

# Antipsychotic Treatment Selector

Charts reviewed October 2018. Full information available at [www.hiv-druginteractions.org](http://www.hiv-druginteractions.org)

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|                         | ATV/r            | DRV/r          | LPV/r          | EFV            | ETV | NVP | RPV | MVC            | DTG | RAL | ABC | FTC | 3TC | TDF | ZDV | E/C/F/TAF      | E/C/F/TDF      |                |
|-------------------------|------------------|----------------|----------------|----------------|-----|-----|-----|----------------|-----|-----|-----|-----|-----|-----|-----|----------------|----------------|----------------|
| Atypical Antipsychotics | Amisulpride      | ↔              | ↔              | ↔              | ↔   | ↔   | ↔   | ↔              | ↔   | ↔   | ↔   | ↔   | ↔   | ↔   | ↔   | ↔              | ↔              |                |
|                         | Aripiprazole     | ↑              | ↑              | ↑              | ↓   | ↓   | ↓   | ↔              | ↔   | ↔   | ↔   | ↔   | ↔   | ↔   | ↔   | ↑              | ↑              |                |
|                         | Asenapine        | ↓              | ↓              | ↓              | ↓   | ↓   | ↓   | ↔              | ↔   | ↔   | ↔   | ↔   | ↔   | ↔   | ↔   | ↔              | ↑              | ↑              |
|                         | Clozapine        | ↑ <sup>a</sup> | ↑              | ↑ <sup>a</sup> | ↓   | ↓   | ↓   | ↔ <sup>c</sup> | ↔   | ↔   | ↔   | ↔   | ↔   | ↔   | ↔   | ↔ <sup>d</sup> | ↑              | ↑              |
|                         | Olanzapine       | ↓              | ↓              | ↓              | ↓   | ↔   | ↔   | ↔              | ↔   | ↔   | ↔   | ↔   | ↔   | ↔   | ↔   | ↔              | ↔              | ↔              |
|                         | Paliperidone     | ↑ <sup>a</sup> | ↑              | ↑ <sup>a</sup> | ↓   | ↓   | ↓   | ↔              | ↔   | ↔   | ↔   | ↔   | ↔   | ↔   | ↔   | ↔              | ↑              | ↑              |
|                         | Quetiapine       | ↑ <sup>b</sup> | ↑ <sup>b</sup> | ↑ <sup>b</sup> | ↓   | ↓   | ↓   | ↔ <sup>c</sup> | ↔   | ↔   | ↔   | ↔   | ↔   | ↔   | ↔   | ↔ <sup>d</sup> | ↑ <sup>b</sup> | ↑ <sup>b</sup> |
|                         | Risperidone      | ↑              | ↑              | ↑              | ↓   | ↓   | ↓   | ↔              | ↔   | ↔   | ↔   | ↔   | ↔   | ↔   | ↔   | ↔              | ↑              | ↑              |
| Phenothiazines          | Chlorpromazine   | ↑ <sup>a</sup> | ↑              | ↑ <sup>a</sup> | ↔   | ↔   | ↔   | ↔ <sup>c</sup> | ↔   | ↔   | ↔   | ↔   | ↔   | ↔   | ↔   | ↔ <sup>d</sup> | ↑              | ↑              |
|                         | Fluphenazine     | ↑ <sup>a</sup> | ↑              | ↑ <sup>a</sup> | ↔   | ↔   | ↔   | ↔ <sup>c</sup> | ↔   | ↔   | ↔   | ↔   | ↔   | ↔   | ↔   | ↔ <sup>d</sup> | ↑              | ↑              |
|                         | Perphenazine     | ↑ <sup>a</sup> | ↑              | ↑ <sup>a</sup> | ↔   | ↔   | ↔   | ↔ <sup>c</sup> | ↔   | ↔   | ↔   | ↔   | ↔   | ↔   | ↔   | ↔ <sup>d</sup> | ↑              | ↑              |
|                         | Pimozide         | ↑ <sup>a</sup> | ↑              | ↑ <sup>a</sup> | ↑   | ↓   | ↓   | ↔ <sup>c</sup> | ↔   | ↔   | ↔   | ↔   | ↔   | ↔   | ↔   | ↔              | ↑              | ↑              |
|                         | Prochlorperazine | ↑ <sup>a</sup> | ↑              | ↑ <sup>a</sup> | ↔   | ↔   | ↔   | ↔ <sup>c</sup> | ↔   | ↔   | ↔   | ↔   | ↔   | ↔   | ↔   | ↔ <sup>d</sup> | ↑              | ↑              |
|                         | Thioridazine     | ↑ <sup>a</sup> | ↑              | ↑ <sup>a</sup> | ↓   | ↓   | ↓   | ↔ <sup>c</sup> | ↔   | ↔   | ↔   | ↔   | ↔   | ↔   | ↔   | ↔ <sup>d</sup> | ↑              | ↑              |
| Others                  | Haloperidol      | ↑ <sup>a</sup> | ↑              | ↑ <sup>a</sup> | ↓   | ↓   | ↓   | ↔ <sup>c</sup> | ↑   | ↔   | ↔   | ↔   | ↔   | ↔   | ↔   | ↔              | ↑              | ↑              |
|                         | Sulpiride        | ↔ <sup>a</sup> | ↔              | ↔ <sup>a</sup> | ↔   | ↔   | ↔   | ↔ <sup>c</sup> | ↔   | ↔   | ↔   | ↔   | ↔   | ↔   | ↔   | ↔              | ↔              | ↔              |

**Colour Legend**

- No clinically significant interaction expected.
- These drugs should not be coadministered.
- Potential interaction which may require a dosage adjustment or close monitoring.
- Potential interaction predicted to be of weak intensity. No *a priori* dosage adjustment is recommended.

**Text Legend**

- ↑ Potential increased exposure of the antipsychotic
- ↓ Potential decreased exposure of the antipsychotic
- ↔ No significant effect
- ↑ Potential increased exposure of HIV drug

- a Both drugs can potentially prolong the QT interval, ECG monitoring recommended.
- b Coadministration contraindicated in the European SPC however US Prescribing Information recommends quetiapine should be reduced to one sixth of the original dose if coadministered with a potent CYP3A4 inhibitor. The charts reflect the more cautious option.
- c Rilpivirine's manufacturer recommends caution when coadministering with another drug susceptible to prolong QT interval as supratherapeutic dose of rilpivirine (75 and 300 mg once daily) were shown to prolong QT interval.
- d Potential haematological toxicity