### ARV Therapy in Adults & Adolescents

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This resource summarizes critical information regarding antiretroviral agents approved for use in adults and adolescents such as adult dosing (including renal dosing recommendations), available dosage forms, side effects, and important patient (pl) counseling points. Unless otherwise noted, information is adapted from the Panel on Antiretroviral Guidelines for Adults and Adolescents. Guidelines for the use of antiretroviral agents in HIV-1-infected adults and adolescents. Department of Health and Human Services, 2016. Available at: https://aidsinfo.nih.gov/contentfiles/lvguidelines/adultandadolescent.pdf Accessed August 3, 2016.

### Quality, Perinatal Guidelines

For your review, see the Perinatal Guidelines for managing HIV infection in pregnant women and their infants for more information about perinatal recommendations for CD4+ T cells.

### Pregnancy & Perinatal Guidelines

The information contained in this program is intended for health care professionals, and is based on the best knowledge and professional judgment of the authors. Changes in evidence/ guidelines/ best practices may occur. Use of this information is voluntary, and the authors and American Society for Tropical Medicine and Hygiene (ASTMH) assume no responsibility for any adverse effects or consequences occurring as a result of any use of this copyrighted material.

### Pregnancy & Perinatal Guidelines

#### Teratogenicity (A3)

- **Prior exposure:** no increased risk of major birth defects
- **First trimester:** no specific recommendations
- **Second and third trimesters:** no specific recommendations

#### NNRTHI Precautions

- **First trimester:** no specific recommendations
- **Second and third trimesters:** no specific recommendations

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### Antiretroviral Regimens or Components Not Recommended at Any Time

<table>
<thead>
<tr>
<th>Agent(s)</th>
<th>Comments</th>
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<tbody>
<tr>
<td>Abacavir</td>
<td>Pharmacists should avoid prescriptions including Abacavir (Ziagen®), ABC</td>
</tr>
<tr>
<td>Dolutegravir</td>
<td>Pharmacists should avoid prescriptions including Dolutegravir (Tivicay®, Tivicay® + emtricitabine)</td>
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<tr>
<td>Efavirenz</td>
<td>Pharmacists should avoid prescriptions including Efavirenz (Sustiva®)</td>
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<td>Indinavir</td>
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<td>Lamivudine</td>
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<td>Nevirapine</td>
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<td>Ritonavir (single)</td>
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<td>Stavudine</td>
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<tr>
<td>Zidovudine</td>
<td>Pharmacists should avoid prescriptions including Zidovudine (Auzin®)</td>
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</table>

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PPIs (e.g., omeprazole, lansoprazole): contraindicated

### Adult Dose

200 mg or 200 mg bid

Not recommended in pts with pre-ART HIV RNA > 100,000 copies/mL or CD4 count < 200 cells/mm³

**Rilpivirine (Edurant®, RPV)**

\[\text{Rilpivirine (ril-pi-vir-ine)}\]

- 175 mg po bid

**Dosage Form:**

- 200 mg tab

**Important Points:**

- **Important Effects:**
  - ↑ nevirapine, diarrhea, nausea, vomiting, abdominal pain
  - ↑ lipids: cholesterol, triglycerides
  - ↑ hypothyroidism

### Indinavir/Saquinavir (Combivir®)

\[\text{(ind-i-NAV-i-rur/so-ka-NAV-i-rur)}\]

**Dosage Form:**

- 2 × 300 mg tab (1 form of birth control)

**Important Points:**

- Not recommended when CD4 count < 50 cells/mm³

### Protease Inhibitors (PIs)

**Dosage Form:**

- 200 mg tab

**Important Points:**

- **Important Effects:**
  - **Nausea:**
  - **Diarrhea:**
  - **Liver injury:**

### NNRTI Combinations

**Dosage Form:**

- 200 mg tab

**Important Points:**

- **Important Effects:**
  - **Nebivolol:**
  - **Diabetes:**

### NRTIs (Continued)

**Dosage Form:**

- 200 mg tab

**Important Points:**

- **Important Effects:**
  - **Nevirapine:**
  - **Diabetes:**

### Non-nucleoside Reverse Transcriptase Inhibitors (NNRTIs)

**Dosage Form:**

- 200 mg tab

**Important Points:**

- **Important Effects:**
  - **Nelfinavir (Viracept®):**
  - **Diabetes:**

### Pharmacokinetics (PK) Enhancers

**Dosage Form:**

- 200 mg tab

**Important Points:**

- **Important Effects:**
  - **Nelfinavir (Viracept®):**
  - **Diabetes:**