

**COMPREHENSIVE ANTIRETROVIRAL TABLE:  
ADULT DOSING, DOSAGE FORM MODIFICATIONS, ADVERSE REACTIONS and INTERACTION POTENTIAL**

Generic Name Abbrev. (Brand Name)	Dosage Forms ( <b>generics</b> , <b>liquids</b> , <b>alternate forms</b> )	Adult Dosing	Renal/ Hepatic Dose Adjustments	Adverse Reactions	Interaction Potential
<b>NUCLOESIDE/TIDE REVERSE TRANSCRIPTASE INHIBITORS (N(t)RTIs)</b>			<b>hepatotoxicity, mitochondrial toxicity, lactic acidosis</b>		
<b>Abacavir</b> <b>ABC</b> (Ziagen)	<b>Tablet:</b> 300mg <b>Generic tablet:</b> 300mg <b>Oral solution:</b> 20mg/mL	<ul style="list-style-type: none"> <li>300mg BID</li> <li>600mg QD</li> </ul> <b>No food restrictions</b>	<i>No renal adjustment required</i> Child-Pugh Dose 5-6            200mg BID > 6            Contraindicated	N, V, HSR: fever, malaise, GI s/sx, R; do not re-challenge  Check HLA-B*5701 to avoid hypersensitivity reaction	Minimal
<b>Didanosine</b> <b>ddi</b> (Videx EC)	<b>EC Capsules:</b> 125mg, 200mg, 250mg, 400mg <b>Generic Delayed-Release Capsules:</b> 125mg, 200mg, 250mg, 400mg <b>Tablets for oral suspension:</b> 100mg, 150 mg, 200mg <b>Powder for suspension:</b> 10 mg/mL	<ul style="list-style-type: none"> <li>400mg QD (≥60kg)</li> <li>250mg QD (&lt;60 kg)</li> </ul> <b>Empty stomach</b>	CrCl            ≥ 60 kg            < 60 kg 30-59            200mg QD            125mg QD 10-29            125mg QD            125mg QD < 10 or HD            125mg            75mg PO solution <i>No hepatic adjustment recommendation</i>	Pancreatitis, peripheral neuropathy	TDF increases ddi AUC: reduce ddi dose to 250 mg QD if given with TDF 300 mg QD
<b>Emtricitabine</b> <b>FTC</b> (Emtriva)	<b>Capsules:</b> 200mg <b>Oral solution:</b> 10mg/mL	<ul style="list-style-type: none"> <li>200mg QD (capsule)</li> <li>240mg (24 mL) QD oral solution</li> </ul> <b>No food restrictions</b>	CrCl            Capsule            Solution 30-49            200mg Q48h            120mg Q24h 15-29            200mg Q72h            80mg Q24h < 15 or HD            200mg Q96h            60mg Q24h <i>No hepatic adjustment recommendation</i>	HA, N, V	Minimal
<b>Lamivudine</b> <b>3TC</b> (Epivir)	<b>Tablets:</b> 100mg, 150mg, 300mg <b>Generic tablets:</b> 100mg, 150mg, 300mg <b>Oral solution:</b> 5mg/mL, 10mg/mL	<ul style="list-style-type: none"> <li>150mg BID or 300mg QD</li> </ul> <b>No food restrictions</b>	CrCl            Dose 30-49            150mg QD 15-29            150mg x1, 100mg QD 5-14            150mg x1, 50mg QD < 5 or HD            50mg x1, 25mg QD <i>No hepatic adjustment recommendation</i>	HA, N, V	Minimal
<b>Stavudine</b> <b>d4T</b> (Zerit)	<b>Capsules:</b> 15mg, 20mg, 30mg, 40mg <b>Generic capsules:</b> 15mg, 20mg, 30mg, 40mg <b>Powder for oral solution:</b> 1mg/mL (brand and generic)	<ul style="list-style-type: none"> <li>40mg BID (≥60kg)</li> <li>30mg BID (30-60kg)</li> </ul> <b>No food restrictions</b>	CrCl            ≥ 60 kg            < 60 kg 26-50            20mg Q12h            15mg Q12h 10-25 or HD            20mg Q24h            15mg Q24h <i>No hepatic adjustment recommendation</i>	Peripheral neuropathy	Minimal
<b>Tenofovir disoproxil fumarate</b> <b>TDF</b> (Viread)	<b>Tablets:</b> 150mg, 200mg, 250mg, 300mg <b>Oral powder:</b> 40mg/g	<ul style="list-style-type: none"> <li>300mg QD</li> </ul> <b>No food restrictions</b>	CrCl            Dose 30-49            300mg Q48h 10-29            300mg Twice weekly HD            300mg Q7 days <i>No hepatic adjustment</i>	N, V, flatulence, renal toxicity, ↓ bone mineral density	Increases ddi AUC: reduce ddi dose to 250mg QD if given with TDF
<b>Zidovudine</b> <b>AZT, ZDV</b> (Retrovir)	<b>Capsule:</b> 100mg <b>Tablet:</b> 300mg <b>Oral syrup:</b> 10mg/mL <b>Generic capsule, tablet, oral syrup</b> <b>Injection solution:</b> 10mg/mL	<ul style="list-style-type: none"> <li>300mg BID</li> <li>200mg TID</li> </ul> <b>No food restrictions</b>	CrCl            Dose < 15 or HD            100mg TID or 300mg QD <i>No hepatic adjustment recommendation</i>	Anemia, HA, N, V	Minimal; avoid use with other bone marrow (BM) toxic medications

ND= no data available TN= treatment-naïve, TE= treatment-experienced, N= nausea, D= diarrhea, V= vomiting, HA= headache, R= rash

**Updated by: Cristina Gruta, PharmD (11/2016)**

\*\*Renal and hepatic dosing of antiretrovirals is mostly based on product package insert (except QD dosing of ZDV). The DHHS guidelines on antiretroviral agents in HIV-infected adults may indicate other dosing strategies.



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<b>N(t)RTI Co-formulations</b>			<b>hepatotoxicity, mitochondrial toxicity, lactic acidosis</b>								
<b>Zidovudine / Lamivudine AZT/3TC</b> (Combivir)	<b>Tablet:</b> 300mg AZT/ 150mg 3TC <i>Generic tablets</i> available	<ul style="list-style-type: none"> <li>One tablet (300/150) BID</li> </ul> <b>No food restrictions</b>	CrCl < 50mL/min: not recommended  <b>No hepatic adjustment recommendation</b>	See AZT & 3TC	See AZT & 3TC						
<b>Abacavir / Lamivudine ABC/3TC</b> (Epzicom)	<b>Tablet:</b> 600mg ABC/ 300mg 3TC <i>Generic tablets</i> available	<ul style="list-style-type: none"> <li>One tablet (600/300) QD</li> </ul> <b>No food restrictions</b>	CrCl < 50mL/min: not recommended  <b>Contraindicated</b> in hepatic impairment	See ABC & 3TC	See ABC & 3TC						
<b>Zidovudine / Lamivudine / Abacavir AZT/3TC/ABC</b> (Trizivir)	<b>Tablet:</b> 300mg AZT/ 150mg 3TC/ 300mg ABC <i>Generic tablets</i> available	<ul style="list-style-type: none"> <li>One tablet (300/150/300) BID</li> </ul> <b>No food restrictions</b>	CrCl < 50mL/min: not recommended  <b>Contraindicated</b> in hepatic impairment	See AZT, 3TC, & ABC	See AZT, 3TC, & ABC						
<b>Tenofovir DF / Emtricitabine TDF/FTC</b> (Truvada)	<b>Tablet:</b> 300mg TDF/ 200mg FTC, 150mg TDF /100mg FTC, 200mg TDF /133mg FTC, 250mg TDF/167mg FTC	<ul style="list-style-type: none"> <li>One tablet (300/200) QD</li> </ul> <b>No food restrictions</b>	<table border="1"> <tr> <td>CrCl</td> <td>Dose</td> </tr> <tr> <td>30-49</td> <td>1 tab Q48h</td> </tr> <tr> <td>&lt; 30</td> <td>Not recommended</td> </tr> </table> <b>No hepatic adjustment recommendation</b>	CrCl	Dose	30-49	1 tab Q48h	< 30	Not recommended	See TDF & FTC	See TDF & FTC
CrCl	Dose										
30-49	1 tab Q48h										
< 30	Not recommended										
<b>Tenofovir AF / Emtricitabine TAF/FTC</b> (Descovy)  (TAF= tenofovir alafenamide)	<b>Tablet:</b> 25mg TAF/200mg FTC	<ul style="list-style-type: none"> <li>One tablet (25/200) QD</li> </ul> <b>No food restrictions</b>	Co-formulation can be given if CrCl ≥ 30 mL/min. Not recommended if CrCl < 30 mL/min or on hemodialysis.  No dose adjustment Child-Pugh A or B, No dosing data for Child-Pugh C	N, ↑LDL/Total cholesterol	Avoid strong inducers						
<b>NON-NUCLOSIDE REVERSE TRANSCRIPTASE INHIBITORS (NNRTIs)</b>			<b>rash, hepatotoxicity</b>								
<b>Efavirenz EFV</b> (Sustiva)	<b>Capsules:</b> 50mg, 200mg <b>Tablet:</b> 600mg	<ul style="list-style-type: none"> <li>600mg QD</li> </ul> <b>Initially at HS and preferably on empty stomach</b>	<b>No renal dose adjustment required</b>  <b>No hepatic adjustment; use with caution</b>	CNS effects: dizziness, insomnia, vivid dreams	Inducer, inhibitor, and substrate of liver enzymes						
<b>Etravirine ETR</b> (Intencele)	<b>Tablets:</b> 25mg, 100mg, 200mg	<ul style="list-style-type: none"> <li>200mg BID</li> </ul> <b>With food</b>	<b>No renal dose adjustment</b> <table border="1"> <tr> <td>Child-Pugh</td> <td>Dose</td> </tr> <tr> <td>A or B</td> <td>No adjustment necessary</td> </tr> <tr> <td>C</td> <td>No data</td> </tr> </table>	Child-Pugh	Dose	A or B	No adjustment necessary	C	No data	N	ETR is a substrate and inducer of liver enzymes (3A4, 2C9, 2C19) Do not co-administer with TPV/r, FPV/r, ATV/r, non-RTV-boosted PIs, & other NNRTIs
Child-Pugh	Dose										
A or B	No adjustment necessary										
C	No data										
<b>Nevirapine NVP</b> (Viramune)	<b>Tablet:</b> 200mg <b>Extended release tablet:</b> 100mg, 400mg <b>Oral suspension:</b> 10mg/mL <i>Generic 200mg tablets, 400mg ER tablet, 10mg/mL oral suspension</i>	<ul style="list-style-type: none"> <li>200mg QDx2wks; then 200mg BID</li> </ul> <b>No food restrictions</b>	<table border="1"> <tr> <td>CrCl</td> <td>Dose</td> </tr> <tr> <td>≥ 20</td> <td>No adjustment necessary</td> </tr> <tr> <td>&lt; 20</td> <td>No data</td> </tr> </table> <b>Contraindicated</b> in Child-Pugh Class B or C	CrCl	Dose	≥ 20	No adjustment necessary	< 20	No data	R, hepatotoxicity	Both substrate and inducer of liver enzymes
CrCl	Dose										
≥ 20	No adjustment necessary										
< 20	No data										

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**Updated by: Cristina Gruta, PharmD (11/2016)**

\*\*Renal and hepatic dosing of antiretrovirals is mostly based on product package insert (except QD dosing of ZDV). The DHHS guidelines on antiretroviral agents in HIV-infected adults may indicate other dosing strategies.



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Rilpivirine RPV (Edurant)	Tablet: 25mg	<ul style="list-style-type: none"> <li>25mg QD</li> </ul> <b>Take with a normal to high calorie meal</b>	<p><i>No renal dose adjustment required</i></p> <p><i>No hepatic dose adjustment required</i></p>	CNS: depressive disorders, HA, insomnia; rash, increased cholesterol, hepatotoxicity	Substrate of CYP3A4; contraindicated with strong CYP3A inducers Contraindicated with proton pump inhibitors. Give histamine receptor antagonists 12h before or 4h after RPV
<b>NRTI Pair plus NNRTI Co-formulations</b>					
Efavirenz/ Emtricitabine/ Tenofovir DF EFV/FTC/ TDF (Atripla)	Tablet: 600mg EFV/ 200mg FTC/ 300mg TDF	<ul style="list-style-type: none"> <li>One tablet QD</li> </ul> <b>Preferably empty stomach</b>	<p>Not recommended CrCl &lt; 50mL/min</p> <p>Not recommended Child-Pugh Class B or C</p>	N, HA, D, CNS effects	See TDF, FTC, and EFV
Rilpivirine/ Emtricitabine/ Tenofovir DF RPV/FTC/TDF (Complera)	Tablet: 25mg RPV/ 200mg FTC/ 300mg TDF	<ul style="list-style-type: none"> <li>One tablet QD</li> </ul> <b>Take with a full meal</b>	<p>Not recommended CrCl &lt; 50mL/min</p> <p>No adjustment recommended in mild-moderate hepatic impairment; no data in severe impairment</p>	See RPV, FTC, TDF	See RPV, FTC, TDF
Rilpivirine/ Emtricitabine/ Tenofovir AF RPV/FTC/TAF (Odefsey)  (TAF= tenofovir alafenamide)	Tablet: 25mg RPV/ 200mg FTC/ 25mg TAF	<ul style="list-style-type: none"> <li>One tablet QD</li> </ul> <b>Take with a full meal</b>	<p>Do not give co-formulation if CrCl &lt; 30mL/min</p> <p>No dose adjustment Child-Pugh A or B, No dosing data for Child-Pugh C</p>	See RPV , FTC/TAF	See RPV , FTC/TAF
<b>INTEGRASE STRAND TRANSFER INHIBITORS (INSTI)</b>					
Raltegravir RAL (Isentress)	<p>Tablet: 400mg</p> <p><b>*Chewable tablets:</b> 25mg, 100mg</p> <p><b>*Powder for oral suspension:</b> 100mg packets</p> <p><b>(*These formulations are NOT bioequivalent to 400mg tablet)</b></p>	<ul style="list-style-type: none"> <li>400mg BID</li> </ul> <b>No food restrictions</b>	<p><i>No renal dose adjustment required</i></p> <p><i>No hepatic dose recommendation; no data in severe impairment</i></p>	N, HA, increased creatine kinase	Strong inducers of UGT 1A1 (e.g. rifampin) can decrease RAL concentrations
Dolutegravir DTG (Tivicay)	Tablet: 10mg, 25mg, 50mg	<ul style="list-style-type: none"> <li>50mg QD (TN or TE but INSTI-naïve)</li> <li>50mg BID (INSTI-experienced or with certain UGT1A/CYP3A inducers)</li> </ul> <b>No food restrictions</b>	<p><i>No renal dose adjustment required; caution for INSTI-experienced pts with severe renal impairment</i></p> <p><i>No dose adjustment for mild or moderate hepatic impairment; PK unknown for severe hepatic impairment</i></p>	HA, insomnia, increased LFTs	Strong inducers of UGT1A or CYP3A can decrease DTG levels; see package insert for dose adjustments or contraindicated combinations

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<b>NRTI pair + INTEGRASE STRAND TRANSFER INHIBITORS (INSTI) Co-formulations</b>																							
Elvitegravir (EVG)/cobicistat/TDF/FTC (Stribild)	Tablet: 150mg EVG/ 150mg cobicistat/ 200mg FTC/ 300mg TDF	<ul style="list-style-type: none"> <li>One tablet QD</li> <li><b>Take with food</b></li> </ul>	<table border="1"> <tr> <td>CrCl</td> <td>Dose</td> </tr> <tr> <td>≥ 70</td> <td>No adjustment necessary</td> </tr> <tr> <td>&lt; 70</td> <td><b>Initial</b> use not recommended</td> </tr> <tr> <td>&lt; 50</td> <td><b>Continued</b> use not recommended</td> </tr> <tr> <td>HD</td> <td>Not recommended</td> </tr> <tr> <td colspan="2">-----</td> </tr> <tr> <td>Child-Pugh</td> <td>Dose</td> </tr> <tr> <td>A or B</td> <td>No adjustment necessary</td> </tr> <tr> <td>C</td> <td>Not recommended</td> </tr> </table>	CrCl	Dose	≥ 70	No adjustment necessary	< 70	<b>Initial</b> use not recommended	< 50	<b>Continued</b> use not recommended	HD	Not recommended	-----		Child-Pugh	Dose	A or B	No adjustment necessary	C	Not recommended	N, HA, increased creatine kinase, renal toxicity	Strong 3A4 inducers can decrease EVG Cobi is a CYP3A inhibitor, which ↑ EVG exposure; may ↑ exposure to other CYP3A substrates Contraindicated with rifampin, lovastatin, simvastatin, sildenafil dosed as Revatio for PAH
CrCl	Dose																						
≥ 70	No adjustment necessary																						
< 70	<b>Initial</b> use not recommended																						
< 50	<b>Continued</b> use not recommended																						
HD	Not recommended																						
-----																							
Child-Pugh	Dose																						
A or B	No adjustment necessary																						
C	Not recommended																						
Elvitegravir (EVG)/cobicistat/TAF/FTC (Genvoya)  (TAF= tenofovir alafenamide)	Tablet: 150mg EVG/ 150mg cobicistat/ 200mg FTC/ 10mg TAF	<ul style="list-style-type: none"> <li>One tablet QD</li> <li><b>Take with food</b></li> </ul>	Do not give co-formulation if CrCl < 30mL/min  No dose adjustment for Child-Pugh A or B, Not recommended for Child-Pugh C	N, D, HA	Strong 3A4 inducers can decrease EVG Cobi is a CYP3A inhibitor, which ↑ EVG exposure; may ↑ exposure to other CYP3A substrates Contraindicated with rifampin, lovastatin, simvastatin, sildenafil dosed as Revatio for PAH																		
Dolutegravir (DTG)/ABC/3TC (Triumeq)	Tablet: 50mg DTG/600mg ABC/300mg 3TC	<ul style="list-style-type: none"> <li>One tablet QD</li> <li><b>No food restrictions</b></li> </ul>	DTG/ABC/3TC is NOT recommended if CrCl < 50 mL/min because 3TC renal dosing is not possible with co-formulation  DTG/ABC/3TC is NOT recommended if for Child-Pugh A or higher. ABC is dose reduced if Child-Pugh A.	See DTG, ABC, 3TC  Must establish HLA -B*5701 status of pt (to screen for ABC hypersensitivity)	Strong inducers of UGT1A or CYP3A can decrease DTG levels; see package insert for dose adjustments or contraindicated combinations.																		
<b>PROTEASE INHIBITORS (PIs)</b>			<b>hepatotoxicity, lipodystrophy, dyslipidemias, insulin resistance/ hyperglycemia</b>																				
<p><b>Cobicistat</b> is a pure pharmaco-enhancer with no HIV activity. It is available separately as 150 mg tablet (Tybost) approved in combination with either: atazanavir (ATV, Reyataz) 300mg QD in both TN and TE pts <u>OR</u> darunavir (DRV, Prezista) 800mg QD in TN pts or TE pts with no DRV-related mutations. Cobicistat is also co-formulated with atazanavir (as Evotaz) or with darunavir (as Prezcofix)—see below.</p> <p>NOTE: Cobicistat is a potent CYP3A4 inhibitor potentially leading to significant drug-drug interactions. See package insert for contraindicated combinations.</p> <p>If baseline CrCl &lt; 70 mL/min, do not co-administer cobicistat with TDF (tenofovir DF).</p> <p>No dosing adjustment needed for mild to moderate hepatic impairment (Child-Pugh A or B).</p>																							

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			CrCl	Dose		
<b>Atazanavir</b> <b>ATV</b> (Reyataz) <b>ATV/c</b> (Evotaz)  (c=cobicistat)	<b>Capsules:</b> 150mg, 200mg, 300mg <b>*Pediatric Powder:</b> 50mg packets (*Capsules and pediatric powder are NOT interchangeable)  <b>Tablet:</b> 300mg co-formulated with cobicistat 150mg	<ul style="list-style-type: none"> <li>TN: 400mg QD</li> <li>TN or TE: 300mg QD + [RTV 100mg QD <u>or</u> <u>cobi</u> 150mg QD]</li> <li><u>or</u> ATV/cobi one tab QD</li> <li>TN with EFV: 400mg + RTV 100mg</li> </ul> <b>With food</b>	No HD No adjustment necessary  HD (TN) ATV 300mg + RTV 100mg  HD (TE) Not recommended  ----- Child-Pugh Dose  B 300mg QD (no RTV)  C Not recommended	↑ bilirubin, EKG changes (rare), kidney stones	Substrate and inhibitor of liver enzymes. Boost with RTV when given with TDF. Refer to package insert when given with H-2 blockers or PPIs.	
<b>Darunavir</b> <b>DRV</b> (Prezista) <b>DRV/c</b> (Prezcobix)  (c=cobicistat)	<b>Tablets:</b> 75mg, 150mg, 400mg, 600mg, 800mg <b>Oral suspension:</b> 100mg/mL <b>Tablet:</b> 800mg co-formulated with cobicistat 150mg	<ul style="list-style-type: none"> <li>TN or TE with no DRV mutations: 800mg + [RTV 100mg QD <u>or</u> <u>cobi</u> 150 mg QD]</li> <li><u>or</u> DRV/cobi one tab QD</li> <li>TE w/ ≥ 1 DRV mutations: 600mg + RTV 100mg BID</li> </ul> <b>With food</b>	No renal dose adjustment required; DRV/cobi + TDF should not be administered if CrCl < 70 mL/min  No hepatic dose recommendation; not recommended in severe impairment	R, N, D, HA	Inhibitor of CYP3A	
<b>Fosamprenavir</b> <b>FPV</b> (Lexiva)	<b>Tablet:</b> 700mg <b>Oral suspension:</b> 50mg/mL	<ul style="list-style-type: none"> <li>TN: 1400mg BID or 1400mg QD + RTV 100-200mg QD</li> <li>TN or TE: 700mg BID + RTV 100mg BID</li> </ul> <b>With food if RTV-boosted</b> <b>No food restrictions if unboosted dose</b>	No renal dose adjustment required  Child-Pugh Dose 5-6 TN: 700mg BID TN/TE: 700mg BID + RTV 100mg QD  7-9 TN: 700mg BID TN/TE: 450mg BID + RTV 100mg QD  10-15 TN: 350mg BID TN/TE: 300mg BID + RTV 100mg QD	R, D, N, V	Substrate and inhibitor of CYP3A.	
<b>Indinavir</b> <b>IDV</b> (Crixivan)	<b>Capsules:</b> 100mg, 200mg, 400mg	<ul style="list-style-type: none"> <li>800mg Q8h</li> </ul> <b>Empty stomach; ≥48oz fluid/d</b> <ul style="list-style-type: none"> <li>800mg BID + RTV 100-200mg BID</li> </ul> <b>No food restrictions</b>	No renal dose adjustment required  Mild-moderate impairment due to cirrhosis: 600mg Q8h	N, ↑ bilirubin, kidney stones	Substrate and inhibitor of CYP3A.	
<b>Lopinavir/ritonavir</b> <b>LPV/r</b> (Kaletra)	<b>Tablets:</b> 100mg/25mg, 200mg/50mg LPV/r <b>Oral solution:</b> 80mg LPV-20mg RTV / mL	<ul style="list-style-type: none"> <li>Two tablets (200/50 per tablet) BID</li> <li>Four tablets QD (not recommended if ≥3 LPV mutations)</li> </ul> <b>No food restrictions</b>	No renal dose adjustment required  No hepatic dose recommendation; use with caution	D, N, ↑ GGT	Substrate & inhibitor of liver enzymes; contains RTV (potent enzyme inhibitor) Refer to package insert for concomitant dosing with EFV, NVP, FPV, NFV	
<b>Nelfinavir</b> <b>NFV</b> (Viracept)	<b>Tablets:</b> 250mg, 625mg	<ul style="list-style-type: none"> <li>1250mg BID</li> <li>750mg TID</li> </ul> <b>With food</b>	No renal dose adjustment required  No dose adjustment in mild hepatic impairment; not recommended in moderate-severe impairment	D, N, V	Substrate and inhibitor of CYP3A. Substrate of CYP2C19.	

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Updated by: **Cristina Gruta, PharmD (11/2016)**

\*\*Renal and hepatic dosing of antiretrovirals is mostly based on product package insert (except QD dosing of ZDV). The DHHS guidelines on antiretroviral agents in HIV-infected adults may indicate other dosing strategies.



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**COMPREHENSIVE ANTIRETROVIRAL TABLE:  
ADULT DOSING, DOSAGE FORM MODIFICATIONS, ADVERSE REACTIONS and INTERACTION POTENTIAL**

Generic Name Abbrev. (Brand Name)	Dosage Forms ( <b>generics, liquids, alternate forms</b> )	Adult Dosing	Renal/ Hepatic Dose Adjustments	Adverse Reactions	Potential for Interactions						
Ritonavir RTV (Norvir)	<b>Capsule:</b> 100mg (soft gelatin) <b>Tablet:</b> 100mg <b>Oral solution:</b> 80mg/mL	• Given 100-200mg QD-BID to boost PIs <b>With food</b>	<i>No renal dose adjustment required</i>  <i>Follow recommendations for primary PI for hepatic dose adjustment</i>	D, N, V	Significant drug interactions. Inhibitor of CYP3A and 2D6. Inducer p-glycoprotein.						
Saquinavir SQV (Invirase)	<b>Capsule:</b> 200mg <b>Tablet:</b> 500mg	• 1000mg BID + RTV 100mg BID <b>With meals</b>	<i>No renal dose adjustment required</i>  <i>Use with caution in mild-moderate impairment; contraindicated in severe impairment</i>	D, N, abdominal pain	Substrate and inhibitor of CYP3A						
Tipranavir TPV (Aptivus)	<b>Capsule:</b> 250mg (soft gelatin) <b>Oral solution:</b> 100mg/mL (with 116IU vitamin E/mL)	• 500mg BID + RTV 200mg BID <b>With food</b>	<i>No renal dose adjustment required</i>  <table border="1"> <tr> <td>Child-Pugh</td> <td>Dose</td> </tr> <tr> <td>A</td> <td>Use with caution</td> </tr> <tr> <td>B or C</td> <td>Contraindicated</td> </tr> </table>	Child-Pugh	Dose	A	Use with caution	B or C	Contraindicated	D, N, V, HA	Net inhibitor of liver enzymes (CYP3A) and inducer of p-glycoprotein.
Child-Pugh	Dose										
A	Use with caution										
B or C	Contraindicated										
<b>ENTRY INHIBITORS (Fusion Inhibitors and CCR5 Co-receptor Antagonists)</b>											
Enfuvirtide ENF, T-20 (Fuzeon)	<b>Injection:</b> powder reconstituted to 90mg/mL; single use vial	• 90mg SQ BID	<i>No renal dose adjustment required</i>  <i>No hepatic dose recommendation</i>	Injection site reactions; myalgia	Minimal						
Maraviroc MVC (Selzentry)	<b>Tablets:</b> 150mg, 300mg	• MVC+strong CYP3A inhibitor (except TPV): 150mg BID • MVC+CYP3A inducer only: 600mg BID • MVC+NRTIs, TPV, NVP: 300mg BID <b>No food restrictions</b>	<i>When co-administered with potent inducers or inhibitors, MVC <u>NOT</u> recommended when CrCl &lt; 30mL/min or in pts on HD. See package insert for specifics.</i>  <i>No hepatic dose recommendation</i>	R, cough, fever, musculoskeletal symptoms, hepatotoxicity	MVC is a substrate of liver enzymes. CYP3A inhibitors (w/ or w/o inducers), PIs (except TPV/r) and DLV can increase MVC. CYP3A inducers (w/o inhibitors) can decrease MVC.						

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