

Interactions with NRTIs

Charts revised February 2023. Full information available at www.hiv-druginteractions.org

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

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

For personal use only. Not for distribution.

| | ABC | FTC | F/TAF | F/TDF | 3TC | TDF | ZDV |
|---|-----|-----|-------|-------|-----|-----|-----|
| Antibacterials | | | | | | | |
| 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 | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Pretomanid | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Pyrazinamide | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Rifabutin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Rifampicin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Rifapentine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Rifaximin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Spectinomycin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Streptomycin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Sulfadiazine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Tazobactam | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Telithromycin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Tetracyclines | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Tinidazole | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Trimethoprim/Sulfamethoxazole | ◆ | ▲ | ▲ | ▲ | ▲ | ▲ | ◆ |
| Vancomycin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Anti-coagulant, Anti-platelet and Fibrinolytic | | | | | | | |
| Acenocoumarol | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Apixaban | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Argatroban | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Aspirin (anti-platelet) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Betrixaban | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Clopidogrel | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Dabigatran | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Dalteparin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Dipyridamole | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Edoxaban | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Enoxaparin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Fondaparinux | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Heparin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Phenprocoumon | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Prasugrel | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Rivaroxaban | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Streptokinase | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Ticagrelor | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Warfarin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |

Key to abbreviations

| | | | |
|-------|---|-----|--|
| ABC | Abacavir (Ziagen [®]) | 3TC | Lamivudine (EpiVir [®]) |
| 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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| | ABC | FTC | F/TAF | F/TDF | 3TC | TDF | ZDV |
|-----------------------------------|-----|-----|-------|-------|-----|-----|-----|
| Anticonvulsants | | | | | | | |
| Carbamazepine | ▲ | ◆ | ● | ◆ | ◆ | ◆ | ▲ |
| Cenobamate | ◆ | ◆ | ◆ | ▲ | ◆ | ▲ | ◆ |
| Clonazepam | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Eslicarbazepine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Ethosuximide | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ■ |
| Gabapentin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Lacosamide | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Lamotrigine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Levetiracetam | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Oxcarbazepine | ◆ | ◆ | ● | ◆ | ◆ | ◆ | ◆ |
| Phenobarbital (Phenobarbitone) | ▲ | ◆ | ● | ◆ | ◆ | ◆ | ■ |
| Phenytoin | ▲ | ◆ | ● | ◆ | ◆ | ◆ | ▲ |
| Pregabalin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Primidone | ▲ | ◆ | ● | ◆ | ◆ | ◆ | ■ |
| Sodium valproate | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ■ |
| Tiagabine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Topiramate | ◆ | ◆ | ◆ | ■ | ◆ | ■ | ◆ |
| Valproate semisodium (Divalproex) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ■ |
| Valproic acid | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ■ |
| Vigabatrin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Zonisamide | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Antidepressants | | | | | | | |
| Agomelatine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Amitriptyline | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Bupropion | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Citalopram | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Clomipramine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Desipramine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Desvenlafaxine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Doxepin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Duloxetine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Escitalopram | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Fluoxetine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Fluvoxamine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Imipramine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Lithium | ◆ | ◆ | ◆ | ■ | ◆ | ■ | ◆ |
| Maprotiline | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Mianserin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Milnacipran | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Mirtazapine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Nefazodone | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Nortriptyline | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Paroxetine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Phenelzine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Reboxetine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Sertraline | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Tranlycypromine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Trazodone | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Trimipramine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Venlafaxine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Vortioxetine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Anti-diabetics | | | | | | | |
| Acarbose | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Alogliptin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Canagliflozin | ◆ | ◆ | ◆ | ■ | ◆ | ■ | ◆ |
| Dapagliflozin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Dulaglutide | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Empagliflozin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Exenatide | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Glibenclamide (Glyburide) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Glizalide | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Glimepiride | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Glipizide | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Insulin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Linagliptin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Liraglutide | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Metformin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Nateglinide | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Pioglitazone | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Repaglinide | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Rosiglitazone | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Saxagliptin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Semaglutide | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Sitagliptin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Tolbutamide | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Vildagliptin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |

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| | ABC | FTC | F/TAF | F/TDF | 3TC | TDF | ZDV |
|-------------------------------|-----|-----|-------|-------|-----|-----|-----|
| Antifungals | | | | | | | |
| Amphotericin B | ◆ | ◆ | ◆ | ■ | ◆ | ■ | ■ |
| Anidulafungin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Caspofungin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Clotriazole (pessary, troche) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Clotriazole (topical) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Fluconazole | ◆ | ◆ | ▲ | ■ | ◆ | ■ | ■ |
| Flucytosine | ◆ | ■ | ■ | ■ | ■ | ■ | ■ |
| Griseofulvin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Isavuconazole | ◆ | ◆ | ▲ | ◆ | ◆ | ◆ | ◆ |
| Itraconazole | ◆ | ◆ | ■ | ■ | ◆ | ■ | ◆ |
| Ketoconazole | ◆ | ◆ | ■ | ■ | ◆ | ■ | ◆ |
| Miconazole | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Nystatin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Posaconazole | ◆ | ◆ | ◆ | ■ | ◆ | ■ | ◆ |
| Terbinafine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Voriconazole | ◆ | ◆ | ◆ | ■ | ◆ | ■ | ◆ |
| Antihistamines | | | | | | | |
| Astemizole | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Cetirizine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Chlorphenamine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Diphenhydramine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Fexofenadine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Levocetirizine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Loratadine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Promethazine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Terfenadine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Antimigraine Agents | | | | | | | |
| Almotriptan | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Dihydroergotamine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Eletriptan | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Ergotamine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Rizatriptan | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Sumatriptan | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Zolmitriptan | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Antiprotozoals | | | | | | | |
| Amodiaquine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ■ |
| Artemisinin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Atovaquone | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ■ |
| Benznidazole | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ■ |
| Chloroquine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Diloxanide | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Eflornithine | ◆ | ▲ | ▲ | ▲ | ▲ | ▲ | ■ |
| Halofantrine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Hydroxychloroquine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Lumefantrine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Mefloquine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Meglumine antimoniate | ◆ | ◆ | ◆ | ■ | ◆ | ■ | ◆ |
| Melarsoprol | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Miltefosine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Nifurtimox | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Paromomycin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Pentamidine | ◆ | ◆ | ◆ | ■ | ◆ | ■ | ■ |
| Piperazine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Primaquine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ■ |
| Proguanil | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Pyrimethamine | ◆ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ |
| Quinine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Sodium stibogluconate | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ■ |
| Sulfadoxine | ◆ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ |

Key to abbreviations

| | | | |
|-------|---|-----|--|
| ABC | Abacavir (Ziagen [®]) | 3TC | Lamivudine (EpiVir [®]) |
| 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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Interactions with NRTIs

Charts revised February 2023. Full information available at www.hiv-druginteractions.org

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

| | ABC | FTC | F/TAF | F/TDF | 3TC | TDF | ZDV |
|---------------------------------------|-----|-----|-------|-------|-----|-----|-----|
| Antipsychotics/Neuroleptics | | | | | | | |
| Amisulpride | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Aripiprazole | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Asenapine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Chlorpromazine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Clozapine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Fluphenazine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Haloperidol | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Iloperidone | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Levomepromazine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Olanzapine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Paliperidone | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Perazine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Pericyazine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Perphenazine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Pimozide | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Pipotiazine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Quetiapine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Risperidone | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Sulpiride | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Thioridazine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Tiapride | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Ziprasidone | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Zotepine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Zuclophenthixol | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Antivirals | | | | | | | |
| Aciclovir | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Adefovir | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Amantadine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Brincidofovir | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Bulevirtide | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Cidofovir | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Daclatasvir | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Elbasvir/Grazoprevir | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Entecavir | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Famciclovir | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Favipiravir | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Foscarnet | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Ganciclovir | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Glecaprevir/Pibrentasvir | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Ledipasvir/Sofosbuvir | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Letermovir | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Maribavir | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Molnupiravir | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Nirmatrelvir/Ritonavir | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Ombitasvir/Paritaprevir/r | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Ombitasvir/Paritaprevir/r + Dasabuvir | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Oseltamivir | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Remdesivir | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Ribavirin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Rimantadine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Simeprevir | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Sofosbuvir | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Sofosbuvir/Velpatasvir | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Sofosbuvir/Velpatasvir/Voxilaprevir | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Sotrovimab | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Tecovirimat | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Telbivudine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Tenofovir alafenamide (HBV) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Tixagevimab/Cilgavimab | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Valaciclovir | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Zanamivir | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |

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| | ABC | FTC | F/TAF | F/TDF | 3TC | TDF | ZDV |
|---|-----|-----|-------|-------|-----|-----|-----|
| Anxiolytics/Hypnotics/ Sedatives | | | | | | | |
| Alprazolam | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Bromazepam | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Buspirone | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Chlordiazepoxide | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Clobazam | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Clorazepate | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Diazepam | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Estazolam | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Flunitrazepam | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Flurazepam | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Hydroxyzine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Lorazepam | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Lormetazepam | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Midazolam (oral) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Midazolam (parenteral) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Oxazepam | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Temazepam | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Triazolam | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Zaleplon | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Zolpidem | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Zopiclone | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Beta Blockers | | | | | | | |
| Atenolol | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Bisoprolol | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Carvedilol | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Metoprolol | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Nebivolol | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Oxprenolol | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Pindolol | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Propranolol | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Sotalol | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Timolol | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Bronchodilators | | | | | | | |
| Acidiniun bromide | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Aminophylline | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Formoterol | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Glycopyrronium bromide | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Indacaterol | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Ipratropium bromide | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Montelukast | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Olodaterol | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Roflumilast | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Salbutamol | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Salmeterol | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Terbutaline | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Theophylline | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Tiotropium bromide | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Umeclidinium bromide | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Vilanterol | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Calcium Channel Blockers | | | | | | | |
| Amlodipine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Diltiazem | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Felodipine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Nicardipine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Nifedipine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Nisoldipine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Nitrendipine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Verapamil | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |

Key to abbreviations

| | | | |
|-------|---|-----|--|
| ABC | Abacavir (Ziagen [®]) | 3TC | Lamivudine (EpiVir [®]) |
| FTC | Emtricitabine (Emtriva [®]) | TDF | Tenofovir disoproxil fumarate (Viread [®]) |
| F/TAF | Emtricitabine + Tenofovir alafenamide (Descovy [®]) | ZDV | Zidovudine (Retrovir [®]) |
| F/TDF | Emtricitabine + Tenofovir-DP (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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Interactions with NRTIs

Charts revised February 2023. Full information available at www.hiv-druginteractions.org

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

| | ABC | FTC | F/TAF | F/TDF | 3TC | TDF | ZDV |
|-------------------------|-----|-----|-------|-------|-----|-----|-----|
| Cancer Therapies | | | | | | | |
| Abemaciclib | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Abiraterone | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Acalabrutinib | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Anastrozole | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Asparaginase | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Avelumab | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Bevacizumab | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Bexarotene | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Bleomycin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Blinatumomab | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Bortezomib | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Bosutinib | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Brentuximab vedotin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Cabazitaxel | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Cabozantinib | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Capecitabine | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ |
| Carboplatin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Cetuximab | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Chlorambucil | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Cisplatin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Cyclophosphamide | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Cytarabine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Dacarbazine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Dactinomycin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Dasatinib | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Daunorubicin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Docetaxel | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Doxorubicin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Droloxifene | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Enzalutamide | ▲ | ◆ | ▲ | ◆ | ◆ | ◆ | ◆ |
| Epirubicin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Erlotinib | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Estramustine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Etoposide | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Everolimus | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Exemestane | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Fludarabine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Fluorouracil | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ |
| Formestane | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Gefitinib | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Gemcitabine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Ilofosamide | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Imatinib | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Irinotecan | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Lapatinib | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Lenalidomide | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Letrozole | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Mercaptopurine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Mesna | ◆ | ◆ | ◆ | ▲ | ◆ | ▲ | ◆ |
| Methotrexate | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Mitoxantrone | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Nilotinib | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Oxaliplatin | ◆ | ◆ | ◆ | ◆ | ▲ | ◆ | ◆ |
| Paclitaxel | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Pazopanib | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Polatuzumab vedotin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Procarbazine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Rituximab | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Sorafenib | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Sunitinib | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Tamoxifen | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Temsirolimus | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Topotecan | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Toremifene | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Trastuzumab | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Trastuzumab emtansine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Venetoclax | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Vinblastine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Vincristine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Vinorelbine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Vorinostat | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |

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| | ABC | FTC | F/TAF | F/TDF | 3TC | TDF | ZDV |
|---|-----|-----|-------|-------|-----|-----|-----|
| Contraceptives/HRT | | | | | | | |
| Bazedoxifene | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Chlormadinone (COC) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Conjugated estrogens | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Desogestrel (COC) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Desogestrel (POP) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Drospirenone (COC) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Drospirenone (HRT) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Drospirenone (POP) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| 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 (HRT) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Norelgestromin (patch) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Norethisterone [Norethindrone] (COC) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Norethisterone [Norethindrone] (HRT) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Norethisterone [Norethindrone] (IM depot) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Norethisterone [Norethindrone] (POP) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Norgestimate (COC) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Norgestimate (HRT) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Norgestrel (COC) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Norgestrel (HRT) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Progesterone (HRT) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Tibolone (HRT) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Ulipristal | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Erectile Dysfunctional Agents | | | | | | | |
| Avanafil | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Sildenafil (Erectile Dysfunction) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Tadalafil (Erectile Dysfunction) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Vardenafil | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Yohimbine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Gastrointestinal Agents | | | | | | | |
| Alosetron | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Antacids | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Bisacodyl | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Cimetidine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Cisapride | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Dexlansoprazole | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Esomeprazole | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Famotidine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Lactulose | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Lansoprazole | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Loperamide | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Mesalazine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Omeprazole | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Pantoprazole | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Prucalopride | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Rabeprazole | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Ranitidine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Senna | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Gastrointestinal Agents (anti-emetics) | | | | | | | |
| Aprepitant | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Dolasetron | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Domperidone | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Dronabinol | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Granisetron | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Metoclopramide | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Ondansetron | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Prochlorperazine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |

Key to abbreviations

| | | | |
|-------|---|-----|--|
| ABC | Abacavir (Ziagen [®]) | 3TC | Lamivudine (EpiVir [®]) |
| 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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Interactions with NRTIs

Charts revised February 2023. Full information available at www.hiv-druginteractions.org

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

| | ABC | FTC | F/TAF | F/TDF | 3TC | TDF | ZDV |
|---|-----|-----|-------|-------|-----|-----|-----|
| Herbals/Supplements/Vitamins | | | | | | | |
| African potato | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Aloe vera | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Ascorbic Acid (vitamin C) [alone] | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Ascorbic Acid [in multivitamins] | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Ashwagandha (Withania somnifera) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Ayahuasca | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Black cohosh | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| 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 | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Ginseng (P. ginseng, P. quinquefolius) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Goldenseal root (Hydrastis canadensis) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Grapefruit juice | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Green tea extracts (Camellia sinensis) | ◆ | ◆ | ▲ | ▲ | ◆ | ▲ | ◆ |
| Guggulsterone | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Hops (Humulus lupulus) | ◆ | ◆ | ■ | ◆ | ◆ | ◆ | ◆ |
| Inula racemosa | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Iodine [alone] | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Iodine [in multivitamins] | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Iron supplements (injection/infusion) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Iron supplements (oral) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Liquorice (Glycyrrhiza glabra) | ◆ | ◆ | ▲ | ■ | ◆ | ■ | ◆ |
| Magnesium supplements | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Malabar nut tree | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Menthol | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Milk thistle (silymarin) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Mucuna pruriens | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| 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 | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |

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| | ABC | FTC | F/TAF | F/TDF | 3TC | TDF | ZDV |
|--|-----|-----|-------|-------|-----|-----|-----|
| Hypertension / Heart Failure Agents | | | | | | | |
| Aliskiren | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Ambrisentan | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Amiloride | ◆ | ◆ | ◆ | ◆ | ▲ | ◆ | ◆ |
| Azilsartan | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Benazepril | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Bendroflumethiazide | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Bosentan | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Candesartan | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Captopril | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Chlortalidone | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Cilazapril | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Clonidine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Dopamine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Doxazosin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Enalapril | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Eplerenone | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Epoprostenol | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Eprosartan | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Fosinopril | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Furosemide | ◆ | ◆ | ◆ | ▲ | ◆ | ▲ | ◆ |
| Hydralazine | ◆ | ◆ | ◆ | ■ | ◆ | ■ | ◆ |
| Hydrochlorothiazide | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Iloprost | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Indapamide | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Irbesartan | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Isosorbide dinitrate | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Ivabradine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Labetalol | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Lacidipine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Lercanidipine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Lisinopril | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Losartan | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Macitentan | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Methyldopa | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ■ |
| Metolazone | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Midodrine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Moxonidine | ◆ | ◆ | ◆ | ▲ | ◆ | ▲ | ◆ |
| Olmesartan | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Perindopril | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Prazosin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Quinapril | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Ramipril | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Ranolazine | ◆ | ◆ | ■ | ■ | ◆ | ■ | ◆ |
| Riociguat | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Sacubitril | ◆ | ◆ | ▲ | ◆ | ◆ | ▲ | ◆ |
| Selexipag | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Sildenafil (PAH) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Sodium nitroprusside | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Spironolactone | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Tadalafil (PAH) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Telmisartan | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Terazosin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Torasemide | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Trandolapril | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Treprostinil | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Triamterene | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Valsartan | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Xipamide | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Illicit/Recreational | | | | | | | |
| Alcohol | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Amphetamine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Cannabis | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Cocaine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Ecstasy (MDMA) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| GHB (Gamma-hydroxybutyrate) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Heroin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| LSD (Lysergic acid diethylamide) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Mephedrone | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Methamphetamine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Phencyclidine (PCP) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Poppers (Amyl nitrate) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |

Key to abbreviations

| | | | |
|-------|---|-----|--|
| ABC | Abacavir (Ziagen [®]) | 3TC | Lamivudine (EpiVir [®]) |
| 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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Interactions with NRTIs

Charts revised February 2023. Full information available at www.hiv-druginteractions.org

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

| | ABC | FTC | F/TAF | F/TDF | 3TC | TDF | ZDV |
|----------------------------------|-----|-----|-------|-------|-----|-----|-----|
| Immune Modulators | | | | | | | |
| Hydroxyurea (Hydroxycarbamide) | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Interferon alpha | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Interleukin 2 (Aldesleukin) | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Peginterferon alfa-2a | ■ | ■ | ■ | ■ | ■ | ■ | ● |
| Peginterferon alfa-2b | ■ | ■ | ■ | ■ | ■ | ■ | ● |
| Immunosuppressants | | | | | | | |
| Adalimumab | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Anti-thymocyte globulin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Apremilast | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Azathioprine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ▲ |
| Basiliximab | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Belatacept | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Ciclosporin | ◆ | ◆ | ■ | ■ | ■ | ■ | ■ |
| Mycophenolate | ▲ | ◆ | ■ | ■ | ◆ | ■ | ▲ |
| Sirolimus | ◆ | ◆ | ◆ | ▲ | ◆ | ▲ | ◆ |
| Tacrolimus | ◆ | ◆ | ◆ | ▲ | ◆ | ▲ | ◆ |
| Tocilizumab | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Lipid Lowering Agents | | | | | | | |
| Alirocumab | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Atorvastatin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Bezafibrate | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Clofibrate | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Evolocumab | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Ezetimibe | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Fenofibrate | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Fish oils | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Fluvastatin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Gemfibrozil | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Lovastatin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Pitavastatin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Pravastatin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Rosuvastatin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Simvastatin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Overactive Bladder Agents | | | | | | | |
| Darifenacin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Fesoterodine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Mirabegron | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Oxybutynin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Silodosin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Solifenacin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Tolterodine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Trospium | ◆ | ◆ | ◆ | ◆ | ▲ | ◆ | ◆ |
| Oxytocics | | | | | | | |
| Ergometrine (Ergonovine) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Mifepristone | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Misoprostol | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Oxytocin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Parkinsonism Agents | | | | | | | |
| Apomorphine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Benserazide | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Cabergoline (Parkinson's) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Carbidopa | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Levodopa | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Pramipexole | ◆ | ◆ | ◆ | ▲ | ◆ | ◆ | ◆ |
| Rasagiline | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Ropinirole | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Steroids | | | | | | | |
| Beclometasone | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Betamethasone | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Budesonide | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Ciclesonide | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Clobetasol | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Dexamethasone (doses >16 mg) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Dexamethasone (low dose; ≤16 mg) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Fludrocortisone | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Flunisolide | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Fluocinolone | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Fluticasone | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Hydrocortisone (oral) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Hydrocortisone (topical) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Megestrol acetate | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Methylprednisolone | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Mometasone | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Nandrolone | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Oxandrolone | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Prednisolone | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Prednisone | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Stanozolol | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Testosterone | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Triamcinolone | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |

For personal use only. Not for distribution.

| | ABC | FTC | F/TAF | F/TDF | 3TC | TDF | ZDV |
|-------------------------------------|-----|-----|-------|-------|-----|-----|-----|
| Other | | | | | | | |
| Acamprosate | ◆ | ▲ | ▲ | ▲ | ◆ | ◆ | ▲ |
| Acetazolamide | ◆ | ◆ | ◆ | ■ | ◆ | ■ | ■ |
| Acitretin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Adrenaline (Epinephrine) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Alendronic Acid | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Alfuzosin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Allopurinol | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Atomoxetine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Atropine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Baclofen | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Bethastine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Biperiden | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Brimonidine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Cabergoline (lactation suppression) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Caffeine citrate | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Calcitonin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Calcium folinate | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Cannabidiol (CBD) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Carbamazole | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ■ |
| Clomifene | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Colchicine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Colestyramine (Cholestyramine) | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ |
| Cyproterone acetate | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Dapoxetine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Denosumab | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Disulfiram | ▲ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Donepezil | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Dutasteride | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Eltrombopag | ◆ | ◆ | ◆ | ◆ | ▲ | ◆ | ◆ |
| Fampridine (Dalfampridine) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Filgrastim | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Finasteride | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Flibanserin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Glycerol trinitrate (Nitroglycerin) | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Goserelin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Ibandronic acid | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Isotretinoin | ▲ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Leuprorelin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Levothyroxine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Mannitol | ◆ | ◆ | ◆ | ◆ | ▲ | ◆ | ◆ |
| Medroxyprogesterone | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Memantine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Methylphenidate | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Modafinil | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Naftidrofuryl | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Naloxone | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Naltrexone | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Neostigmine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Nicorandil | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Nicotine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Octreotide | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Orlistat | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ |
| Penicillamine | ◆ | ◆ | ◆ | ■ | ◆ | ■ | ■ |
| Pentoxifylline | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Pilocarpine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Potassium | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Probencid | ▲ | ◆ | ◆ | ■ | ▲ | ■ | ■ |
| Propylthiouracil | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Protamine sulphate | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Pyridostigmine | ◆ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ |
| Sevelamer | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ |
| Strontium ranelate | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ |
| Sulfasalazine | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Tamsulosin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Terlipressin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Tesamorelin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Thalidomide | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Tranexamic acid | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Triptorelin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Ursodeoxycholic acid | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Varenicline | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Zoledronic acid | ◆ | ◆ | ◆ | ■ | ◆ | ■ | ◆ |

Key to abbreviations

| | | | |
|-------|---|-----|--|
| ABC | Abacavir (Ziagen [®]) | 3TC | Lamivudine (Epi [®]) |
| 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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