



Johns Hopkins Project lab

035 study

Lab-Clinic QC plans



Preparations

- ◆ Train all nurses on
 - Rapid HIV testing
 - Pregnancy testing
- ◆ Topics covered
 - Principle of test
 - Step by step procedure
 - Interpretation of results
 - Hands on practice



HIV rapid

- ◆ Rapid testing will be done at the clinic on EDTA blood
- ◆ Red top and purple tops sent to lab for syphilis and chemistry
- ◆ Sera and plasma separated – stored
- ◆ Once a fortnight choose 5 samples randomly
- ◆ Test with rapid test kits
- ◆ Compare results with clinic results



If there is a discrepancy

- ◆ Repeat testing on sample used in clinic – purple top
- ◆ Confirm result by testing sera
- ◆ If results are inconsistent
 - Labeling problems
 - Sample switching
 - Problem is with testing procedure
 - Ask nurse to demonstrate
- ◆ Fill forms for corrective action and amendment of results



Pregnancy testing

- ◆ Clinic will perform testing as client come
- ◆ Procedure
 - Client gives minimum 20ml
 - A few ml separated for pregnancy and dipstick
 - Pregnancy and dipstick urinalysis performed
 - Keep all urines in a designated area
 - Discard all urines at 3:30pm



Lab activity

- ◆ Once a fortnight, on a day not announced to the clinic - Lab tech goes to clinic before 3:30pm
- ◆ Performs pregnancy testing on 5 randomly picked samples
- ◆ Compares results with clinic results



In case of discrepancy- pregnancy

- ◆ Repeat testing on same sample
 - ? Technique used - Eg too much urine used
- ◆ Confirm result by testing on sample that was set aside for CT/GC testing
 - If results are inconsistent
 - Labeling problems – Sample labels switched when dividing samples
 - If results match
 - Problem is with testing procedure
 - Ask nurse to demonstrate
- ◆ Fill form for corrective action and amend results