







# HCV Directly Acting Antivirals & RBV

Charts revised September 2021. Full information available at [www.hep-druginteractions.org](http://www.hep-druginteractions.org)

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

DCV, Daclatasvir; ELB/GZR, Elbasvir/Grazoprevir; G/P, Glecaprevir/Pibrentasvir; LED, Ledipasvir; OBV/PTV/r + DSV, Ombitasvir/Paritaprevir/Ritonavir + Dasabuvir; SMV, Simeprevir; SOF, Sofosbuvir; VEL, Velpatasvir; VOX, Voxilaprevir; RBV, Ribavirin.

	DCV	ELB/GZR	G/P	LED/SOF	OBV/PTV/r	OBV/PTV/r+DSV	SMV	SOF	SOF/VEL	SOF/VEL/VOX	RBV
<b>Contraceptives and Hormone Replacements (cont)</b>											
Medroxyprogesterone (depot)	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Medroxyprogesterone (oral)	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Medroxyprogesterone/conjugated estrogens (HRT)	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Medroxyprogesterone/estradiol (HRT)	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Norelgestromin/ethinylestradiol (patch)	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Norethisterone (Norethindrone) (depot injection)	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Norethisterone (Norethindrone) (POP)	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Norethisterone (Norethindrone)/estradiol (HRT)	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Norethisterone (Norethindrone)/ethinylestradiol (COC)	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Norethisterone (Norethindrone)/mestranol (COC)	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Norgestimate/ethinylestradiol (COC)	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Norgestrel/conjugated estrogens (HRT)	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Norgestrel/ethinylestradiol (COC)	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
<b>Erectile Dysfunction Agents</b>											
Sildenafil	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Tadalafil	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Vardenafil	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
<b>Gastrointestinal Agents</b>											
Aluminium hydroxide	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Alverine citrate	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Antacids	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Aprepitant	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Bisacodyl	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Cimetidine	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Cisapride	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Cyclizine	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Dantron	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Domperidone	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Droperidol	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Esomeprazole	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Famotidine	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Granisetron	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Hyoscine	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Ispaghula husk	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Lactulose	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Lansoprazole	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Linaclotide	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Loperamide	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Lubiprostone	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Macrogol	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Mebeverine	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Mesalazine	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Methylcellulose	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Metoclopramide	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Naloxegol	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Omeprazole	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Ondansetron	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Pantoprazole	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Prucalopride	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Rabeprazole	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Ranitidine	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Senna	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Simeticone	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Sulfasalazine	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Trimebutine	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆

	DCV	ELB/GZR	G/P	LED/SOF	OBV/PTV/r	OBV/PTV/r+DSV	SMV	SOF	SOF/VEL	SOF/VEL/VOX	RBV
<b>HCC Therapies</b>											
Lenvatinib	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Pembrolizumab	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Regorafenib	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Sorafenib	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
<b>Hepatitis B Drugs</b>											
Adefovir	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Entecavir	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Lamivudine	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Peginterferon alfa-2a	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Peginterferon alfa-2b	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Telbivudine	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Tenofovir alafenamide	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Tenofovir-DF	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
<b>Hepatitis C Drugs (Direct Acting Antivirals)</b>											
Daclatasvir	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Elbasvir/Grazoprevir	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Glecaprevir/Pibrentasvir	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Ledipasvir/Sofosbuvir	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
OBV/PTV/r	◆	◆	◆	◆	◆	n/a	◆	◆	◆	◆	◆
OBV/PTV/r + DSV	◆	◆	◆	◆	◆	n/a	◆	◆	◆	◆	◆
Ribavirin	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Simeprevir	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Sofosbuvir	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
SOF/Velpatasvir	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
SOF/Velpatasvir/Voxilaprevir	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
<b>Hepatitis D Entry Inhibitors</b>											
Bulevirtide	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆

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**Key to symbols**

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■	Potential clinically significant interaction that is likely to require additional 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

**Notes**

- Further information is available at [www.hep-druginteractions.org](http://www.hep-druginteractions.org)
- Predicted interactions are based on known metabolic pathways and routes of clearance.
- Caution is required in patients with hepatic impairment as this may also increase drug levels and require dose modification.
- Where advice differs between countries, the charts reflect the more cautious option.

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<b>Herbals/Supplements/Vitamins</b>											
Aloe vera	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Ascorbic acid (Vitamin C)	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Black cohosh	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Cat's claw ( <i>U. tomentosa</i> )	■	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Colecalciferol (Vitamin D3)	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Cyanocobalamin (B12)	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Diosmin	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Echinacea	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Eucalyptus globulus	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Folic acid	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Garlic	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Ginger ( <i>Z. officinale</i> )	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Ginkgo biloba	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Ginseng	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Goldenseal ( <i>H. canadensis</i> )	■	■	■	◆	■	■	◆	◆	◆	◆	◆
Grape seed extract	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Grapefruit juice	■	◆	◆	◆	■	■	◆	◆	◆	◆	◆
Green tea ( <i>C. sinensis</i> )	▲	▲	▲	◆	▲	▲	▲	◆	◆	◆	◆
Homeopathic remedies	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Inula racemosa	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Iodine	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Ferrous sulphate	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Kava kava	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Milk thistle	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Retinol (Vitamin A)	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Riboflavin (Vitamin B2)	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Serenoa repens	■	◆	◆	◆	■	■	◆	◆	◆	◆	◆
St John's wort	●	●	●	●	●	●	●	●	●	●	◆
Thiamine (Vitamin B1)	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Turmeric (curcumin)	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Valerian	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Vitamin E	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆

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<b>HIV Drugs</b>											
<i>Entry/Integrase Inhibitors</i>											
Bictegravir/FTC/TAF	◆	◆	▲	◆	■	■	◆	◆	◆	◆	■
Dolutegravir	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Dolutegravir/rilpivirine	◆	◆	◆	◆	■	■	◆	◆	◆	◆	◆
Elvitegravir/cobi /FTC/TAF	■	◆	◆	◆	●	●	◆	◆	◆	◆	■
Elvitegravir/cobi/FTC/TDF	■	●	◆	■	●	●	◆	◆	◆	■	■
Ibalizumab-uiyk	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Maraviroc	◆	◆	◆	◆	■	■	◆	◆	◆	◆	◆
Raltegravir	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
<i>NNRTIs</i>											
Doravirine	◆	◆	◆	◆	▲	▲	◆	◆	◆	◆	◆
Doravirine/3TC/TDF	◆	◆	◆	■	▲	▲	◆	◆	◆	■	■
Efavirenz	■	●	●	◆	●	●	◆	◆	◆	●	◆
Etravirine	■	●	●	◆	●	●	◆	◆	◆	●	◆
Nevirapine	■	●	●	◆	●	●	◆	◆	◆	●	◆
Rilpivirine	◆	◆	◆	◆	■	■	◆	◆	◆	◆	◆
Rilpivirine/dolutegravir	◆	◆	◆	◆	■	■	◆	◆	◆	◆	◆
Rilpivirine/FTC/TAF	◆	◆	◆	◆	■	■	◆	◆	◆	◆	◆
<i>NRTIs</i>											
Abacavir	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	■
Didanosine	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	●
Emtricitabine (FTC)	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	■
Emtricitabine + TAF	◆	◆	◆	◆	■	■	◆	◆	◆	■	■
Emtricitabine + TDF	◆	◆	◆	◆	■	■	◆	◆	◆	■	■
Lamivudine	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	■
Stavudine	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	●
Tenofovir-DP (TDF)	◆	◆	◆	■	◆	◆	◆	◆	◆	■	■
Zidovudine	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	●
<i>Protease Inhibitors</i>											
Atazanavir alone	◆	●	●	◆	■	■	◆	◆	◆	●	■
Atazanavir/cobicistat	■	●	●	◆	●	●	◆	◆	◆	●	■
Atazanavir + ritonavir	■	●	●	◆	●	●	◆	◆	◆	●	■
Darunavir/cobicistat	◆	●	●	◆	●	●	◆	◆	◆	●	■
Darunavir/cobi/FTC/TAF	◆	●	●	◆	●	●	◆	◆	◆	●	■
Darunavir + ritonavir	◆	●	●	◆	■	■	◆	◆	◆	■	■
Fosamprenavir	■	●	●	◆	■	■	◆	◆	◆	●	◆
Indinavir	■	●	●	◆	■	■	◆	◆	◆	●	◆
Lopinavir	◆	●	●	■	●	●	◆	◆	◆	●	◆
Ritonavir	■	●	●	◆	●	●	◆	◆	◆	■	◆
Tipranavir	■	●	●	●	●	●	◆	◆	◆	●	◆

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<b>Hypertension/Heart Failure Agents</b>											
Acebutolol	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Aliskiren	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Ambrisentan	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Amiloride	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Azilsartan	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Benazepril	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Bendroflumethiazide	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Bosentan	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Bumetanide	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Candesartan	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Captopril	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Chlorothiazide	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Chlortalidone	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Cilazapril	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Clevidipine	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Clonidine	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Doxazosin	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Enalapril	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Eplerenone	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Epoprostenol	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Eprosartan	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Fosinopril	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Furosemide	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Hydralazine	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Hydrochlorothiazide	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Iloprost	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Indapamide	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Irbesartan	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Isradipine	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Ivabradine	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Lacidipine	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Lercanidipine	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Lisinopril	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Losartan	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Macitentan	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Methylodopa	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Metolazone	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Moxonidine	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Olmesartan	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Perindopril	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Prazosin	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Quinapril	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Ramipril	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Ranolazine	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Rilmenidine	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Riociguat	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Selexipag	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Sildenafil	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Spironolactone	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Tadalafil	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Telmisartan	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Torasemide	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Trandolapril	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Treprostinil	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Valsartan	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Xipamide	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Zofenopril	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦

	DCV	ELB/ GZR	G/P	LED/ SOF	OBV/ PTV/r	OBV/ PTV/r +DSV	SMV	SOF	SOF/ VEL	SOF/ VEL/ VOX	RBV
<b>Illicit/Recreational</b>											
Alcohol	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Amphetamine	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Cannabis	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Carfentanil	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Cocaine	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Ecstasy (MDMA)	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
GHB (Gamma-hydroxybutyrate)	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Heroin	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
LSD (Lysergic acid diethylamide)	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Mephedrone	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Methamphetamine	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Phencyclidine (PCP)	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
<b>Immunosuppressants</b>											
Adalimumab	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Alemtuzumab	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Anakinra	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Azathioprine	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Baricitinib	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Basiliximab	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Brodalumab	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Canakinumab	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Ciclosporin	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Ecilizumab	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Etanercept	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Fingolimod	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Lenalidomide	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Mycophenolate	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Pirfenidone	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Sarilumab	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Sirolimus	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Tacrolimus	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Tocilizumab	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Upadacitinib	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
<b>Lipid Lowering Agents</b>											
Alirocumab	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Atorvastatin	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Bezafibrate	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Evolocumab	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Ezetimibe	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Fenofibrate	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Fish oils	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Fluvastatin	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Gemfibrozil	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Lovastatin	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Pitavastatin	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Pravastatin	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Rosuvastatin	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
Simvastatin	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦

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### Key to symbols

♦	These drugs should not be coadministered
♦	Potential clinically significant interaction that is likely to require additional 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

### Notes

- Further information is available at www.hep-druginteractions.org
- Predicted interactions are based on known metabolic pathways and routes of clearance.
- Caution is required in patients with hepatic impairment as this may also increase drug levels and require dose modification.
- Where advice differs between countries, the charts reflect the more cautious option.

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