦	♦	♦	♦	♦	♦	♦
Norethisterone [Norethidrone] (COC)	♦	♦	♦	♦	♦	♦	♦	♦	♦
Norethisterone [Norethidrone] (HRT)	♦	♦	♦	♦	♦	♦	♦	♦	♦
Norethisterone [Norethidrone] (IM depot)	♦	♦	♦	♦	♦	♦	♦	♦	♦
Norethisterone [Norethidrone] (POP)	♦	♦	♦	♦	♦	♦	♦	♦	♦
Norgestimate (COC)	♦	♦	♦	♦	♦	♦	♦	♦	♦
Norgestrel (COC)	♦	♦	♦	♦	♦	♦	♦	♦	♦
Norgestrel (HRT)	♦	♦	♦	♦	♦	♦	♦	♦	♦
Ulipristal	♦	♦	♦	♦	♦	♦	♦	♦	♦
<b>Erectile Dysfunctional Agents</b>									
Avanafil	♦	♦	♦	♦	♦	♦	♦	♦	♦
Sildenafil (Erectile Dysfunction)	♦	♦	♦	♦	♦	♦	♦	♦	♦
Tadalafil (Erectile Dysfunction)	♦	♦	♦	♦	♦	♦	♦	♦	♦
Vardenafil	♦	♦	♦	♦	♦	♦	♦	♦	♦
<b>Gastrointestinal Agents</b>									
Alosetron	♦	♦	♦	♦	♦	♦	♦	♦	♦
Antacids	♦	♦	♦	♦	♦	♦	♦	♦	♦
Bisacodyl	♦	♦	♦	♦	♦	♦	♦	♦	♦
Cimetidine	♦	♦	♦	♦	♦	♦	♦	♦	♦
Cisapride	♦	♦	♦	♦	♦	♦	♦	♦	♦
Esomeprazole	♦	♦	♦	♦	♦	♦	♦	♦	♦
Famotidine	♦	♦	♦	♦	♦	♦	♦	♦	♦
Lactulose	♦	♦	♦	♦	♦	♦	♦	♦	♦
Lansoprazole	♦	♦	♦	♦	♦	♦	♦	♦	♦
Loperamide	♦	♦	♦	♦	♦	♦	♦	♦	♦
Mesalazine	♦	♦	♦	♦	♦	♦	♦	♦	♦
Omeprazole	♦	♦	♦	♦	♦	♦	♦	♦	♦
Pantoprazole	♦	♦	♦	♦	♦	♦	♦	♦	♦
Prucalopride	♦	♦	♦	♦	♦	♦	♦	♦	♦
Rabeprazole	♦	♦	♦	♦	♦	♦	♦	♦	♦
Ranitidine	♦	♦	♦	♦	♦	♦	♦	♦	♦
Senna	♦	♦	♦	♦	♦	♦	♦	♦	♦
<b>Gastrointestinal Agents (anti-emetics)</b>									
Aprepitant	♦	♦	♦	♦	♦	♦	♦	♦	♦
Dolasetron	♦	♦	♦	♦	♦	♦	♦	♦	♦
Domperidone	♦	♦	♦	♦	♦	♦	♦	♦	♦
Dronabinol	♦	♦	♦	♦	♦	♦	♦	♦	♦
Granisetron	♦	♦	♦	♦	♦	♦	♦	♦	♦
Metoclopramide	♦	♦	♦	♦	♦	♦	♦	♦	♦
Ondansetron	♦	♦	♦	♦	♦	♦	♦	♦	♦
Prochlorperazine	♦	♦	♦	♦	♦	♦	♦	♦	♦
<b>Herbals/Supplements/Vitamins</b>									
African potato	♦	♦	♦	♦	♦	♦	♦	♦	♦
Aloe vera	♦	♦	♦	♦	♦	♦	♦	♦	♦
Ascorbic Acid (vitamin C) [alone]	♦	♦	♦	♦	♦	♦	♦	♦	♦
Ascorbic Acid [in multivitamins]	♦	♦	♦	♦	♦	♦	♦	♦	♦
Calcium supplements	♦	♦	♦	♦	♦	♦	♦	♦	♦
Cat's claw (Uncaria tomentosa)	♦	♦	♦	♦	♦	♦	♦	♦	♦
Colecalciferol (vitamin D3) [alone]	♦	♦	♦	♦	♦	♦	♦	♦	♦
Colecalciferol [in multivitamins]	♦	♦	♦	♦	♦	♦	♦	♦	♦
Cubeb pepper (Piper cubeba)	♦	♦	♦	♦	♦	♦	♦	♦	♦
Cyanocobalamin [alone]	♦	♦	♦	♦	♦	♦	♦	♦	♦
Cyanocobalamin [in multivitamins]	♦	♦	♦	♦	♦	♦	♦	♦	♦
Echinacea	♦	♦	♦	♦	♦	♦	♦	♦	♦
Eucalyptus globulus	♦	♦	♦	♦	♦	♦	♦	♦	♦
Ferrous fumarate	♦	♦	♦	♦	♦	♦	♦	♦	♦
Folic acid [alone]	♦	♦	♦	♦	♦	♦	♦	♦	♦
Folic acid [in multivitamins]	♦	♦	♦	♦	♦	♦	♦	♦	♦
Garlic	♦	♦	♦	♦	♦	♦	♦	♦	♦
Ginger (Zingiber officinale)	♦	♦	♦	♦	♦	♦	♦	♦	♦
Ginkgo biloba	♦	♦	♦	♦	♦	♦	♦	♦	♦
Goldenseal root (Hydrastis canadensis)	♦	♦	♦	♦	♦	♦	♦	♦	♦
Grapefruit juice	♦	♦	♦	♦	♦	♦	♦	♦	♦
Hops (Humulus lupulus)	♦	♦	♦	♦	♦	♦	♦	♦	♦

For personal use only. Not for distribution.

	ABC	ddl	FTC	F/TAF	F/TDF	3TC	d4T	TDF	ZDV
<b>Herbals/Supplements/Vitamins (continued)</b>									
Inula racemosa	♦	♦	♦	♦	♦	♦	♦	♦	♦
Iodine [alone]	♦	♦	♦	♦	♦	♦	♦	♦	♦
Iodine [in multivitamins]	♦	♦	♦	♦	♦	♦	♦	♦	♦
Iron supplements	♦	♦	♦	♦	♦	♦	♦	♦	♦
Liquorice (Glycyrrhiza glabra)	♦	♦	♦	♦	♦	♦	♦	♦	♦
Magnesium supplements	♦	♦	♦	♦	♦	♦	♦	♦	♦
Malabar nut tree	♦	♦	♦	♦	♦	♦	♦	♦	♦
Menthol	♦	♦	♦	♦	♦	♦	♦	♦	♦
Milk thistle (silymarin)	♦	♦	♦	♦	♦	♦	♦	♦	♦
Multivitamins	♦	♦	♦	♦	♦	♦	♦	♦	♦
Nicotinamide [alone]	♦	♦	♦	♦	♦	♦	♦	♦	♦
Nicotinamide [in multivitamins]	♦	♦	♦	♦	♦	♦	♦	♦	♦
Phytomenadione (vitamin K) [alone]	♦	♦	♦	♦	♦	♦	♦	♦	♦
Phytomenadione [in multivitamins]	♦	♦	♦	♦	♦	♦	♦	♦	♦
Pyridoxine (vitamin B6) [alone]	♦	♦	♦	♦	♦	♦	♦	♦	♦
Pyridoxine [in multivitamins]	♦	♦	♦	♦	♦	♦	♦	♦	♦
Quercetin	♦	♦	♦	♦	♦	♦	♦	♦	♦
Red yeast rice	♦	♦	♦	♦	♦	♦	♦	♦	♦
Retinol (vitamin A) [alone]	♦	♦	♦	♦	♦	♦	♦	♦	♦
Retinol (vitamin A) [in multivitamins]	♦	♦	♦	♦	♦	♦	♦	♦	♦
Riboflavin (vitamin B2) [alone]	♦	♦	♦	♦	♦	♦	♦	♦	♦
Riboflavin [in multivitamins]	♦	♦	♦	♦	♦	♦	♦	♦	♦
Saw palmetto (Serenoa repens)	♦	♦	♦	♦	♦	♦	♦	♦	♦
Seville orange juice	♦	♦	♦	♦	♦	♦	♦	♦	♦
St John's Wort	♦	♦	♦	♦	♦	♦	♦	♦	♦
Thiamine (vitamin B1) [alone]	♦	♦	♦	♦	♦	♦	♦	♦	♦
Thiamine [in multivitamins]	♦	♦	♦	♦	♦	♦	♦	♦	♦
Tocopherol (vitamin E) [alone]	♦	♦	♦	♦	♦	♦	♦	♦	♦
Tocopherol (vitamin E) [in multivitamins]	♦	♦	♦	♦	♦	♦	♦	♦	♦
Turmeric (Curcuma longa)	♦	♦	♦	♦	♦	♦	♦	♦	♦
Valerian	♦	♦	♦	♦	♦	♦	♦	♦	♦
<b>Hypertension / Heart Failure Agents</b>									
Aiskiren	♦	♦	♦	♦	♦	♦	♦	♦	♦
Ambrisentan	♦	♦	♦	♦	♦	♦	♦	♦	♦
Amiloride	♦	♦	♦	♦	♦	♦	♦	♦	♦
Benazepril	♦	♦	♦	♦	♦	♦	♦	♦	♦
Bendroflumethiazide	♦	♦	♦	♦	♦	♦	♦	♦	♦
Bosentan	♦	♦	♦	♦	♦	♦	♦	♦	♦
Candesartan	♦	♦	♦	♦	♦	♦	♦	♦	♦
Captopril	♦	♦	♦	♦	♦	♦	♦	♦	♦
Chlortalidone	♦	♦	♦	♦	♦	♦	♦	♦	♦
Cilazapril	♦	♦	♦	♦	♦	♦	♦	♦	♦
Clonidine	♦	♦	♦	♦	♦	♦	♦	♦	♦
Digoxin	♦	♦	♦	♦	♦	♦	♦	♦	♦
Dopamine	♦	♦	♦	♦	♦	♦	♦	♦	♦
Doxazosin	♦	♦	♦	♦	♦	♦	♦	♦	♦
Enalapril	♦	♦	♦	♦	♦	♦	♦	♦	♦
Eplerenone	♦	♦	♦	♦	♦	♦	♦	♦	♦
Epoprostenol	♦	♦	♦	♦	♦	♦	♦	♦	♦
Eprosartan	♦	♦	♦	♦	♦	♦	♦	♦	♦
Fosinopril	♦	♦	♦	♦	♦	♦	♦	♦	♦
Furosemide	♦	♦	♦	♦	♦	♦	♦	♦	♦
Hydralazine	♦	♦	♦	♦	♦	♦	♦	♦	♦
Hydrochlorothiazide	♦	♦	♦	♦	♦	♦	♦	♦	♦
Iloprost	♦	♦	♦	♦	♦	♦	♦	♦	♦
Indapamide	♦	♦	♦	♦	♦	♦	♦	♦	♦
Irbesartan	♦	♦	♦	♦	♦	♦	♦	♦	♦
Isosorbide dinitrate	♦	♦	♦	♦	♦	♦	♦	♦	♦
Ivabradine	♦	♦	♦	♦	♦	♦	♦	♦	♦
Labetalol	♦	♦	♦	♦	♦	♦	♦	♦	♦
Lacidipine	♦	♦	♦	♦	♦	♦	♦	♦	♦
Lercanidipine	♦	♦	♦	♦	♦	♦	♦	♦	♦
Lisinopril	♦	♦	♦	♦	♦	♦	♦	♦	♦
Losartan	♦	♦	♦	♦	♦	♦	♦	♦	♦
Macitentan	♦	♦	♦	♦	♦	♦	♦	♦	♦
Methyldopa	♦	♦	♦	♦	♦	♦	♦	♦	♦
Metolazone	♦	♦	♦	♦	♦	♦	♦	♦	♦
Moxonidine	♦	♦	♦	♦	♦	♦	♦	♦	♦
Olmesartan	♦	♦	♦	♦	♦	♦	♦	♦	♦
Perindopril	♦	♦	♦	♦	♦	♦	♦	♦	♦
Prazosin	♦	♦	♦	♦	♦	♦	♦	♦	♦
Quinapril	♦	♦	♦	♦	♦	♦	♦	♦	♦
Ramipril	♦	♦	♦	♦	♦	♦	♦	♦	♦
Ranolazine	♦	♦	♦	♦	♦	♦	♦	♦	♦
Riociguat	♦	♦	♦	♦	♦	♦	♦	♦	♦
Sacubitril	♦	♦	♦	♦	♦	♦	♦	♦	♦
Selexipag	♦	♦	♦	♦	♦	♦	♦	♦	♦
Sildenafil (PAH)	♦	♦	♦	♦	♦	♦	♦	♦	♦
Sodium nitroprusside	♦	♦	♦	♦	♦	♦	♦	♦	♦
Spiroolactone	♦	♦	♦	♦	♦	♦	♦	♦	♦
Tadalafil (PAH)	♦	♦	♦	♦	♦	♦	♦	♦	♦
Telmisartan	♦	♦	♦	♦	♦	♦	♦	♦	♦
Terazosin	♦	♦	♦	♦	♦	♦	♦	♦	♦
Torasemide	♦	♦	♦	♦	♦	♦	♦	♦	♦
Trandolapril	♦	♦	♦	♦	♦	♦	♦	♦	♦
Treprostinil	♦	♦	♦	♦	♦	♦	♦	♦	♦
Valsartan	♦	♦	♦	♦	♦	♦	♦	♦	♦
Xipamide	♦	♦	♦	♦	♦	♦	♦	♦	♦

**Key to abbreviations**

ABC	Abacavir (Ziagen®)	3TC	Lamivudine (Epivir®)
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# Interactions with NRTIs

Charts revised July 2020. Full information available at [www.hiv-druginteractions.org](http://www.hiv-druginteractions.org)

Please note that if a drug is not listed it cannot automatically be assumed it is safe to coadminister.

	ABC	ddl	FTC	F/TAF	F/TDF	3TC	d4T	TDF	ZDV
<b>Illicit/Recreational</b>									
Alcohol	◆	◆	◆	◆	◆	◆	◆	◆	◆
Amphetamine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Cannabis	◆	◆	◆	◆	◆	◆	◆	◆	◆
Cocaine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Ecstasy (MDMA)	◆	◆	◆	◆	◆	◆	◆	◆	◆
GHB (Gamma-hydroxybutyrate)	◆	◆	◆	◆	◆	◆	◆	◆	◆
Heroin	◆	◆	◆	◆	◆	◆	◆	◆	◆
LSD (Lysergic acid diethylamide)	◆	◆	◆	◆	◆	◆	◆	◆	◆
Mephedrone	◆	◆	◆	◆	◆	◆	◆	◆	◆
Methamphetamine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Phencyclidine (PCP)	◆	◆	◆	◆	◆	◆	◆	◆	◆
Poppers (Amyl nitrate)	◆	◆	◆	◆	◆	◆	◆	◆	◆
<b>Immune Modulators</b>									
Hydroxyurea (Hydroxycarbamide)	◆	◆	◆	◆	◆	◆	◆	◆	◆
Interferon alpha	◆	◆	◆	◆	◆	◆	◆	◆	◆
Interleukin 2 (Aldesleukin)	◆	◆	◆	◆	◆	◆	◆	◆	◆
Peginterferon alfa-2a	◆	◆	◆	◆	◆	◆	◆	◆	◆
Peginterferon alfa-2b	◆	◆	◆	◆	◆	◆	◆	◆	◆
<b>Immunosuppressants</b>									
Adalimumab	◆	◆	◆	◆	◆	◆	◆	◆	◆
Anti-thymocyte globulin	◆	◆	◆	◆	◆	◆	◆	◆	◆
Azathioprine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Basiliximab	◆	◆	◆	◆	◆	◆	◆	◆	◆
Belatacept	◆	◆	◆	◆	◆	◆	◆	◆	◆
Ciclosporin	◆	◆	◆	◆	◆	◆	◆	◆	◆
Mycophenolate	◆	◆	◆	◆	◆	◆	◆	◆	◆
Sirolimus	◆	◆	◆	◆	◆	◆	◆	◆	◆
Tacrolimus	◆	◆	◆	◆	◆	◆	◆	◆	◆
<b>Lipid Lowering Agents</b>									
Atorvastatin	◆	◆	◆	◆	◆	◆	◆	◆	◆
Bezafibrate	◆	◆	◆	◆	◆	◆	◆	◆	◆
Clofibrate	◆	◆	◆	◆	◆	◆	◆	◆	◆
Evolocumab	◆	◆	◆	◆	◆	◆	◆	◆	◆
Ezetimibe	◆	◆	◆	◆	◆	◆	◆	◆	◆
Fenofibrate	◆	◆	◆	◆	◆	◆	◆	◆	◆
Fish oils	◆	◆	◆	◆	◆	◆	◆	◆	◆
Fluvastatin	◆	◆	◆	◆	◆	◆	◆	◆	◆
Gemfibrozil	◆	◆	◆	◆	◆	◆	◆	◆	◆
Lovastatin	◆	◆	◆	◆	◆	◆	◆	◆	◆
Pitavastatin	◆	◆	◆	◆	◆	◆	◆	◆	◆
Pravastatin	◆	◆	◆	◆	◆	◆	◆	◆	◆
Rosuvastatin	◆	◆	◆	◆	◆	◆	◆	◆	◆
Simvastatin	◆	◆	◆	◆	◆	◆	◆	◆	◆
<b>Overactive Bladder Agents</b>									
Darifenacin	◆	◆	◆	◆	◆	◆	◆	◆	◆
Fesoterodine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Mirabegron	◆	◆	◆	◆	◆	◆	◆	◆	◆
Oxybutynin	◆	◆	◆	◆	◆	◆	◆	◆	◆
Solifenacin	◆	◆	◆	◆	◆	◆	◆	◆	◆
Tolterodine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Trospium	◆	◆	◆	◆	◆	◆	◆	◆	◆
<b>Oxytocics</b>									
Ergometrine (Ergonovine)	◆	◆	◆	◆	◆	◆	◆	◆	◆
Mifepristone	◆	◆	◆	◆	◆	◆	◆	◆	◆
Misoprostol	◆	◆	◆	◆	◆	◆	◆	◆	◆
Oxytocin	◆	◆	◆	◆	◆	◆	◆	◆	◆
<b>Parkinsonism Agents</b>									
Apomorphine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Benserazide	◆	◆	◆	◆	◆	◆	◆	◆	◆
Carbidopa	◆	◆	◆	◆	◆	◆	◆	◆	◆
Levodopa	◆	◆	◆	◆	◆	◆	◆	◆	◆
Pramipexole	◆	◆	◆	◆	◆	◆	◆	◆	◆
Rasagiline	◆	◆	◆	◆	◆	◆	◆	◆	◆
Ropinirole	◆	◆	◆	◆	◆	◆	◆	◆	◆
<b>Steroids</b>									
Beclometasone	◆	◆	◆	◆	◆	◆	◆	◆	◆
Betamethasone	◆	◆	◆	◆	◆	◆	◆	◆	◆
Budesonide	◆	◆	◆	◆	◆	◆	◆	◆	◆
Ciclesonide	◆	◆	◆	◆	◆	◆	◆	◆	◆
Clobetasol	◆	◆	◆	◆	◆	◆	◆	◆	◆
Dexamethasone	◆	◆	◆	◆	◆	◆	◆	◆	◆
Fludrocortisone	◆	◆	◆	◆	◆	◆	◆	◆	◆
Flunisolide	◆	◆	◆	◆	◆	◆	◆	◆	◆
Fluocinolone	◆	◆	◆	◆	◆	◆	◆	◆	◆
Fluticasone	◆	◆	◆	◆	◆	◆	◆	◆	◆
Hydrocortisone (oral)	◆	◆	◆	◆	◆	◆	◆	◆	◆
Hydrocortisone (topical)	◆	◆	◆	◆	◆	◆	◆	◆	◆
Megestrol acetate	◆	◆	◆	◆	◆	◆	◆	◆	◆
Methylprednisolone	◆	◆	◆	◆	◆	◆	◆	◆	◆
Mometasone	◆	◆	◆	◆	◆	◆	◆	◆	◆
Nandrolone	◆	◆	◆	◆	◆	◆	◆	◆	◆
Oxandrolone	◆	◆	◆	◆	◆	◆	◆	◆	◆
Prednisolone	◆	◆	◆	◆	◆	◆	◆	◆	◆
Prednisone	◆	◆	◆	◆	◆	◆	◆	◆	◆
Stanozolol	◆	◆	◆	◆	◆	◆	◆	◆	◆
Testosterone	◆	◆	◆	◆	◆	◆	◆	◆	◆
Triamcinolone	◆	◆	◆	◆	◆	◆	◆	◆	◆

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	ABC	ddl	FTC	F/TAF	F/TDF	3TC	d4T	TDF	ZDV
<b>Other</b>									
Acamprosate	◆	◆	◆	◆	◆	◆	◆	◆	◆
Acetazolamide	◆	◆	◆	◆	◆	◆	◆	◆	◆
Acitretin	◆	◆	◆	◆	◆	◆	◆	◆	◆
Adrenaline (Epinephrine)	◆	◆	◆	◆	◆	◆	◆	◆	◆
Alendronic Acid	◆	◆	◆	◆	◆	◆	◆	◆	◆
Alfuzosin	◆	◆	◆	◆	◆	◆	◆	◆	◆
Allopurinol	◆	◆	◆	◆	◆	◆	◆	◆	◆
Atropine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Baclofen	◆	◆	◆	◆	◆	◆	◆	◆	◆
Bethahistine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Biperiden	◆	◆	◆	◆	◆	◆	◆	◆	◆
Cabergoline	◆	◆	◆	◆	◆	◆	◆	◆	◆
Caffeine citrate	◆	◆	◆	◆	◆	◆	◆	◆	◆
Calcium folinate	◆	◆	◆	◆	◆	◆	◆	◆	◆
Cannabidiol (CBD)	◆	◆	◆	◆	◆	◆	◆	◆	◆
Carbimazole	◆	◆	◆	◆	◆	◆	◆	◆	◆
Clomifene	◆	◆	◆	◆	◆	◆	◆	◆	◆
Colchicine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Cyproterone acetate	◆	◆	◆	◆	◆	◆	◆	◆	◆
Denosumab	◆	◆	◆	◆	◆	◆	◆	◆	◆
Disulfiram	◆	◆	◆	◆	◆	◆	◆	◆	◆
Dutasteride	◆	◆	◆	◆	◆	◆	◆	◆	◆
Fampridine (Dalfampridine)	◆	◆	◆	◆	◆	◆	◆	◆	◆
Filgrastim	◆	◆	◆	◆	◆	◆	◆	◆	◆
Finasteride	◆	◆	◆	◆	◆	◆	◆	◆	◆
Flibanserin	◆	◆	◆	◆	◆	◆	◆	◆	◆
Glycerol trinitrate (Nitroglycerin)	◆	◆	◆	◆	◆	◆	◆	◆	◆
Goserelin	◆	◆	◆	◆	◆	◆	◆	◆	◆
Ibandronic acid	◆	◆	◆	◆	◆	◆	◆	◆	◆
Isotretinoin	◆	◆	◆	◆	◆	◆	◆	◆	◆
Leuprorelin	◆	◆	◆	◆	◆	◆	◆	◆	◆
Levothyroxine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Mannitol	◆	◆	◆	◆	◆	◆	◆	◆	◆
Methylphenidate	◆	◆	◆	◆	◆	◆	◆	◆	◆
Modafinil	◆	◆	◆	◆	◆	◆	◆	◆	◆
Nafidrofuryl	◆	◆	◆	◆	◆	◆	◆	◆	◆
Naloxone	◆	◆	◆	◆	◆	◆	◆	◆	◆
Naltrexone	◆	◆	◆	◆	◆	◆	◆	◆	◆
Neostigmine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Nicorandil	◆	◆	◆	◆	◆	◆	◆	◆	◆
Orlistat	◆	◆	◆	◆	◆	◆	◆	◆	◆
Penicillamine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Pentoxifylline	◆	◆	◆	◆	◆	◆	◆	◆	◆
Pilocarpine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Potassium	◆	◆	◆	◆	◆	◆	◆	◆	◆
Probenecid	◆	◆	◆	◆	◆	◆	◆	◆	◆
Propylthiouracil	◆	◆	◆	◆	◆	◆	◆	◆	◆
Protamine sulphate	◆	◆	◆	◆	◆	◆	◆	◆	◆
Pyridostigmine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Sevelamer	◆	◆	◆	◆	◆	◆	◆	◆	◆
Strontium ranelate	◆	◆	◆	◆	◆	◆	◆	◆	◆
Sulfasalazine	◆	◆	◆	◆	◆	◆	◆	◆	◆
Tamsulosin	◆	◆	◆	◆	◆	◆	◆	◆	◆
Thalidomide	◆	◆	◆	◆	◆	◆	◆	◆	◆
Tranexamic acid	◆	◆	◆	◆	◆	◆	◆	◆	◆
Triptorelin	◆	◆	◆	◆	◆	◆	◆	◆	◆
Varenicline	◆	◆	◆	◆	◆	◆	◆	◆	◆
Zoledronic acid	◆	◆	◆	◆	◆	◆	◆	◆	◆

**Key to abbreviations**

ABC	Abacavir (Ziagen®)	3TC	Lamivudine (Epivir®)
ddl	Didanosine (Videx®, Videx-EC®)	d4T	Stavudine (Zerit®)
FTC	Emtricitabine (Emtriva®)	TDF	Tenofovir disoproxil fumarate (Viread®)
F/TAF	Emtricitabine + Tenofovir alafenamide (Descovy®)	ZDV	Zidovudine (Retrovir®)
F/TDF	Emtricitabine + Tenofovir-Df (Truvada®)		

**Key to symbols**

◆	These drugs should not be coadministered
◆	Potential interaction - may require close monitoring, alteration of drug dosage or timing of administration
◆	Potential interaction likely to be of weak intensity. Additional action/monitoring or dosage adjustment is unlikely to be required
◆	No clinically significant interaction expected

Where advice differs between countries, and/or between boosted and unboosted regimens, the charts reflect the more cautious option.

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