#### MONITORING FOR ALL PATIENTS AT FIRST ANC VISIT Recognise the client with respiratory, neurological, or abdominal danger signs. Screen for meningitis, active depression, other mental health issues or substance Routine clinical evaluation abuse. Screen for chronic diseases and treat according to relevant guidelines. Determine WHO clinical stage. Routine antenatal care according to BANC Plus guide f CD4 < 100, a reflex CrAg screening will be done automatically. CD4 If newly diagnosed with HIV or a known f CD4 is 100—199 a serum CrAg test must be ordered separately HIV-positive client who missed an appointment If CrAg-positive: refer for urgent LP and patient should be discussed with an for more than 90 days or a known HIV-client expert. Fluconazole is teratogenic. Defer ART if ART-naïve depending on LP result, with a VL > 1000 or if a clinical indication arises but don't stop ART if already on ART; If CrAg-negative: start or continue ART Regardless of symptoms, do TB-NAAT on enrolment in antenatal care. TB clinical screen and TB-NAAT<sup>5</sup> (e.g. Symptomatic patients: Do TB-NAAT. In addition do U-LAM if patient admitted to hospital, or in the outpatient setting if CD4 < 200 within the last 6 GXP) To identify TB suspects months, or patient has advanced HIV disease or current serious illness. Consider other investigations for extra-pulmonary TB if clinically indicated All pregnant women should receive calcium, folate and iron. Be aware that DTG **Nutritional assessment** interacts with some medicines, including calcium and iron# To detect deficiency and provide necessary nutritional support Women with BMI < 23: refer to dietician Provide counselling for safer sex, post-natal contraception and partner testing Family planning Negative: syphilis testing should be repeated at scheduled antenatal visits, STI and syphilis screening (rapid at approximately 4-weekly intervals, at labour/delivery, at time of diagnosis of syphilis test—specific/treponemal<sup>#</sup>) ntrauterine death or miscarriage, or at any time if clinically indicated. All positive To identify and treat STIs rapid tests must be confirmed using a RPR test Viral load, if on ART See algorithm on centre spread To identify treatment failure and eligibility for Be sure to check results and respond quickly! switch to DTG-containing regimen If Hb < 10 g/dL: treat with ferrous sulphate tds. Refer if Hb < 8 g/dL with symp-Hb or FBC toms of anaemia, or anaemic and ≥ 36 weeks pregnant, or no response to iron## To detect anaemia and/or neutropaenia If HBsAg-positive: include TDF in regimen (if sCr < 85μmol/L). Provide post-HBsAg (if unknown) exposure hepatitis B prophylaxis for infant, as per relevant guidelines To assess HBV status 5 If the client has recently had TB, the TB-NAAT may give a false-positive. Please call an expert or the hotline to discuss; ##See interaction checker on the hotline app—scan

QR code; "Rapid syphilis tests remain positive for life, even if the infection has been treated. Once a woman has tested positive using a rapid test, a rapid test should no longer be used for routine screening to identify new infections at subsequent visits — a RPR should be used; "If HBsAg negative and not immune, provide Hep B Vaccination, as per National Viral Hepatitis guidelines. Hep B vaccination is not contraindicated in pregnancy. If high-risk and status unknown at delivery, test

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	MONITORING AT MONTHLY AND VISITS: PATIENTS ON ART			
	<b>Viral load</b> To confirm viral suppression or detect virological failure timeously	Refer to VL monitoring on centre spread		
	CD4 count To assess immunological status, risk of OIs and need for prophylaxis	Repeat at month/DC 10 on ART. Thereafter, only repeat 6-monthly if CD4 < 200 or VL > 1000. Repeat CD4 if a clinical indication arises		
	TB symptom screening To identify TB suspects	Every clinic visit		
	FBC, if on AZT To detect anaemia and/or neutropenia	At initiation, month/DC 1, month/DC 3. Repeat if clinically indicated		
	sCr <sup>™</sup> , if on TDF To assess renal function and eligibility for TDF	At initiation, month/DC 3, month/DC 10 and then annually. If $sCr^{\varpi} > 85 \ \mu mol/L$ : do not use TDF. See front page		
	TO			

Please note: use serum creatinine and not eGFR during pregnancy

#### BREASTFEEDING

- Breastfeeding should be initiated within one hour of delivery
- Any mother that is mixed feeding in the first 6 months should be encouraged to return to exclusive breastfeeding

WHAT DOES EXCLUSIVE

**BREASTFEEDING MEAN?** 

For the first six months of life, the baby

only gets mother's milk and

medication. This means no water,

formula, other foods or fluids

- Exclusive breastfeeding is strongly recommended for the first 6 months of life
- Mixed feeding is not a reason to stop breastfeeding
- Introduction of age-appropriate solids from 6 months onwards
- Continue breastfeeding until 2 years of age or older
- Ensure mother is on ART, adherent and VL is suppressed
- It is recommended that women with a VL ≥ 50 c/mL on TLD1 continue to breastfeed. Infant prophylaxis should be extended/restarted while a concerted effort is made to re-suppress the mother's VL
- Stopping breastfeeding should be done **slowly**, over a month
- Breastfeeding is not recommended in mothers who are failing TLD2 or third-line ART. Discuss with an expert

3TC = lamivudine; ABC = abacavir; ANC = antenatal clinic; ART = antiretroviral treatment; ATV/r = atazanavir/ritonavir; AZT = zidovudine; BANC = Basic Antenatal Care; CPT = cotrimoxazole preventive therapy; CrAg = cryptococcal antigen; CXR = chest Xray; DC = dispensing cycle, number of days for which a client would have treatment if a single standard "monthly" quantity of tablets was dispensed; DTG = dolutegravir; EAC = enhanced adherence counselling; EFV = efavirenz; EGK = electronic gate keeping; FBC = full blood count; FTC = emtricitabine; GXP = Gene Expert TB test; Hb = haemoglobin; HBsAg = Hepatitis B surface antigen; HIV = human immunodeficiency virus; IRIS = immune reconstitution syndrome; LP = lumbar puncture; LPV/r = lopinavir/ritonavir; LTFU = lost to follow up; NVP = nevirapine; OI = opportunistic infections; RPR = Rapid plasma reagin; Rx = treatment; sCr = serum creatinine; STI = sexually transmitted infections; TB-NAAT = tuberculosis nucleic acid amplification test; TDF = tenofovir; TEE = tenofovir + emtricitabine + efavirenz; TLD = tenofovir + lamivudine + dolutegravir; TLD1 = Clients on a DTG-containing regimen, who have never failed a previous regimen; TLD2 = Clients on a DTG-containing regimen, who have failed a previous regimen; TST = tuberculin skin testing; VL = viral load; VTP = vertical transmission prevention

# **VTP FOR HIV-POSITIVE MOTHERS 2023**

## **RECOMMENDED REGIMENS**

Keeping the mom's VL suppressed is the best way to protect her infant

### **UNBOOKED/PRESENTS IN LABOUR**

Women not on ART, who test HIV-positive in labour Stat dose of TLD + NVP. Start lifelong ART the next day

Check sCr<sup>w</sup> and CD4. Review results at 3-6 day visit and adapt ART accordingly

Please note: use serum creatinine and not eGFR during pregnancy

#### ART FOR PREGNANT AND BREASTFEEDING WOMEN

	Curre	nt regimen	Criteria for switching	Preferred regimen
	New ART initiation (ART-naïve)  Currently on TEE, or (AZT or ABC) + 3TC + (DTG or NVP or EFV)		Not applicable	
			Switch all to a DTG-containing regimen, regardless of VL. Do VL at booking/1st ANC visit. If VL at booking visit is not sup-	TLD (* ) 10 OF (* ) 10 OF
	Not currently on ART and previously on TEE		pressed, continue to switch same day, but do ABCDE assessment and provide en- hanced adherence counselling, if needed.	(no renal dysfunction: sCr <85 μmol/L, ≥ 10 years of age and weight ≥ 30 kg)
	Any LPV/r or ATV/r regimen for < 2 years			If client does not qualify for TDF:
		VL < 1000	Switch all to a DTG-containing regimen. If VL in last 12 months 50-999: switch, but do ABCDE assessment and provide EAC if needed. Repeat VL in 4-6 weeks as per VL non-suppression algorithm (NSA)	ABC + 3TC + DTG  If client doesn't qualify for TDF and has ABC hypersensitivity:  AZT + 3TC + DTG
	Two or more consecutive VLs ≥ 1000 taken ≥ 2 years after starting LPV/r or ATV/r regimen	Adherence < 80 %: switch but do ABCDE and provide EAC. Repeat VL in 4-6 weeks as per VL NSA		
		taken ≥ 2 years after starting LPV/r or ATV/r	Adherence > 80 %	These clients do not qualify for a same day switch. Discuss with an HIV expert or the hotline (0800 212 506) to authorise and interpret a resistance test.  Provide individualised regimen as recommended by HIV expert
	Only 1 VL > 1000 after 2 years on a LPV/r or ATV/r based regimen		Do ABCDE assessment, EAC if applicable, repeat VL in 4-6 weeks as per VL NSA. This result will group the client into one of the above categories	

#### HOW TO OBJECTIVELY MEASURE ADHERENCE

For adherence to be > 80 %, patient must meet one of the following criteria:

• Pharmacy refills > 80 % in the last 6-12 months

• Attendance of > 80 % of scheduled clinic visits in the last 6-12 months

• Detection of current antiretroviral drugs in the client's blood or urine

To calculate adherence % in the past 6-12 months:

Amount of scheduled visits actually attended by client X 100

Amount of scheduled visits

### **NEED HELP?**

Contact the TOLL-FREE National HIV & TB Health Care Worker Hotline

0800 212 506 / 021 406 6782

Alternatively "WhatsApp" or send an SMS or "Please Call Me" to 071 840 1572 www.mic.uct.ac.za











Based on the Guideline for Vertical Transmission Prevention of Communicable Infections. National Department of Health, South Africa, August 2023 and Standard Treatment Guidelines and Essential Medicines List for Primary Health Care, NDoH, Dec 2024

