Needs Assessment Health Centre IV

Basic information

Location/road/transport links
• Access from Fort Portal town centre is via ~ km of tarmacked road followed by ~ km of rough dirt track. It takes around 30 mins by car.
• Transport for patients would be via private transport such as Boda Boda (3,000 UGX)
• Hospital does have 1x double cab SUV which can be used as ambulance

No. of beds inc. antenatal/postnatal/gynae and delivery beds
• 6 obstetric beds
• 6 medical beds
• 2 delivery beds

Referring to – time for transfer/distance/mode
• Virika (Private hospital in Fort Portal town – distances as above)
• Fort Portal Regional Referral Hospital (aka Buhinga – distances as above)

Other NGOs involved
• Baylor – historical equipment support. Funding for ART clinic. Solar system installation.
• PACE (Program for Accessible Health, Communication and Education) – provision of Gerry cans (Store room full of)
• US Aid – Posters seen

Utilities

Power supply/?back-up generator
• No mains power
• Generator on site – used only when required, occasional fuel shortages

• Solar systems in Theatre and Maternity – in need of repair – supposed to be under warranty still from Baylor but In Charge has been unable to get a response from them

• Kerosene lights in maternity

**Water supply/?back-up tower**

• 2 raised tanks

• 1 surface water collection tank

• Flowing water was identified in all buildings (4 buildings, 4 sinks – 1 per building)

**Waste disposal/placenta pit**

• 2 placenta pits (1 not used as too close to water course)

• Pit latrine has to be emptied periodically as is too close to the water course if left.

• Plenty of waste segregation bins identified but we did not identify disposal method.

**Cool chain**

• Gas powered refrigerators X 2 working

• Solar powered fridge system in theatre (although reported problems on occasion in rainy season with insufficient sunshine to maintain fridge temperature)

**Documentation supply**

• Working photocopier.

• Evidence of documentation supply.

• Partograms in use – evidence of use shown in 81 out of 112 deliveries.
• Evidence of anaesthetic and operative records being kept.
• Evidence of post-natal care records.
• Evidence of internal audit.

**Medical facilities**

**Theatre**

• Tilting table
• Theatre light
• Trolleys
• Resus area for neonate
• Steriliser
• Scrub area
• Linen supply
• Footwear
• Oxygen concentrator
• 2 Cylinders (empty – no time scale for refill – have to go to Kampala)
• Datex-Ohmeda 9100c (not in use due to lack of piped O2 supply)
• EMO machine (no evidence of inhalational agents)

**Neonatal**

• Resus area
• No cots/beds
• No specific neonatal area

**Lab facilities**

• General laboratory offering:
  - Blood slide
- Blood group and serotyping
- Hb
- Platelets
- RBC
- ESR
- Urea Nitrogen
- Creatinine
- Potassium
- Chloride
- Blood sugar
- CD4 count
- Hepatitis B
- Neonatal HIV test
- Syphilis
- TB Microscopy
- TB Culture and Sensitivitiy
- HCG
- RDT (Malaria)
- Stool analysis
- Urinalysis

• Small lab in maternity for
  - HIV testing
  - Hb
  - RDT (Malaria)
  - Syphilis
- Urinalysis

**Ultrasound**
- No

**Staffing**
- 2X Medical officers
- 3X Senior clinical officers
- 9X Nursing officers
- 4X Enrolled nurses
- 5X Nursing assistants
- 1X HIA
- 1X Dental technologist
- 1X Entomology assistance
- 4X Midwives
- 1X Accountants assistant
- 1X Lab technician
- 1X Lab assistant
- 1X Theatre assistant
- 1X Stores assistant
- 1X Driver
- 2X Guards
- 1X Porter/cleaner
- Nb. In addition to paid staff there were a number of VHTs and PEER mothers seen to be working in the hospital.
• Nb. There are 3 members of staff who have been trained to give anaesthetics; we understand that Baylor may provide some of these. The HCIV is advertising for an anaesthetic officer at present.

**Supplies/levels**

• Vacuum extractor (metal cups, hand pump, used 3x in 2 years)
• 5X delivery sets
• MVA sets (multiple)
• Sterilization system seen although mainly use theatre facilities as better.
• Jik (bleach) used for decontamination on maternity
• No evidence of adult resus equipment in maternity (although noted in theatre)
• Neonatal resuscitation area seen with 2 sizes of ambubags and masks, bulb sucker, mucous extractors, digital scales. No oxygen supply on maternity.
• Adequate supply of cannulas/needles/giving sets /blood taking equipment
• Catheters, bags etc – not seen or enquired about
• Adequate supply of sutures available.
• Adequate supply of sterile and non sterile gloves
• Gynae gloves for MROP – did not enquire or see
• Soap seen, no alcohol-gel available – see hand washing audit for further information
• Sluice in theatre, no sluice on wards. The porter is the only cleaner for the entire health centre. No evidence of cleaners store.
Current status

- Maternity ward 4/6 beds occupied
- Medical ward 0/6 beds occupied
- 2 midwives on shift (nb. One post night shift)
- 2 midwives attending workshop
- ART clinic in progress
- Mother-baby care point in progress
- Antenatal clinic in progress
- Immunisation clinic in progress
- Medical Out Patient Department clinic in progress
- See attached photo for maternity admissions and work type in Sept 2014.
  
  Nb. Maternal matrix gave slightly different figures to register (112 total deliveries, 110 alive at discharge, 1 macerated still birth, 1 neonatal death)
- Good evidence of use of Maternal Baby passport
- Evidence that they do take referrals from lower health centres
Drugs

Anaesthetics
- Oxygen concentrator
- Ketamine
- Lidocaine
- Bupivacaine 0.5% heavy
- Adrenaline
- Unable to get access to drug cupboard in theatre to know about any further medications

Analgesics
- Paracetamol
- Ibuprofen
- Diclofenac
- Pethidine

Anti-infective
- Drugs readily available in maternity were:
  - Ampicillin
  - Gentamicin
  - Cefotaxime
  - Erythromycin
  - Chlotrimazole
  - Mebendazole
  - TDF/3TC/EFV (option B)
  - Quinine
- Other anti-infective may have been available from the dispensary
**Anticonvulsants/Antiepileptics**
- Magnesium
- Valium (rectal)
- Hydralazine
- Nifedipine

**Oxytocics and Antioxytocics**
- Misoprostol
- Oxytocin 10 IU in 1ml.
- Nifedipine

**Neonates**
- Dexamethasone
- Vitamin K
- Tetracycline eye ointment
- Nevirapine syrup

**Fluids and Blood**

**Blood**
- No blood available

**Fluids**
- Oral rehydration salts (did not ask if available)
- Glucose injectable solution: 5% (isotonic); 50% (hypertonic).
- Sodium chloride 0.9% isotonic
- Sodium lactate
- Water for injection
Other Photos

Delivery room

Neonatal resuscitation area in delivery room
Drug area/equipment area in delivery room

Maternity ward (antenatal & postnatal)
Covered walk way to theatre. Looking towards maternity from half way.

Covered walk way to theatre, looking towards theatre. The grey door is the back entrance to scrub room, patients go around to the far side of building. Please note the large gutter across the walk-way which has to be crossed to get to theatre). Distance is approximately 50m.
Theatre

Datex-Ohmeda anaesthetic machine under cover as not able to be used.
Epstein, MacIntosh, Oxford (EMO) anaesthetic machine

Medical ward. Note sink behind screens did work although did not look like it had been used in many months.
Laboratory services

1. B/S
2. Blood Grouping and Sero-Typing
3. CD4 Cell Counts (Off-Site)
4. CD4 Cell Counts (On-Site)
5. HB
6. HCG
7. Hepatitis B
8. PCR (OBS)
9. RDT
10. Stool Analysis
11. STPHILIS TEST (RPR/TPHA)
12. TB Culture and Sensitivity
13. TB Microscopy / ZN
14. Urinalysis
15. Random Blood Sugar (RBS)
16. Fasting Blood Sugar
17. RBC
18. Platelets
19. ESR
20. Potassium
21. Chloride
22. Creatinine
23. Blood Urea Nitrogen