

Pocket Card Development:

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STEP 1 Admission Assessment

Initial Patient Assessment

Component	Comments
Medical History	 Confirm admission diagnosis/HIV status Depending on institutional practice, consider informing HIV clinic of admission for continuity of care. Summary of previous and current medical conditions, including HBV, HCV, Ols, STIs, psychiatric, metabolic, etc. Pregnancy or possibility of pregnancy Vital signs, ROS, height, weight
Social History	 Living arrangements Income stability/job security Social/family support Alcohol/addictions/recreational drug use Drug coverage plan (include ARV coverage, coverage for other medications)
Laboratory Tests	 HIV-specific labs, including most recent CD4 count and HIV viral load HAV, HBV, HCV status, toxoplasmosis serology, tuberculosis status if available CBC, electrolytes Organ function (assess overall stability) Renal (SCr, CrCl for renal drug dosing adjustments) Hepatic (ALT, AST, ALP, bilirubin, albumin, INR)
BPMH/ Medication Reconciliation	 Allergies/intolerances Clarify the reaction, drug involved, date, and required treatment Current ARV regimen; study drugs Other prescription and non-prescription drugs, including inhalers, patches, topical medications, recent intra-articular injections (e.g. corticosteroids) CAM/Herbal medications Note: For all medications, clarify indication, drug, dose, frequency, formulation, route of administration and adherence
	Hospital Admission ARV Seamless Care Tips:
	 If patient was taking ARVs prior to admission, was the patient adherent? Check with patient, outpatient refill history, community pharmacy, HIV program. Check for any reasons why ARVs should be held in the hospital (recent non-adherence in the community, patient instability, significant drug toxicity on admission, significant illness in hospital, NPO, etc). In NPO/critical care/severe nausea patients it might be necessary to stop all ARVs for the short-term depending on feeds and drug malabsorption issues. Avoid use of partial ARV regimens to minimize the development of resistance (continue all drugs or stop all drugs together). If uncertain consult with HIV program. Check if the patient is receiving therapy for HBV or HCV co-infection as these therapies should generally be continued during hospitalization.

ARV: antiretroviral; FDC: fixed dose combination; HAV: hepatitis A virus; HBV: hepatitis B virus; HCV: hepatitis C virus; NPO: nothing by mouth; Ols: opportunistic infections; ROS: review of systems; STIs: sexually transmitted infections

1. ADMISSION ASSESSMENT CONTINUED

Assess Antiretroviral (ARV) Therapy on Admission

Is it the correct therapy? (See Antiretroviral Agents/ Handy Resources)

- Usually HIV is treated with 3 active drugs; however some patients may be on > 3 drugs in cases of resistance.
- There is also ongoing research on the use of 2-drug combinations.
- There are many new co-formulations with several drugs included called fixed dose combinations (FDCs) or single tablet regimens (STRs).
- Ritonavir and cobicistat are not considered "active drugs" (they are pharmacokinetic boosters to increase concentrations of certain ARVs).

Is there adequate ARV stock/drug coverage?

- Ensure there is a supply of ARVs- check with patient, hospital stock, dispensing outpatient or community pharmacy.
- Ensure the patient has active ARV drug coverage and is aware of potential drug costs upon discharge (see Discharge Assessment/Handy Resources).

Are the doses/ formulations correct? (See Antiretroviral Agents/ Handy Resources)

- In some cases ARV doses may differ from the product monograph. Verify with the outpatient/community pharmacy or HIV program if needed.
- Ensure doses are adjusted for significant renal/hepatic dysfunction or dialysis.
- Some FDCs should be avoided if the CrCL < 50 mL/min and need to be split up into single drug formulations. When uncertain, consult with the HIV program.
- Ensure the formulation is correct. Most ARVs are available in tablets or capsules and there are a few liquids; only zidovudine is available IV.
- Consult specialized information on liquids, crushing tablets, or opening capsules. (See Handy Resources)

Is therapy effective?

- Verify CD4 count and viral load. Ideally the CD4 count should be > 200 cells/µL (i.e. $> 0.200 \times 10^{9}$ /L) to prevent Ols, although some patients are not able to achieve this degree of immune
- The HIV viral load should be undetectable/not quantifiable if the patient is responding well to therapy. If the viral load is > 200-250 cells/µL while on ARVs, a genotypic ARV resistance test (GART) might be indicated (consult with HIV/ID team).
- Monitoring efficacy: When starting therapy the HIV viral load is measured after 4-8 weeks to assess the initial response to therapy. In general, the CD4 count and viral load are monitored every 3-6 mos, depending on the response to treatment and the stability of the patient.
- If the CD4 count is < 200 cell/µL, OI prophylaxis may be required to prevent certain infections like Pneumocystis pneumonia (PCP or PJP) (< 200), toxoplasmosis (< 100, if toxo Ab +) and Mycobacterium avium complex (MAC) (< 50). (See Handy Resources - Ol guidelines)

Is therapy safe? (See Antiretroviral Agents/ Handy Resources)

- Ensure the patient is tolerating the current ARV regimen.
- Common problems include GI (nausea, anorexia, diarrhea) and metabolic toxicities (high lipids, diabetes).
- More serious toxicities may include skin rashes (not always serious), renal failure, hepatic failure (less common), pancreatitis, and anemia.

Are there any drugdrug interactions? (See Antiretroviral Agents/ Handy Resources)

 Common drug interactions involve absorption (pH and chelation/complexation interactions); metabolic (CYP450 3A4/2D6 and P-qp inhibition and induction interactions); and additive toxicity (renal, cytopenias).

Are there any scheduling issues?

Handy Resources)

- Most ARVs are best tolerated/absorbed with food; try to accommodate patient preferences when scheduling ARVs.
- (See Antiretroviral Agents/ It is important to give a once daily regimen all at the same time and to give pharmacokinetic boosters (ritonavir, cobicistat) at the same time as the drugs they are boosting (e.g. protease inhibitors).
 - BID regimens should be scheduled q12h.

to therapy?

Can the patient adhere • Ensure the patient is able to adhere to therapy during the hospitalization and whether this can be continued after discharge. There may be a number of factors that can affect short and long-term adherence (NPO, inability to eat/swallow, severe nausea, day passes, social, housing, addictions, toxicities, formulations issues, etc).

Assessment During Course of Hospitalization

- For patients on ARVs, review medication profile daily or when medication changes are made.
- Monitor for common errors that may occur when transitioning from units including drug omissions, drug dosing issues, drug
 interactions with concurrent therapies prescribed over the course of hospitalization, scheduling of medications with food, auto-stops
 on antimicrobials (including ARVs and OI treatment/prophylaxis), etc.
- Monitor laboratory tests for efficacy and toxicity if these tests are ordered during hospitalization. <u>Efficacy</u>: CD4 count and HIV viral load (every 3-6 mos). <u>Toxicity</u>: CBC/diff, renal/hepatic function, GI effects. Long-term effects drug-specific (e.g. ↑ lipids/glucose, ↓ bone mineral density (BMD)).

STEP 3 Discharge Assessment

Assess Discharge Prescriptions

- Discharge ARVs should be ordered and forwarded to the dispensing pharmacy with adequate time for preparation.
- If changes were made during hospitalization, ensure that the changes were approved by an HIV healthcare provider
- Ensure that authorization for drug coverage is completed prior to discharge (see Handy Resources)
- Ensure OI treatment/prophylaxis prophylaxis medications are ordered if indicated.
- Verify that all other medications are ordered as appropriate including prescription, OTC and PRN drugs.
- If still indicated, re-start medications that were held on admission or during the course of hospitalization.

ARV Dispensing/ Coverage

- Verify coverage of ARVs and other drugs.
- · Consult with HIV program if drug coverage is an issue.
- Each province has different ARVs that are covered and drug coverage policies. (see Handy Resources)
- Other forms of drug coverage include:
 - Non-Insured Health Benefits (NIHB)
 - Interim Federal Health (IFH)
 - Private Insurance
 - Compassionate Access from pharmaceutical industry

ARV Adherence

- Address potential for non-adherence in outpatient setting.
- Reinforce important adherence and food requirements.
- Assess whether special adherence aids are required:
 - Medication schedule
 - Blister pack or daily observed therapy (DOT) at outpatient/community pharmacy
 - Consider giving DOT ARVs with daily opioids/methadone to increase adherence
 - Beepers, reminders, supports
 - Delivery of medications

Outpatient Follow-up

- Arrange for follow-up with HIV physician/care team.
- Arrange for follow-up with other health care providers such as the family physician.
- Communicate any changes in drug therapy to outpatient health care providers (e.g. physicians, HIV team, outpatient/community pharmacy).

Antiretroviral Agents

Drug/Trade Name	Formulations/ Strengths	Usual Adult Dose/ Food	Comments
Individual Antiretrovirals			
NRTIs (Nucleoside Revers	se Transcriptase Inhibitor	rs)	
abacavir (ABC) Ziagen FDC: Trizivir, Kivexa/ Epzicom (US), Triumeq	Tab: 300 mg Sol: 20 mg/mL	300 mg BID OR 600 mg daily Take with or without food	 May ↑ risk of myocardial infarction Risk of HSR in individuals + for the HLA-B5701 gene; screen required before initiation; if + test, avoid abacavir Few drug interactions
didanosine (ddl) Videx EC	EC Cap: 125,200,250, 400 mg Sol: 4 g/240 mL (SAP)	200 mg BID OR 400 mg daily Take 90min ac or 2h pc	Gl intolerancePeripheral neuropathy, pancreatitisFew drug interactions
emtricitabine (FTC) Emtriva (US) FDC: Atripla, Complera, Stribild, Genvoya, Truvada	Cap: 200 mg (US) Sol: 10 mg/mL (US)	200 mg daily Take with or without food	 Well tolerated Few drug interactions Active against HBV Only available in Canada in a FDC

FDC: Fixed Dose Combination; HSR: hypersensitivity reaction

Drug/Trade Name	Formulations/ Strengths	Usual Adult Dose/ Food	Comments
lamivudine (3TC) 3TC/Epivir (US) FDC: Combivir, Kivexa/ Epzicom (US), Trizivir, Triumeq	Tab: 100,150,300 mg Sol: 10 mg/mL Note: 100 mg tabs also for HBV infection (Heptovir)	150 mg BID OR 300 mg daily Take with or without food	Well toleratedFew drug interactionsActive against HBV
stavudine (d4T) Zerit	Cap: 15,20,30,40 mg Sol: 1 mg/mL (SAP)	≥ 60 kg: 40 mg BID < 60 kg: 30 mg BID Take with or without food	Peripheral neuropathy, pancreatitisHyperlipidemiaFew drug interactions
tenofovir disoproxil fumarate (TDF) Viread FDC: Atripla, Complera, Stribild, Truvada	Tab: <i>150,200 (US)</i> ; 300 mg <i>Pwdr: 40 mg/g (US)</i>	300 mg daily Take with or without food	 Nephrotoxicity; ↓ in bone mineral density (BMD) Few drug interactions Active against HBV
tenofovir alafenamide (TAF) FDC: Genvoya, Descovy, Odefsey Single Tab: HBV indication (Vimlidy) (US)	See FDC products	See FDC products	 TAF will largely replace TDF in most tenofovir formulations. ↓ renal and bone toxicity with TAF vs. TDF More drug interactions than TDF; avoid with potent P-gp inducers; dose adjust with P-gp inhibitors Active against HBV
zidovudine (AZT, ZDV) Retrovir FDC: Combivir, Trizivir	Cap: 100 mg Tab: 300 mg (US) IV: 10 mg/mL Syrup: 10 mg/mL	300 mg BID OR 200 mg TID Take with or without food	 Gl intolerance Headache, insomnia Bone marrow suppression, macrocytic anemia, neutropenia Few drug interactions
NNRTIs (Non-Nucleoside I	Reverse Transcriptase Ir	hibitors)	
efavirenz (EFV) Sustiva (generics) FDC: Atripla	Cap: 50, 200 mg Tab: 600 mg	600 mg daily Take qHS on empty stomach or with low- fat snack to minimize CNS S/E	 CNS effects- vivid dreams, nightmares, insomnia, dizziness Rash (usually self-limiting, unless high risk features) Hyperlipidemia Inducer of CYP3A4, 2B6 Avoid in pregnancy if possible
etravirine (ETV) Intelence	Tab: 25,100, 200 mg	200 mg BID OR 400 mg daily Take with food	 Nausea Rash (usually self-limiting, unless high risk features) Inducer of CYP3A4 (weak) Inhibitor of CYP2C, 2C19 (weak-moderate)
nevirapine (NVP) Viramune/ Viramune XR	IR Tab: 200 mg XR Tab: 400 mg Syrup: 10 mg/mL (SAP)	IR: 200 mg daily x 14 days (lead-in) then 200 mg BID OR 400 mg daily XR: 400 mg daily (after 14 day lead-in) Take with or without food	 Rash (may be more serious with hepatitis, check for high risk features) Avoid starting in men with CD4>400 and women with CD4>250 due to † risk of hepatitis Inducer of CYP3A, 2B6

Drug/Trade Name	Formulations/ Strengths	Usual Adult Dose/ Food	Comments
rilpivirine (RPV) Edurant FDC: Complera, Odefsey	Tab: 25 mg	25 mg daily 50 mg daily with rifabutin Take with a meal (400 kcal minimum)	 Headache, dizziness, insomnia, vivid dreams, depression (mild-moderate) Do not administer with PPIs (CI) Spacing required with H2RAs and/or antacids (↑pH decreases RPV absorption) Do not administer with a liquid nutritional drink (↓RPV absorption) Inducers/inhibitors of CYP3A may affect RPV concentrations Avoid initiation if viral load > 100,000 c/mL or CD4 < 200 cells/µL
Pls (Protease Inhibitors)			
atazanavir (ATV) Reyataz FDC: Evotaz	Cap: 100 mg (US), 150, 200, 300 mg Pwdr: 50 mg/1.5 g dispersible oral powder packet (US)	400 mg daily (unboosted) OR 300 mg daily with RTV 100 mg (boosted) Take with food	 Benign and reversible hyperbilirubinemia (UGT1A1 inhibition) Lower risk for metabolic S/E than other Pls Avoid/space from antacids, H2RAs, and/or PPls (↓ ATV absorption) Inhibitor of CYP3A, UGT1A1 Use with PK booster recommended; may also use unboosted
darunavir (DRV) Prezista FDC: Prezcobix	Tab: 75, 150, 400, 600, 800 mg Susp: 100 mg/mL*	DRV 600 mg + RTV 100 mg BID OR DRV 800 mg + RTV 100 mg daily (naïve subjects) Take with food	 Gl intolerance Lower risk for metabolic S/E than other Pls Inhibitor of CYP 3A4 Use with PK booster required DRV/RTV BID dosing often used in more experienced patients with underlying DRV resistance (see product monograph)
fosamprenavir (fAPV) Telzir / <i>Lexiva (US)</i>	Tab: 700 mg Susp: 50 mg/mL	fAPV 1400 mg BID (unboosted) OR fAPV 700 mg + RTV 100 mg BID (boosted) OR fAPV 1400 mg + RTV 100-200 mg daily (boosted) Take tabs with or without food; Susp ac	 Gl intolerance Rash (usually self-limiting, unless high risk features) Metabolic S/E Inhibitor of CYP 3A4 Use with RTV PK booster recommended
Iopinavir (LPV) (see Kaletra under Fixed-Dose Combination (FDC) Products)			
nelfinavir (NFV) Viracept	Tab: 250,625 mg <i>Pwdr: 50 mg/g (US)</i>	1250 mg BID OR 750 mg TID (unboosted) Take with food	 Gl intolerance (diarrhea- treat with fiber, calcium supplements) Metabolic S/E, lipodystrophy Inhibitor of CYP3A4 Only non-boostable Pl High variability in absorption

Drug/Trade Name	Formulations/ Strengths	Usual Adult Dose/ Food	Comments		
INSTIs (Integrase Strand	INSTIs (Integrase Strand Transfer Inhibitors)				
dolutegravir (DTG) Tivicay FDC: Triumeq	Tab: 50 mg Peds: 10, 25 mg tab*; 5 mg dispersible tab (all under study)*	50 mg daily (naïve subjects) OR 50 mg BID (experienced subjects or with certain CYP450 enzyme inducers) Take with or without food	 Well tolerated Gl intolerance, headache, insomnia CK and/or transaminase elevation Non-pathogenic ↑ SCr due to inhibition of renal tubular secretion (SCr: 10-15 µmol/L ↑) Fewer drug interactions Inducers/inhibitors of UGT1A1/CYP3A4 may alter DTG concentrations Administer DTG 2h before or 6h after taking medications containing polyvalent cations (eg. Al, Ca, Fe, Mg, Zn) - (↓ DTG absorption); however may be taken with food at the same time as Ca and Fe 		
elvitegravir (EVG) Vitekta* FDC: Stribild, Genvoya	Tab: 85,150 mg*	Usual dose 150 mg daily with cobicistat 150 mg daily (boosted regimen) Take with food	 Well tolerated Gl intolerance, headache CK and/or transaminase elevation Non-pathogenic ↑ SCr due to inhibition of renal tubular secretion by cobicistat (SCr: 10-15 µmol/L ↑) Modest inducer of CYP 2C9 Cobicistat PK booster required Administer EVG 2h apart from antacids or vitamin/mineral supplements containing polyvalent cations (eg. Al, Ca, Fe, Mg, Zn) - (↓ EVG absorption) 		
raltegravir (RAL) Isentress	Tab: 400 mg Chew Tab: 25,100 mg Pwdr: 20 mg/mL oral banana flavoured granular powder (100 mg/packet) (available in US; SAP in Canada)* 600 mg QD tab under study*	400 mg BID Take with or without food 1200 mg daily (2 x 600 mg QD tabs)-under study*	 Well tolerated Gl intolerance, headache, pyrexia CK and/or transaminase elevation Fewer drug interactions Inducers/inhibitors of UGT1A1 may alter RAL concentrations Concurrent or staggered administration not recommended with Al and/or Mg. May be given with antacids containing CaCO3. Space from Fe, Zn by several hours (↓ RAL absorption) Note: 600 mg tabs may have different cation spacing recommendations once marketed 		
CCR5 Receptor Antagonist					
maraviroc (MVC) Celsentri / Selzentry (US)	Tab: 150, 300 mg	150-600 mg BID, depending on regimen and drug interactions Take with or without food	 Well-tolerated Gl intolerance, headache, orthostatic hypotension Hepatotoxicity Fewer drug interactions Inducers/inhibitors of CYP3A4/P-gp may affect MVC concentrations (recent tropism screening test required; consult with HIV team regarding testing) Only effective if virus has R5 tropism (screening test required) 		

Drug/Trade Name	Formulations/ Strengths	Usual Adult Dose/ Food	Comments
Pharmacokinetic (PK) Boos ritonavir (RTV) Norvir FDC: Kaletra	rters Tab: 100 mg Sol: 80 mg/mL	100-200 mg daily/BID as PK booster Take with food	 Gl intolerance Hepatitis Metabolic S/E Many drug interactions
			 Many drug interactions Inhibitor of CYP 3A4, P-gp > 2D6 Inducer of CYP 1A2, 2B6, 2C9, 2C19, UGT (clinically significant) Not used for ARV properties; used as a PK booster
Cobicistat (cobi) Tybost* FDC: Stribild, Genvoya, Prezcobix, Evotaz	Tab: 150 mg*	150 mg daily as a PK booster; use with daily EVG 150 mg, ATV 300 mg and DRV 800 mg Take with food with other ARVs	 Headache, insomnia, GI intolerance Non-pathogenic ↑ SCr due to inhibition of renal tubular secretion (SCr: 10-15 µmol/L ↑) Many drug interactions Inhibitor of CYP 3A4, P-gp > 2D6 No ARV activity; used as a PK booster

Brand Name	Composition	Usual Adult Dose	Comments			
	Fixed-Dose Combination (FDC) Antiretroviral Products					
NRTI Backbon						
Combivir	Zidovudine 300 mg Lamivudine 150 mg Tab	1 tab BID Avoid if CrCl < 50 mL/min Take with food	 Gl intolerance Headache, insomnia Bone marrow suppression, macrocytic anemia, neutropenia Few drug interactions 			
Descovy*	Tenofovir alafenamide (TAF) 10 and 25 mg Emtricitabine 200 mg Tab	10/200 mg tab with RTV or cobicistat-boosted regimens 25/200 mg tab with other unboosted ARVs Avoid if CrCl < 30 mL/min Take with or without food	 ↓ renal and bone toxicity with TAF vs. TDF More drug interactions than TDF; avoid with potent P-gp inducers; dose adjust with P-gp inhibitors Active against HBV 			
Kivexa/ Epzicom (US)	Abacavir 600 mg Lamivudine 300 mg Tab	1 tab daily Avoid if CrCl < 50 mL/min Take with or without food	 May ↑ risk of myocardial infarction Risk of HSR in individuals + for the HLA-B5701 gene; screen required before initiation; if + test, avoid abacavir Few drug interactions 			
Trizivir	Zidovudine 300 mg Lamivudine 150 mg Abacavir 300 mg Tab	1 tab BID Avoid if CrCl < 50 mL/min Take with food	See Kivexa and Combivir comments			
Truvada	Tenofovir (TDF) 300 mg Emtricitabine 200 mg Tab	1 tab daily Adjustments required if CrCl ≤ 50 mL/min. Avoid if CrCl <30mL/min or dialysis Take with or without food	 Nephrotoxicity; ↓ in bone mineral density (BMD) Few drug interactions Active against HBV 			

Brand Name	Composition	Usual Adult Dose	Comments
PI- based (with	h PK booster)		
Evotaz*	Atazanavir 300 mg Cobicistat 150 mg Tab	1 tab daily Avoid if CrCl < 70 mL/min and also on TDF Take with food	See atazanavir and cobicistat comments
Kaletra	Lopinavir/Ritonavir 100/25 mg (peds), 200/50 mg Tab Sol : 80/20 mg/mL	2 tabs (=400/100 mg) BID OR 4 tabs (=800/200 mg) daily Take with food (tabs, sol)	 Gl intolerance, diarrhea Higher risk for metabolic S/E than other Pls Inhibitor of CYP 3A4; see RTV comments
Prezcobix	Darunavir 800 mg Cobicistat 150 mg Tab	1 tab daily Avoid starting if CrCl < 70 mL/min and also on TDF (e.g. Truvada, Viread) Take with food	See darunavir and cobicistat comments
INSTI-based S	ingle Tablet Regimens (STRs)		
Genvoya*	Tenofovir alafenamide (TAF) 10 mg Emtricitabine 200 mg Elvitegravir (EVG) 150 mg Cobicistat 150 mg Tab	1 tab daily Avoid if CrCL < 30 mL/min Take with food	 Administer 2h apart from antacids or vitamin/mineral supplements containing polyvalent cations (eg. Al, Ca, Fe, Mg, Zn) (↓ EVG absorption) ↓ renal and bone toxicity with TAF vs. TDF See Descovy, elvitegravir and cobicistat comments
Stribild	Tenofovir (TDF) 300 mg Emtricitabine 200 mg Elvitegravir (EVG) 150 mg Cobicistat 150 mg Tab	1 tab daily Avoid starting if CrCl < 70 mL/min Discontinue if CrCl < 50 mL/ min Take with food	 Administer 2h apart from antacids or vitamin/mineral supplements containing polyvalent cations (eg. Al, Ca, Fe, Mg, Zn) (↓ EVG absorption) ↓ renal and bone toxicity with TDF vs. TAF See Truvada, elvitegravir and cobicistat comments
Triumeq	Abacavir 600 mg Lamivudine 300 mg Dolutegravir (DTG) 50 mg Tab	1 tab daily Avoid if CrCl < 50 mL/min Take with or without food Note: Additional 50 mg of dolutegravir should be given 12 hours after Triumeq if co-administered with certain CYP3A4 enzyme inducers	 Administer 2h before or 6h after taking medications containing polyvalent cations (eg. Al, Ca, Fe, Mg, Zn) - (↓ DTG absorption); however may be taken with food at the same time as Ca and Fe. See Kivexa and dolutegravir comments
NNRTI-based S	Single Tablet Regimens (STRs)		
Atripla	Tenofovir (TDF) 300 mg Emtricitabine 200 mg Efavirenz 600 mg Tab	1 tab daily (hs) Avoid if CrCl < 50 mL/min Take on an empty stomach	 Take qHS on an empty stomach or with low-fat snack (to minimize CNS S/E of efavirenz) See Truvada and efavirenz comments
Complera	Tenofovir (TDF) 300 mg Emtricitabine 200 mg Rilpivirine 25 mg Tab	1 tab daily Avoid if CrCl < 50 mL/min Take with a meal (400 Kcal)	 See Truvada and rilpivirine comments Avoid initiation if viral load > 100,000 c/mL or CD4 200 cells/μL
Odefsey*	Tenofovir alafenamide (TAF) 25 mg Emtricitabine 200 mg Rilpivirine 25 mg Tab	1 tab daily Avoid if CrCl < 30 mL/min Take with a meal (400 Kcal)	See Descovy and rilpivirine comments

^{*} May not be covered provincially; may be available via compassionate access (verify with HIV program/manufacturer) or Special Access Program (SAP) - Health Canada.

Handy Resources

Canadian Resources

Canadian HIV/AIDS Pharmacists Network (CHAP) and HIV Clinics: http://hivclinic.ca/chap/downloads/CHAP_Contacts.pdf

Canadian HIV and HCV Services: http://hiv411.ca/

Programme National de Mentorat sur le HIV-SIDA (French): http://pnmvs.org/

ARV Drug Coverage

ARV Drug Access & Coverage in Canada:

http://hivclinic.ca/main/drugs_reimbuse_files/HIV%20medication%20coverage%20across%20Canada.pdf

CATIE - Access to HIV and HCV Drugs: http://www.catie.ca/en/treatment/canadian-drug-programs

Non-Insured Health Benefits (NIHB):

http://www.hc-sc.gc.ca/fniah-spnia/nihb-ssna/provide-fournir/pharma-prod/med-list/index-eng.php

Interim Federal Health (IFH): http://www.cic.gc.ca/english/refugees/outside/arriving-healthcare/practitioners.asp

HIV Drug Information • HIV Patient Resources • Drug Interactions

Toronto General Hospital Site and HIV/HCV app: http://hivclinic.ca / http://app.hivclinic.ca

University of Montreal Site- HIV Medication Guide (in French also): www.hivmedicationguide.com

CATIE HIV/HCV Information Canadian Site: www.catie.ca

University of Liverpool Site (App)- HIV and HCV sites: www.hiv-druginteractions.org/ / www.hep-druginteractions.org/

DHHS Guidelines (US): https://aidsinfo.nih.gov/guidelines

HIV Insite (UCSF): http://hivinsite.ucsf.edu/insite?page=ar-00-02

HIV Drug Dosing in Renal or Hepatic impairment and Dialysis

Toronto General Hospital Site and HIV/HCV app:

http://hivclinic.ca/drug-information/pharmacologic-properties-of-antiretrovirals//http://app.hivclinic.ca

DHHS Guidelines (US): https://aidsinfo.nih.gov/guidelines/html/1/adult-and-adolescent-arv-guidelines/44/arv-dosing-for-renal-or-hepatic-insufficiency

HIV Insite (UCSF): http://hivinsite.ucsf.edu/InSite?page=md-rr-18

Crushing HIV Medications • ARV Liquid Formulations

Toronto General Hospital Site (see Crushing and Liquids) and HIV/HCV app:

http://hivclinic.ca/drug-information/additional-info//http://app.hivclinic.ca

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Opportunistic Infection (OI) Guidelines

CDC Guidelines (US): http://aidsinfo.nih.gov/guidelines

HIV and Pregnancy

Canadian Perinatal Guidelines: Can J Infect Dis Med Microbiol 2014;25(2):75-7 https://www.ncbi.nlm.nih.gov/pubmed/24855474; J Obstet Gynaecol Can 2014;36(8):721-51 https://www.ncbi.nlm.nih.gov/pubmed/25222168

Maternikit: http://www.catie.ca/en/resources/maternikit

Oak Tree (BC) Perinatal Guidelines: http://www.bcwomens.ca/health-professionals/professional-resources/hiv-aids-resources/hiv-aids-clinical-guidelines

Alberta Perinatal Protocols: http://krs.libguides.com/c.php?g=64378&p=414814

Saskatchewan Perinatal Protocols: https://www.skhiv.ca/pregnancy

Ontario Perinatal Guidelines: http://www.ohtn.on.ca/wp-content/uploads/2017/02/MTCT-prevention-guidelines-January-20-2017.doc

DHHS Perinatal Guidelines (US): http://aidsinfo.nih.gov/guidelines