USAID AMPATH Uzima



Telephone: (+254)532033471/2 | Postal Address: P.O. Box 4606-30100, Eldoret, Kenya | Email: info@usaidampathuzima.or.ke

Algorithm for Early Infant Diagnosis in Infants and Children<18 months of age Establish HIV Exposure of Infants and Children < 18 months **HTS Settings** Mother known HIV positive At L&D, MNCH/FP.OPD, IPD, HTS for mothers with unknown HIV status A&E, CCC & Community Rapid antibody test on infant/child if mother's HIV status cannot be established If Mother/infant HIV antibody test negative Establish HIV infection for HIV Exposed Child at 6 weeks or at first contact (includes child with negative DNA PCR result at birth) Child is HIV unexposed Collect a DBS for HIV DNA PCR test¹ Routine under-5 care for the well baby Start/continue infant ARV prophylaxis Repeat HIV testing for mother as per Start CPT HTS recommendations **HIV DNA PCR test NEGATIVE** HIV DNA PCR test POSITIVE Child HIV-exposed Child presumed HIV infected Continue HEI follow-up Discontinue infant ARV prophylaxis Start ART Offer comprehensive care including continuation of CPT Collect new sample for confirmatory HIV DNA PCR, baseline Conduct DNA PCR at 6 months of age or soonest viral load and CD4%1 contact thereafter (or earlier if child develops symptoms suggestive of HIV-as per WHO staging criteria)1 Confirmatory HIV DNA PCR test NEGATIVE Confirmatory HIV DNA PCR test POSITIVE **HIV DNA PCR** result **NEGATIVE** Child confirmed HIV infected Child presumed HIV infected Child HIV-exposed Continue ART and Continue ART Continue HEI follow-up Collect and send a DBS to NHRL comprehensive care and Conduct DNA PCR at 12 routine under-5 care months of age or soonest and manage as per the results from contact till 18 months of age (or earlier if child develops symptoms suggestive of HIVas per WHO staging criteria) **HIV DNA PCR result NEGATIVE** Child HIV-exposed Continue HEI follow-up Continue routine under-5 care Conduct HIV Antibody test at 18 months of age If breast feeding, do HIV antibody test every 6 months while breastfeeding and 6 weeks after complete cessation of breastfeeding If HIV antibody test is positive If HIV antibody test is negative Child confirmed HIV infected Child HIV negative Start ART and comprehensive care Stop CPT * Continue CPT Review at age 2 years and document vital status Continue routine under-5 care Continue routine under-5 care

Where Point of Care DNA PCR is available-EID should be done using the whole blood at the facility. For baseline viral load testing - If available, use point of care machine for viral load; If there is no point of care machine to do viral load-Take a plasma and send it to the VL testing laboratory.

*Only after final antibody test negative