

**Introduction**

This assessment tool was created through the joint effort of the Ministry of Health and Social Welfare of Liberia (MOHSW), The Clinton HIV/AIDS Initiative (CHAI), and the Yale School of Public Health in order to measure hospital, health center, and clinic provision of the Basic Package of Health Services (BPHS). The assessment tool measures the following BPHS minimum requirements shown here: Health Services , Staffing, Drugs & Supplies, and Equipment. In addition to the BPHS requirements, the accreditation tool assesses the systems necessary to implement the BPHS. Those system requirements are also shown here and include Human Resources and Facility Operations, Pharmacy, Dispensary and Storeroom, Communicable Disease & Infection Control, Medical Records and Guidelines, and Infrastructure.

**Directions**

The following charts detail the different items by which a facility is assessed in the accreditation process. The charts specify whether a factor is met or unmet for all three health facility levels (hospitals, health centers, and health clinics). All items within the assessment tool are then given a score of either 1 or 0, depending on whether the standard was met or unmet, respectively. For each category, the percentage of standards that was met within each category is then calculated. These scores are then weighted according to the standardized weighting system (below). The combined scores equal the overall accreditation score of the facility.

*Accreditation Categories with Respective Weights*

Category	Weight
Human Resources & Facility Operations	7.50%
Pharmacy, Dispensary and Storeroom	7.50%
Drugs and Supplies	7.50%
Laboratory & Diagnostics	7.50%
Equipment	7.50%
Communicable Disease & Infection	7.50%
Medical Records and Guidelines	7.50%
Infrastructure	7.50%
Health Services	40%
Antenatal Care	
Labor, Delivery and Postpartum Care	
Newborn Care	
Reproductive and Adolescent Health	
Child Health	
Communicable Disease	
Mental Health	
Emergency Care	
Sexual & Gender-Based Violence Care	

**Scoring**

Facilities that receive an overall accreditation score of 75% or higher are considered functional, and receive a Bronze ½ Star.

Facilities that receive an overall accreditation score of 85% or higher receive a Silver 1 Star.

Facilities that meet all the required standards receive a Gold 2 Star.



Ministry of Health & Social Welfare  
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## ACCREDITATION SYSTEM REQUIREMENTS

### Human Resources & Facility Operations

Requirement	Clinic	Health Center	Hospital
Daily physician rounds	No	No	Yes
Formal nurse to nurse reporting for shift transfer	No	No	Yes
All services are free to patients	Yes	Yes	Yes
Free service notification is painted on facility walls	Yes	Yes	Yes
Hospital Medical Director a full-time employee and a licensed physician	No	No	Yes
OIC/Hospital Medical Director present in the facility at least 20 days/month	Yes	Yes	Yes
OIC is a full-time employee and a licensed PA, RN, CM, LPN or NM	Yes	Yes	No
Facility has a written organizational chart	Yes	Yes	Yes
Facility has a full-time Hospital Administrator	No	No	Yes
Facility has a full-time Nursing Director who is a licensed R.N.	No	No	Yes
There are written job descriptions on record for all positions in the facility	Yes	Yes	Yes
There are employee files for all current facility staff (paid and volunteer)	Yes	Yes	Yes
Performance evaluations are completed and on record at least once a year for all staff	Yes	Yes	Yes
All dispensers are trained and certified in the Drug Dispensing course	Yes	Yes	Yes
Daily attendance is recorded	Yes	Yes	Yes
The OIC holds regular (at least monthly) full staff meetings	Yes	Yes	Yes
The facility runs 24 hours with professional medical staff covering all shifts	No	Yes	Yes
There are security guards at the facility 24 hours a day, 7 days a week	No	Yes	Yes
HR data is reported monthly using the MOHSW Hospital Census Staffing and Morbidity R	No	No	Yes
There is a hospital employee responsible for Human Resources for the facility	No	No	Yes
The Hospital Medical Director/ Hospital Administrator hold regular (at least weekly) senior	No	No	Yes
The Hospital Medical Director/ Hospital Administrator hold regular (at least monthly) full	No	No	Yes
Is the clinic open and staffed by a medical professional at least from 8am-4pm Monday to Friday	Yes	No	No
The facility has a balance sheet and yearly operational budget	No	No	Yes

### Pharmacy, Dispensary & Storeroom

Requirement	Clinic	Health Center	Hospital
Storeroom uses a functional air conditioner to maintain appropriate temperature for drug storage	No	Yes	Yes
All drugs are neatly aligned on shelves and labeled	Yes	Yes	Yes
Each drug in the storeroom has a BIN card	Yes	Yes	Yes
There is a label on the shelf identifying where each drug belongs	Yes	Yes	Yes
Each drug is in a labeled container	Yes	Yes	Yes
There is no expired product	Yes	Yes	Yes
Drugs are arranged in FEFO order (First Expire, First Out)	Yes	Yes	Yes
There is a locked cabinet or drawer in the pharmacy for storing controlled drugs	Yes	Yes	Yes
The facility correctly stores and disposes of expired drugs	Yes	Yes	Yes
An internal requisition ledger is available in the dispensary	No	Yes	Yes
There is a stock ledger in the store room	Yes	Yes	Yes
The internal requisition ledger tallies with the stock ledger	No	Yes	Yes
Drugs are tallied from charts to daily tally sheets	No	Yes	Yes
Weekly tally sheets are compiled	Yes	Yes	Yes
The facility submits scheduled requisitions for medications and supplies	Yes	Yes	Yes
Two interviewed patients understand how often, side effects and how to take their dispensed	Yes	Yes	Yes
The pharmacy/dispensary has stock cards	Yes	Yes	Yes
The pharmacy/dispensary has sufficient shelving space	Yes	Yes	Yes

**Communicable Disease Control & Infection Prevention**

<b>Requirement</b>	<b>Clinic</b>	<b>Health Center</b>	<b>Hospital</b>
There is clean, running water available for handwashing in each area	Yes	Yes	Yes
There are sterile gloves available in each area	Yes	Yes	Yes
The floor is clean, with no dirt in each area	Yes	Yes	Yes
There are clearly defined and marked sterile areas	No	No	Yes
The OR maintains a sterile environment	No	No	Yes
Surgical instruments are sterilized (boiled, in an autoclave or under UV light)	No	No	Yes
There is enough space between the beds (at least 2 feet)	No	Yes	Yes
There are clean bed sheets on all beds	No	Yes	Yes
There are intact (not ripped) mosquito nets over all beds	No	Yes	Yes
There are enough beds (1 person per bed and no patients sleeping on floor)	No	Yes	Yes
All bedridden inpatients are bathed at least daily	No	Yes	Yes
Medical staff wash hands with soap between patient contact	Yes	Yes	Yes
Staff dry hands after washing them with a clean dry towel or by air drying	No	No	Yes
All food preparation areas are clean, with no dirt on the floor	No	No	Yes
All food serving dishes and utensils are washed with soap	No	No	Yes
Food supplies are used on a first-in, first-out (FIFO) basis	No	No	Yes
Water, soap, and bowls are available and used to wash laundry	No	Yes	Yes
Hot water or chlorine is used to wash bed sheets	No	Yes	Yes
OR sheets are ironed or sterilized	No	No	Yes
There a designated person responsible for monitoring infection control	Yes	Yes	Yes
Disinfectants are used for cleaning equipment and floors	Yes	Yes	Yes
Staff correctly dispose of solid waste	Yes	Yes	Yes
Staff correctly dispose of sharps	Yes	Yes	Yes
Staff correctly dispose of infectious waste, including placentas	Yes	Yes	Yes
There are enough latrines or toilets for clients	Yes	Yes	Yes
The latrines or toilets are clean	Yes	Yes	Yes
The facility has a written Infection Control Manual or Policy	Yes	Yes	Yes

**Medical Records, Confidentiality & Referrals**

<b>Requirement</b>	<b>Clinic</b>	<b>Health Center</b>	<b>Hospital</b>
Inpatient medical charts show a nursing admission assessment, patient monitoring and com	No	Yes	Yes
The facility issues a notification of death form for each patient that dies in the facility	Yes	Yes	Yes
Each patient has one and only one medical record number for both inpatient and outpatient	Yes	Yes	Yes
The facility has a patient master file to retrieve patient medical record numbers	Yes	Yes	Yes
The medical records area is accessible 24 hrs/day, 7 days/week	No	Yes	Yes
The medical records area is accessible during all clinic hours	Yes	No	No
The medical records area is controlled to ensure patient confidentiality	Yes	Yes	Yes
Each medical record contains a National Patient Record (or other standardized form)	Yes	Yes	Yes
Each medical record contains an admission sheet	No	Yes	Yes
Each medical record contains progress notes	No	Yes	Yes
Each medical record contains lab test results	Yes	Yes	Yes
Each medical record contains radiology reports	No	Yes	Yes
Each medical record contains a Medication Administration Record	Yes	Yes	Yes
Each medical record contains a discharge sheet	No	Yes	Yes
Each medical record contains consent forms	No	Yes	Yes
Each medical record contains consultation summaries	No	Yes	Yes
Each medical record contains the facility to which patients are referred	Yes	Yes	Yes
Each medical record contains the facility from which patients are referred	No	Yes	Yes
A patient confidentiality policy is posted in the facility	Yes	Yes	Yes
A standardized referral form is filled out and sent with patient	Yes	Yes	Yes
The facility has a written list of other health facilities to which they may refer patients	Yes	Yes	Yes

Systems Requirements

**Infrastructure**

<b>Requirement</b>	<b>Clinic</b>	<b>Health Center</b>	<b>Hospital</b>
Each area has sufficient dedicated space	Yes	Yes	Yes
Each area has sufficient light	Yes	Yes	Yes
The facility has an operating theater	No	No	Yes
The OR is large enough to perform the required surgeries	No	No	Yes
There is a dedicated space for deliveries	Yes	Yes	Yes
There is an emergency care area in the facility	No	Yes	Yes
There a short stay area in this facility	No	Yes	Yes
There is a dedicated space for female inpatients	No	Yes	Yes
There is a dedicated space for male inpatients	No	Yes	Yes
The facility never runs out of water	Yes	Yes	Yes
There is a dedicated space for pediatric inpatients	No	No	Yes
There is a dedicated waiting/registration space	Yes	Yes	Yes
There is enough bench space for patients to wait	Yes	Yes	Yes
There are enough consultation rooms	Yes	Yes	Yes
All food supplies are stored on pallets or shelves (raised off the floor)	No	No	Yes
All food supplies are stored separately from non-food supplies	No	No	Yes
There is a 3-ft space between all food stacks and between walls and food stacks	No	No	Yes
The storeroom door closes fully	No	No	Yes
All windows/eaves are screened with mesh to prevent animal entry	No	No	Yes
Electricity is available in all clinical areas of the facility during all hours of operation	Yes	Yes	Yes
There is a backup source of electricity in case of generator malfunction or other power fault	No	Yes	Yes
Drinking water is available (from a reservoir/pump) during all facility hours	Yes	Yes	Yes
The facility has a sound structure	Yes	Yes	Yes



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### BASIC PACKAGE OF HEALTH SERVICES (BPHS)

#### BPHS REQUIRED HEALTH INTERVENTIONS AND SERVICES

Maternal & Newborn Care			
Antenatal Care			
Interventions and Services Provided	Clinic	Health Center	Hospital
<b>Routine Care</b>			
Diagnose Pregnancy	Yes	Yes	Yes
Screen for high risk, including short height	Yes	Yes	Yes
Monitor growth of fetus (height of fundus)	Yes	Yes	Yes
Monitor mother's weight gain	Yes	Yes	Yes
Give tetanus toxoid	Yes	Yes	Yes
Give prophylactic iron, folic acid & multivitamins	Yes	Yes	Yes
Give intermittent preventative treatment for falciparum malaria	Yes	Yes	Yes
Give Mebendazole for deworming	Yes	Yes	Yes
Screen for and manage pre-eclampsia or hypertension	Yes/Refer for delivery	Yes/Refer for delivery	Yes
Screen for and manage severe pre-eclampsia or hypertension	Refer immediately	Refer immediately	Yes
Screen for and treat anemia	Yes	Yes	Yes
Manage severe anemia (<7gm/dl) with symptoms or in last trimester	Refer	Refer	Yes
Screen (RPR) and manage syphilis and partner	Yes	Yes	Yes
VCT for HIV	Yes	Yes	Yes
Feel for malpresentation or twins	Refer	Refer	Yes
IEC/BCC on the importance of antenatal care	Yes	Yes	Yes
IEC/BCC on diet and rest during pregnancy and lactation	Yes	Yes	Yes
IEC/BCC on birth preparedness and danger signs; safe home delivery; family pl	Yes	Yes	Yes
Promote and provide ITNs for pregnant women	Yes	Yes	Yes
<b>Manage complications of pregnancy</b>			
Manage threatened or complete abortion	Yes	Yes	Yes
Manage incomplete abortion (Manual Vacuum Aspiration)	Yes	Yes	Yes
Manage complicated abortion	Refer	Refer	Yes
Manage ectopic pregnancy	Refer	Refer	Yes
Manage urinary tract infection	Yes	Yes	Yes
Manage fever/malaria (rapid diagnostic test)	Yes	Yes	Yes
Manage vaginal discharge (syndromic method) and partner	Yes	Yes	Yes
No fetal movements	Refer	Refer	Yes
Ruptured membranes, not in labor	Refer	Refer	Yes
Labor and Delivery Care			
Interventions and Services Provided	Clinic	Health Center	Hospital
Assess and monitor progress in labor/Recognize delay	Partograph/Refer	Partograph/Refer	Partograph/Manage
Conduct a clean delivery of the baby	Yes	Yes	Yes
Active management of third stage of labor (Oxytocin and controlled cord traction)	Yes	Yes	Yes
Episiotomy and repair of tears	Yes	Yes	Yes
Breech delivery	Yes	Yes	Yes
Transverse lie	Refer	Refer	Yes
Vacuum extraction	No	Yes	Yes
Induction of labor	No	No	Yes
Cesarean section	No	No	Yes
Ante partum hemorrhage	Resuscitate/Refer	Resuscitate/Refer	Yes
Treat shock	Yes	Yes	Yes
Give blood transfusion	No	No	Yes
Bimanual compression of uterus	Yes	Yes	Yes
Manual removal of retained placenta	Yes	Yes	Yes
Manage convulsions or unconsciousness: eclampsia	First Aid/Refer	First Aid/Refer	Yes
Manage convulsions or unconsciousness with fever: malaria/sepsis	First Aid/Refer	First Aid/Refer	Yes
PMTCT	Refer	Refer	Yes

**Postpartum Care**

Interventions and Services Provided	Clinic	Health Center	Hospital
<b>Immediate postpartum care</b>			
Monitor general conditions, vital signs, state of uterine contraction, vaginal bleed	Yes	Yes	Yes
<b>At end of the first week and during puerperium</b>			
Give postpartum vitamin A	Yes	Yes	Yes
Give prophylactic iron and folic acid	Yes	Yes	Yes
Detect and manage puerperal sepsis	First Aid/Refer	First Aid/Refer	Yes
Detect and manage anemia	Yes/Refer with symptoms	Yes/Refer with symptom	Yes
Detect and manage urinary tract infection	Yes	Yes	Yes
Manage nipple or breast pain	Yes	Yes	Yes
Manage constipation, hemorrhoids and other symptomatic problems	Yes	Yes	Yes
Counsel on birth spacing	Yes	Yes	Yes

**Newborn Care**

Interventions and Services Provided	Clinic	Health Center	Hospital
<b>Immediate care</b>			
Keep dry & warm, clear airway if necessary, cord care, put to breast	Yes	Yes	Yes
Resuscitate baby if not breathing well	Yes	Yes	Yes
Tetracycline eye ointment to prevent <i>ophthalmia neonatorum</i>	Yes	Yes	Yes
PMTCT- newborn management	No	No	Yes
<b>During the first month</b>			
Manage low birth weight baby (1500gms -2500gms)	Feeding difficulty, Refer	Yes	Yes
Manage very low birth weight baby (<1500gms or <32 weeks gestation)	Refer immediately	Refer immediately	Yes
Manage neonatal jaundice	Yes	Yes	Yes
Counsel and support mother on breastfeeding	Yes	Yes	Yes
Give newborn immunizations	Yes	Yes	Yes
Treat skin pustules or cord infection	Yes	Yes	Yes
Treat neonatal sepsis/severe skin or cord infection	First Aid/Refer	Yes	Yes
Neonatal tetanus	Refer	Refer	Yes

**Reproductive and Adolescent Health**

Interventions and Services Provided	Clinic	Health Center	Hospital
IEC/BCC on birth spacing and family planning	Yes	Yes	Yes
Counsel on informed choice	Yes	Yes	Yes
Distribute male & female condoms; explain their use	Yes	Yes	Yes
Distribute Oral Contraceptive Pills; explain their use	Yes	Yes	Yes
Administer DMPA; explain its use	Yes	Yes	Yes
Insert & remove IUD; explain its use	Yes	Yes	Yes
Insert & remove Norplant; explain its use	No	Yes	Yes
Permanent surgical methods	Refer	Refer	Yes
Syndromic management of STIs for women	Yes	Yes	Yes
Syndromic management of STIs for men	Yes	Yes	Yes
VCT for HIV	Refer	Yes	Yes
Infertility counseling	Yes	Yes	Yes

**Child Health**

**Expanded Program on Immunization (EPI)**

Interventions and Services Provided	Clinic	Health Center	Hospital
IEC/BCC	Yes	Yes	Yes
Storage of vaccines	Yes	Yes	Yes
Routine and outreach immunization	Yes	Yes	Yes
Supplemental immunization (and EPI plus)	Yes	Yes	Yes
Surveillance and case reporting of immunizable diseases	Yes	Yes	Yes
Reporting immunization activities	Yes	Yes	Yes

**Integrated Management of Childhood Illnesses (IMCI)**

<b>Interventions and Services Provided</b>	<b>Clinic</b>	<b>Health Center</b>	<b>Hospital</b>
IEC/BCC on home care for the sick child; danger signs, completing treatment	Yes	Yes	Yes
Management of severely ill child	First Aid/Refer	Yes	Yes
Emergency triage assessment and treatment	Yes/Refer	Yes	Yes
IEC/BCC on cough or cold home care and danger signs	Yes	Yes	Yes
Pneumonia	Yes	Yes	Yes
Severe pneumonia	First Aid/Refer	Yes	Yes
Ear infection	Yes	Yes	Yes
Diarrhea with no dehydration	Yes	Yes	Yes
Diarrhea with some dehydration	Yes	Yes	Yes
Diarrhea with severe dehydration	First Aid/Refer	Yes	Yes
Persistent diarrhea or dysentery	Yes	Yes	Yes
Measles	Yes	Yes	Yes
Complicated measles	First Aid/Refer	Yes	Yes
Case management of child with fever/malaria	Yes	Yes	Yes
Management of severe malnutrition	First Aid/Refer	First Aid/Refer	Yes

**Infant and Young Child Nutrition**

<b>Interventions and Services Provided</b>	<b>Clinic</b>	<b>Health Center</b>	<b>Hospital</b>
For pregnant women, Intermittent Preventative Treatment of malaria	Yes	Yes	Yes
Promotion of breast feeding and exclusive breast feeding for first 6 months	Yes	Yes	Yes
Promotion of appropriate complementary feeding	Yes	Yes	Yes
Growth monitoring and nutrition counseling	Yes	Yes	Yes
Vitamin supplementation to children 6-59 months	Yes	Yes	Yes
Iron supplementation to children 6-59 months	Yes	Yes	Yes
Deworming of children	Yes	Yes	Yes
Identification of malnutrition	Yes	Yes	Yes
Investigation and management of severe malnutrition	Refer	Refer	Yes

**Communicable Disease Control****HIV/AIDS and Sexually Transmitted Infections**

<b>Interventions and Services Provided</b>	<b>Clinic</b>	<b>Health Center</b>	<b>Hospital</b>
Awareness and sensitization activities promoting "ABC"	Yes	Yes	Yes
Promotion and distribution of condoms	Yes	Yes	Yes
Awareness and sensitization about VCT	Yes	Yes	Yes
VCT services	Yes	Yes	Yes
Supervision of ARV therapy, including home-based care	No	No	Yes
Treatment of opportunistic infections	No	Yes	Yes
Supervision of Cotrimoxazole and/or Isoniazid Preventative Therapies	No	Yes	Yes
Awareness and sensitization of pregnant mothers to VCT for PMTCT	Yes	Yes	Yes
VCT for PMTCT services	No	Yes	Yes
PMTCT services and follow up	No	No	Yes
Post-Exposure Prophylaxis (PEP)	No	No	Yes
Syndromic management of STIs without microscope	Yes	Yes	Yes
Syndromic management of STIs with microscope	Yes	Yes	Yes
RPR test for syphilis	Yes	Yes	Yes

**Tuberculosis**

<b>Interventions and Services Provided</b>	<b>Clinic</b>	<b>Health Center</b>	<b>Hospital</b>
IEC/BCC on spread of TB; recognition of symptoms; case management	Yes	Yes	Yes
BCG immunization of all newborns	Yes	Yes	Yes
Identification of suspect cases	Yes	Yes	Yes
Collection of sputums and microscopy for AFBs	Yes/if Diagnostic Center	Yes	Yes
Diagnosis of TB in sputum negative cases	Yes/if Diagnostic Center	Yes	Yes
Diagnosis of TB in children	Yes/if Diagnostic Center	Yes	Yes
Registration and assignment to treatment regimen	Yes/if Diagnostic Center	Yes	Yes
Supervision of intensive phase of DOTS	Yes/if Diagnostic Center	Yes	Yes
Supervision of continuation phase of DOTS	Yes/if Diagnostic Center	Yes	Yes
Sputum examination/treatment review at end of intensive & continuation phase	Yes/if Diagnostic Center	Yes	Yes
Management of complications and suspected drug-resistant cases	Refer	Refer	Yes/With TB Unit
Screening of household members	Yes	Yes	Yes

**Malaria**

<b>Interventions and Services Provided</b>	<b>Clinic</b>	<b>Health Center</b>	<b>Hospital</b>
<b>Case management of malaria</b>			
IEC/BCC on case recognition and management	Yes	Yes	Yes
Presumptive clinical diagnosis in children under five years	Yes	Yes	Yes
Laboratory confirmation in adults and children over five years	Yes	Yes	Yes
Give first line treatment (Artesunate & Amodiaquine)	Yes	Yes	Yes
Case management and treatment of pregnant women	Yes	Yes	Yes
Recognize treatment failure and give second line (Quinine)	Yes	Yes	Yes
Manage severe complicated malaria in under five years	First dose/Refer	Yes	Yes
Manage complicated malaria in over five years	First dose/Refer	Yes	Yes
<b>Prevention of malaria</b>			
IEC/BCC on preventing malaria transmission	Yes	Yes	Yes
Intermittent Preventive Treatment (IPT) for pregnant women	Yes	Yes	Yes
Promote and distribute ITNs for under five years	Yes	Yes	Yes
Promote and distribute ITNs for pregnant women	Yes	Yes	Yes

**Control and Management of Other Diseases with Epidemic Potential**

<b>Interventions and Services Provided</b>	<b>Clinic</b>	<b>Health Center</b>	<b>Hospital</b>
<b>Epidemic Control</b>			
Monthly reporting of Reportable Diseases	Yes	Yes	Yes
<b>Clinical management of infectious diseases</b>			
Typhoid	Refer	Yes	Yes
Meningitis	Refer	Refer	Yes
Jaundice and Yellow Fever	Refer	Refer	Yes
Acute Rheumatic Fever	Refer	Refer	Yes
Hemorrhagic Fever	Refer	Refer	Yes
Measles	Refer	Yes	Yes
Pertussis	Refer	Yes	Yes
Acute watery diarrhea and bloody diarrhea	Yes	Yes	Yes
Neonatal Tetanus	Refer	Refer	Yes
Acute Flaccid Paralysis	Refer	Refer	Yes

**Mental Health**

The Mental Health Policy and requirement is currently under revision by MOHSW

<b>Interventions and Services Provided</b>	<b>Clinic</b>	<b>Health Center</b>	<b>Hospital</b>
Danger signs of acute mental health illness; management; medication	Refer	Refer	Yes
Care and counseling for domestic and interpersonal violence	Yes/Refer to SW	Yes/Refer to SW	Yes/Refer to SW
Provide rape exam	Yes/Refer to SW	Yes/Refer to SW	Yes/Refer to SW
Care and counseling for anxiety or depressive state	Yes	Yes	Yes
Recognize, counsel and refer psychosomatic symptoms	Yes	Yes	Yes
Counsel and refer for substance abuse	Yes	Yes	Yes
Maintain register of persons on long-term medication for mental health	No	No	Yes
Supervise and supply long-term medications	Yes	Yes	Yes
Psychosocial and trauma counseling	Yes	Yes	Yes

**Emergency Care**

<b>Interventions and Services Provided</b>	<b>Clinic</b>	<b>Health Center</b>	<b>Hospital</b>
Manage shock	Yes	Yes	Yes
Maintain airways and ambu-bag breath as necessary	Yes	Yes	Yes
Tracheotomy	No	No	Yes
Anaphylaxis	Yes	Yes	Yes
Seizures/convulsions	Yes	Yes	Yes
Bites and rabies	First Aid/Refer	First Aid/Refer	Yes
Poisoning by mouth	First Aid/Refer	First Aid/Refer	Yes
Snake bite	First Aid/Refer	First Aid/Refer	Yes
Cardiac arrest	First Aid/Refer	First Aid/Refer	Yes
Head injury	First Aid/Refer	First Aid/Refer	Yes
Status asthmaticus	First Aid/Refer	Yes	Yes
Epistaxis	Yes	Yes	Yes
Foreign body in ear or nose	Refer	Yes	Yes
Eye injury	First Aid/Refer	First Aid/Refer	Yes
Eye infection	Yes	Yes	Yes
Burns	First Aid/Refer	Yes	Yes
Sexual assault	Yes	Yes	Yes
Wound and soft tissue injuries	Yes	Yes	Yes
Pneumothorax and hemothorax	Refer	Refer	Yes
Abdominal trauma or acute abdomen	First Aid/Refer	First Aid/Refer	Yes
Close fractures and dislocations of upper limb	First Aid/Refer	Yes	Yes
Closed fractures of lower limb	First Aid/Refer	First Aid/Refer	Yes
Open fractures	First Aid/Refer	First Aid/Refer	Yes
Spinal injuries or pelvic fractures	First Aid/Refer	First Aid/Refer	Yes
Multiple injuries	First Aid/Refer	First Aid/Refer	Yes

Diagnostic Services			
Interventions and Services Provided	Clinic	Health Center	Hospital
<b>Hematology</b>			
Hemoglobin	No	Yes	Yes
Hematocrit	No	No	Yes
Full blood count	No	No	Yes
Blood typing and cross matching	No	No	Yes
Bleeding and clotting times	No	No	Yes
Erythrocyte Sedimentation Rate (ESR)	No	No	Yes
<b>Microscopy</b>			
Malaria Parasites	Yes	Yes	Yes
Urine microscopy	No	Yes	Yes
CSF cell count	No	No	Yes
Gram stain for discharges, pus	No	Yes	Yes
Sputum for acid fast bacilli (Ziehl Nielsen Stain)	No	No	Yes
<b>Clinical Chemistry</b>			
Proteinuria & Glucosuria	Yes	Yes	Yes
RDT for malaria	Yes	Yes	Yes
Rapid pregnancy test	No	Yes	Yes
Serum bilirubin	No	No	Yes
Blood glucose	No	No	Yes
RPR test for syphilis	Yes	Yes	Yes
HIV rapid test	No	Yes	Yes
Hepatitis B & C rapid tests	No	No	Yes
<b>Imaging Services</b>			
Chest X-Ray	No	No	Yes
Abdomen X-Ray	No	No	Yes
Skeleton X-Ray	No	No	Yes
Simple portable ultrasound	No	No	Yes
Simple portable electrocardiograph	No	No	Yes

Staffing



Ministry of Health & Social Welfare

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**BASIC PACKAGE OF HEALTH SERVICES (BPHS)**

**BPHS MINIMUM STAFFING REQUIREMENTS**

<b>Staff Member</b>	<b>Clinic</b>	<b>Health Center</b>	<b>Hospital &lt;100beds</b>	<b>Hospital 100 or + beds</b>
Officer in Charge	1(PA, RN, NM)	1(PA, RN, NM)	1(MD)	1(MD)
Hospital Administrator			1	1
Nursing Director			1	1
Physician Assistant		2	3	7
Registered Nurse		1	10	20
Nurse Aide	1	1	12	24
Certified Midwife	1	4	6	10
Nurse Midwife			1	2
Pharmacist				1
Dispenser	1	1	4	4
Anesthetist			1	5
OR Technician			6	12
Lab Technician		1	2	4
Lab Aide			2	2
Environmental Technician		1	1	1
Social Worker		1	1	1
Xray Technician			1	1
Physiotherapist			1	1
Recorder/HIS	1	1	6	6
Security	1	1	12	12
Housekeeping			12	17
Laundry			2	5
Dietary			3	6
Maintenance			4	6
<b>Total</b>	<b>6</b>	<b>15</b>	<b>93</b>	<b>150</b>



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## BASIC PACKAGE OF HEALTH SERVICES (BPHS)

### BPHS REQUIRED ESSENTIAL DRUGS

#### Anesthetics

Drug	Clinic	Health Center	Hospital
<b>General</b>			
Halothane	No	No	Yes
Ketamine injection 50mg/ml	No	No	Yes
<b>Local</b>			
Lidocaine injection (plain) 2%	Yes	Yes	Yes
Lidocaine injection (plain) 1%	Yes	Yes	Yes
Lidocaine injection (with epinephrine) 2%	No	No	Yes
Lidocaine injection, spinal (with glucose) 5% & 7.5%	No	No	Yes
<b>Preoperative and sedation</b>			
Atropine 1mg/ml	No	No	Yes
Diazepam 5mg/ml	Yes	Yes	Yes
Morphine Sulphate 10mg/ml	No	No	Yes

#### Analgesics, Antipyretics, Non-Steroidal Anti Inflammatories

Drug	Clinic	Health Center	Hospital
Indometacin injection 25ml	No	No	Yes
Paracetamol 125mg/ml	Yes	Yes	Yes
Paracetamol 100mg/ml	Yes	Yes	Yes
Paracetamol 500mg/ml	Yes	Yes	Yes
Morphine Sulphate or Hydrochloride 10mg/ml	No	No	Yes

#### Antiallergics and Medicines used in Anaphylaxis

Drug	Clinic	Health Center	Hospital
Chlorpheniramine 4mg	No	Yes	Yes
Dexamethasone 0.5mg	No	No	Yes
Dexamethasone 4mg/ml	No	No	Yes
Epinephrine 1mg/ml	No	No	Yes
Hydrocortisone 100mg	No	No	Yes
Prednisolone 25mg/ml	No	No	Yes
Promethazine 25mg/ml	Yes	Yes	Yes
Promethazine 1mg/ml	Yes	Yes	Yes

#### Antidotes

Drug	Clinic	Health Center	Hospital
Naloxone 400 mcg/1ml	No	No	Yes

#### Anticonvulsants and Antiepileptics

Drug	Clinic	Health Center	Hospital
Diazepam 5mg/ml	Yes	Yes	Yes
Magnesium Sulphate 50%	No	Yes	Yes
Phenobarbital 100mg/ml	No	No	Yes
Phenytoin 100mg	No	Yes	Yes

Drugs

**Anti-Infectives**

<b>Drug</b>	<b>Clinic</b>	<b>Health Center</b>	<b>Hospital</b>
<b>Intestinal Anthelmintics</b>			
Mebendazole 50mg	Yes	Yes	Yes
<b>Antibacterials</b>			
Amoxicillin 125mg/ml	Yes	Yes	Yes
Amoxicillin 250mg	Yes	Yes	Yes
Amoxicillin 500mg	Yes	Yes	Yes
Ampicillin 1g	Yes	Yes	Yes
Benzathine Benzyl Penicillin 2.4mu	Yes	Yes	Yes
Benzyl Penicillin 5mu	Yes	Yes	Yes
Chloramphenicol 1g	Yes	Yes	Yes
Ciprofloxacin 500mg	Yes	Yes	Yes
Co-trimoxazole 200 +40mg/5ml	Yes	Yes	Yes
Co-trimoxazole 400+80mg	Yes	Yes	Yes
Co-trimoxazole 100 +20mg	Yes	Yes	Yes
Doxycycline 100mg	Yes	Yes	Yes
Erythromycin 500mg	Yes	Yes	Yes
Gentamycin 400mg	Yes	Yes	Yes
Metronidazole 200/250mg	Yes	Yes	Yes
<b>Antifungals</b>			
Clotrimazole 100mg	Yes	Yes	Yes
<b>Antiretrovirals- subject to current National Aids Control Program Protocols</b>			
Abacavir oral solution 20mg/ml, 240 ml	No	No	Yes
Didanosine 150mg	No	No	Yes
Didanosine 50mg	No	No	Yes
Lamivudine + stavudine +nevirapine 150+30+200	No	No	Yes
Lamivudine + stavudine +nevirapine 30+150+200	No	No	Yes
Lamivudine + stavudine +nevirapine 40+150+200	No	No	Yes
Lamivudine + stavudine 150+30	No	No	Yes
Lamivudine + stavudine 30+150	No	No	Yes
Lamivudine oral solution, 10mg/ml, 100ml	No	No	Yes
Lopinavir + Ritonavir 133.3+33.4	No	No	Yes
Lopinavir + Ritonavir oral solution 80+20	No	No	Yes
Stavudine Cap 30mg	No	No	Yes
Zidovudine + Stavudine +Abacavir 300 +150 +300	No	No	Yes
Zidovudine + Stavudine +Nevirapine 300 +150 +300	No	No	Yes
Zidovudine 300mg	No	No	Yes
Zidovudine Cap 100mg	No	No	Yes
Zidovudine oral solution, 10mg/ml, 100ml	No	No	Yes
Effavirenz 200mg	No	No	Yes
Effavirenz 600mg	No	No	Yes
Nevirapine 200mg	No	No	Yes
Nevirapine oral, 10mg/ml	No	No	Yes
Nevirapine syrup, 10mg/ml	No	No	Yes
Indinavir 400mg	No	No	Yes
Nelfinavir 250mg	No	No	Yes
Nelfinavir powder 250mg	No	No	Yes

Drugs

<b>Antimalarials</b>			
Amodiaquine 153mg _ Artesunate 50mg	Yes	Yes	Yes
Artemether 20mg/ml	Yes	Yes	Yes
Artemether 80mg/ml	Yes	Yes	Yes
Quinine Sulphate 200mg	Yes	Yes	Yes
Quinine Dihydrochloride 300mg/ml	Yes	Yes	Yes
Quinine Sulphate 300mg	No	Yes	Yes
Sulphadoxine/pyrimethamine 500 +25mg	Yes	Yes	Yes
Doxycycline 100mg	No	Yes	Yes

**Medicines Affecting the Blood**

<b>Drug</b>	<b>Clinic</b>	<b>Health Center</b>	<b>Hospital</b>
<b>Antianaemia Medicines</b>			
Ferrous salt 200mg + Folic acid 0.25mg	Yes	Yes	Yes
Ferrous sulphate 200mg coated (65mg iron)	Yes	Yes	Yes
Ferrous Fumarate 20mg/ml	Yes	Yes	Yes
Folic acid 5mg	Yes	Yes	Yes

<b>Medicines Affecting Coagulation</b>			
Heparin 5000u/ml	No	No	Yes
Phytomenadione 1mg/ml	No	No	Yes
Warfarin 3mg	No	No	Yes

**Plasma Substitutes**

<b>Drug</b>	<b>Clinic</b>	<b>Health Center</b>	<b>Hospital</b>
Dextran	No	No	Yes
Haemacel 500ml	No	No	Yes

**Cardiovascular Medicines**

<b>Drug</b>	<b>Clinic</b>	<b>Health Center</b>	<b>Hospital</b>
Hydralazine 20mg	No	No	Yes
Propranolol 40mg	No	No	Yes

**Dermatological Medicines**

<b>Drug</b>	<b>Clinic</b>	<b>Health Center</b>	<b>Hospital</b>
Gentian Violet Powder	Yes	Yes	Yes

**Disinfectants and Antispetics**

<b>Drug</b>	<b>Clinic</b>	<b>Health Center</b>	<b>Hospital</b>
Alcohol disinfectant, isopropanol 70% + detergent	Yes	Yes	Yes
Chlorhexidine +Cetrimide 1.5% +15%	Yes	Yes	Yes
Chlorhexidine gluconate 5%	Yes	Yes	Yes
Povidone Iodine 10%	Yes	Yes	Yes

**Diuretics**

<b>Drug</b>	<b>Clinic</b>	<b>Health Center</b>	<b>Hospital</b>
Furosemide 10mg/ml	No	No	Yes

**Gastrointestinal Medicines**

<b>Drug</b>	<b>Clinic</b>	<b>Health Center</b>	<b>Hospital</b>
Magnesium trisilicate 500mg	Yes	Yes	Yes
Promethazine 25mg/ml	Yes	Yes	Yes
Promethazine 25mg/ml, 2 ml	Yes	Yes	Yes
Anti-hemorrhoidal ointment	No	No	Yes
Bisacodyl 5mg	No	Yes	Yes
Oral Rehydration Salt	Yes	Yes	Yes
Zinc Sulphate 20mg	Yes	Yes	Yes

Drugs

**Contraceptives**

Drug	Clinic	Health Center	Hospital
Progesterone only pill	Yes	Yes	Yes
Combination pill	Yes	Yes	Yes
Medroxyprogesterone acetate 150mg depot	Yes	Yes	Yes
Intra-uterine device	Yes	Yes	Yes
Femal condom	Yes	Yes	Yes
Male condom	Yes	Yes	Yes

**Immunologicals**

Drug	Clinic	Health Center	Hospital
Tetanus Anti-toxin, Human 1,500u	No	No	Yes
BCG vaccine	Yes	Yes	Yes
DPT vaccine	Yes	Yes	Yes
Measles vaccine	Yes	Yes	Yes
Polio vaccine	Yes	Yes	Yes
Tetanus toxoid	Yes	Yes	Yes
Yellow Fever vaccine	Yes	Yes	Yes

**Ophthalmological Preparations**

Drug	Clinic	Health Center	Hospital
Tetracycline 1% eye	Yes	Yes	Yes

**Oxytocics and Antioxytocics**

Drug	Clinic	Health Center	Hospital
Ergometrine 0.5mg/ml	Yes	Yes	Yes
Oxytocin 10 I.u./ml	Yes	Yes	Yes
Salbutamol 2mg	No	Yes	Yes
Salbutamol 0.5mg/ml	No	No	Yes

**Psychotherapeutic Medicines**

Drug	Clinic	Health Center	Hospital
Chlorpromazine 25mg	No	No	Yes
Chlorpromazine 100mg	No	No	Yes
Chlorpromazine 5mg/ml	No	No	Yes
Chlorpromazine 25mg/ml	No	No	Yes
Amitriptyline 25mg	No	No	Yes
Imipramine 25mg	No	No	Yes

**Solutions Correcting Water, Electrolyte and Acid-Based Disturbances**

Drug	Clinic	Health Center	Hospital
Dextrose 50%	Yes	Yes	Yes
Dextrose 5%	Yes	Yes	Yes
Normal saline 0.9% NaCl 500ml	Yes	Yes	Yes
Ringer's Lactate 500ml	Yes	Yes	Yes
Half strength Ringer's Lactate 500ml	Yes	Yes	Yes
Water for injection	Yes	Yes	Yes
Lubricating jelly	Yes	Yes	Yes

**Vitamins and Minerals**

Drug	Clinic	Health Center	Hospital
Calcium gluconate 10mg/ml, 10ml	No	Yes	Yes
Multivitamin	Yes	Yes	Yes
Retinol (Vit A) 200,000 IU	Yes	Yes	Yes
Retinol (Vit A) 500,000 I.U	Yes	Yes	Yes

Equipment



Ministry of Health & Social Welfare  
 Republic of Liberia

**BASIC PACKAGE OF HEALTH SERVICES (BPHS)**

**BPHS REQUIRED ESSENTIAL EQUIPMENT & SUPPLIES**

<b>Non-Medical</b>			
<b>Equipment</b>	<b>Clinic</b>	<b>Health Center</b>	<b>Hospital</b>
<b>Administration</b>			
Office furniture	Yes	Yes	Yes
Office equipment	Yes	Yes	Yes
<b>Electricity</b>			
Emergency lights	No	Yes	Yes
<b>Water Supply</b>			
Water source for drinking water	Yes	Yes	Yes
Storage tank	Yes	Yes	Yes
Water purification chemicals or filter	Yes	Yes	Yes
Hand-washing sinks/taps/bowls on stands in all areas	Yes	Yes	Yes
<b>Waste Disposal</b>			
Incinerator or burial pit	Yes	Yes	Yes
Septic tanks	No	Yes	Yes
Drainage system	No	Yes	Yes
Sanitation facilities for patients	Yes	Yes	Yes
Rubbish bins in all rooms	Yes	Yes	Yes
Sharps containers in all treatment areas	Yes	Yes	Yes
Buckets for contaminated waste in all treatment areas	Yes	Yes	Yes
Protective boots and utility gloves	Yes	Yes	Yes
<b>Safety</b>			
Fire extinguisher	Yes	Yes	Yes
<b>Vehicle</b>			
Vehicle 4--wheel drive	No	No	Yes
Ambulance 4-wheel drive	No	Yes	Yes
<b>Medical Stores</b>			
Refrigerator	Yes	Yes	Yes
Cool boxes and vaccine carriers	Yes	Yes	Yes
Shelves and stock cards	Yes	Yes	Yes
Lockable medicine cupboards in treatment areas	No	Yes	Yes
<b>Kitchen</b>			
Cooking stove	No	Yes	Yes
Cooking pots and utensils	No	Yes	Yes
Plates, cups & cutlery	No	Yes	Yes
Refrigerator	No	No	Yes
Washing and drying area facilities	No	Yes	Yes
Shelves and storage	No	Yes	Yes

## Equipment

Laundry			
Washing and rinsing equipment/bowls	No	Yes	Yes
Detergent/soap	No	Yes	Yes
Water heater	No	Yes	Yes
Iron	No	Yes	Yes
Housekeeping			
Brooms, brushes and mops	Yes	Yes	Yes
Buckets	Yes	Yes	Yes
Soap and disinfectant	Yes	Yes	Yes
Medical			
Equipment	Clinic	Health Center	Hospital
All Outpatient Rooms			
Desk and chairs	Yes	Yes	Yes
Examination table	Yes	Yes	Yes
Light source	Yes	Yes	Yes
Hand washing facilities	Yes	Yes	Yes
Receptacle for soiled pads, dressings, etc	Yes	Yes	Yes
Container for sharps disposal	Yes	Yes	Yes
Wall clock with second hand	Yes	Yes	Yes
Torch with extra batteries	Yes	Yes	Yes
Instrument sterilizer	Yes	Yes	Yes
Jar for forceps	Yes	Yes	Yes
Women's Reproductive Health Room			
Examination table	Yes	Yes	Yes
BP machine and stethoscope	Yes	Yes	Yes
Thermometer	Yes	Yes	Yes
Fetal stethoscope	Yes	Yes	Yes
Weighing scale	Yes	Yes	Yes
Height measure	Yes	Yes	Yes
Tape measure	Yes	Yes	Yes
Speculum and vaginal examination kit	Yes	Yes	Yes
Contraceptive supplies	Yes	Yes	Yes
Syringes and needles	Yes	Yes	Yes
MVA syringe and canulas	Yes	Yes	Yes
IUD insertion set	Yes	Yes	Yes
Examination gloves	Yes	Yes	Yes
IEC/BCC flip charts, posters, models	Yes	Yes	Yes
Register	Yes	Yes	Yes
Home-based Mother's cards	Yes	Yes	Yes
Immunization cards	Yes	Yes	Yes
Family Planning cards	Yes	Yes	Yes
Child Health Area			
Baby Scales	Yes	Yes	Yes
Hanging scales	Yes	Yes	Yes
Height measure/Measuring board	No	Yes	Yes
Register	Yes	Yes	Yes
Road to Health cards	Yes	Yes	Yes

## Equipment

Expanded Program on Immunization Area			
Refrigerator	Yes	Yes	Yes
Temperature monitoring charts	Yes	Yes	Yes
Cold Box	Yes	Yes	Yes
Syringes, needles and swabs	Yes	Yes	Yes
Delivery Room			
Delivery bed and bed linen	Yes	Yes	Yes
Curtains if more than one bed	No	Yes	Yes
Work surface near bed for newborn resuscitation	Yes	Yes	Yes
Instrument trolley	Yes	Yes	Yes
Tray with routine & emergency drugs, syringes and needles	Yes	Yes	Yes
BP machine and stethoscope	Yes	Yes	Yes
Thermometer	Yes	Yes	Yes
Fetal stethoscope	Yes	Yes	Yes
Urinary catheter and collection bag	Yes	Yes	Yes
Partograph charts	Yes	Yes	Yes
Latex gloves and protective clothing	Yes	Yes	Yes
Clean delivery kits and cord ties	Yes	Yes	Yes
Towel and blankets for newborn	Yes	Yes	Yes
Mucus extractor	Yes	Yes	Yes
Self inflating bag and mask - adult and neonatal size	Yes	Yes	Yes
Oral airways, various sizes	Yes	Yes	Yes
Baby scales	Yes	Yes	Yes
Vacuum extractor set	No	Yes	Yes
Suturing set	Yes	Yes	Yes
IV giving sets, canulas, infusion bottles	Yes	Yes	Yes
Inpatient Wards			
Beds, washable mattresses and linen	Yes	Yes	Yes
Patient trolley on wheels	Yes	Yes	Yes
Dressing trolley/Medicine trolley	Yes	Yes	Yes
Urinals and bedpans	Yes	Yes	Yes
IV stands	Yes	Yes	Yes
Basic examination equipment	Yes	Yes	Yes
Medicine storage cabinet	No	Yes	Yes
Treatment Room			
Examination table	Yes	Yes	Yes
Stool, adjustable height	Yes	Yes	Yes
Instrument/dressing trolley	Yes	Yes	Yes
Instrument tray	Yes	Yes	Yes
Wound dressing set	Yes	Yes	Yes
Suturing set	Yes	Yes	Yes
Sterile gloves	Yes	Yes	Yes
Syringes and needles	Yes	Yes	Yes
Dressings	Yes	Yes	Yes
IV stand	Yes	Yes	Yes
Ambu resuscitation set with adult and child masks	Yes	Yes	Yes
Oral airways, various sizes	Yes	Yes	Yes
Splints and slings	Yes	Yes	Yes
Plaster bandages for casts	No	No	Yes

## Equipment

<b>Operating Theater</b>			
Hand washing facilities	No	No	Yes
Universal operating table	No	No	Yes
Mobile operating light	No	No	Yes
Stool, adjustable height	No	No	Yes
Patient trolley on wheels	No	No	Yes
IV stand	No	No	Yes
Instrument trolley	No	No	Yes
Instrument tray	No	No	Yes
Syringes and needles	No	No	Yes
Dressings	No	No	Yes
IV giving sets, canulas, infusion bottles	No	No	Yes
Portable suction machine	No	No	Yes
Anesthetic trolley/machine	No	No	Yes
Sphygmomanometer and stethoscope	No	No	Yes
Ambu resuscitation set with adult and child masks	No	No	Yes
Oral airways, various sizes	No	No	Yes
Laryngoscope set	No	No	Yes
Operating drapes	No	No	Yes
Protective hats, aprons and gowns	No	No	Yes
Sterile gloves	No	No	Yes
Caesarean/hysterectomy set	No	No	Yes
Laparotomy set	No	No	Yes
Tubal ligation set	No	No	Yes
Dilatation and cutterage set	No	No	Yes
Tracheotomy set	No	No	Yes
Chest drain tubes and under water seal bottles	No	No	Yes
Sterilizer	No	No	Yes
Instrument cupboard	No	No	Yes
<b>Laboratory</b>			
Microscope and lens oil	No	Yes	Yes
Hand centrifuge	No	Yes	Yes
Electrical centrifuge	No	No	Yes
Hemoglobinometer	No	Yes	Yes
Hematocrit centrifuge	No	No	Yes
White cell differential counter	No	No	Yes
Timer	Yes	Yes	Yes
Laboratory scale and weights	Yes	Yes	Yes
Slide rack	Yes	Yes	Yes
Stain jars	Yes	Yes	Yes
Pipettes and stand	Yes	Yes	Yes
Spirit lamp	Yes	Yes	Yes
Measuring jars, beakers, test tubes	Yes	Yes	Yes
Microscope slides and cover slips	Yes	Yes	Yes
Specimen collection cups, tubes and capillary tubes	Yes	Yes	Yes
Reagents, stains and test kits as appropriate	Yes	Yes	Yes

## Equipment

### Imaging Services

X-Ray machine (fixed or portable)	No	No	Yes
X-Ray developing machine and darkroom equipment	No	No	Yes
X-ray protective materials	No	No	Yes
Wall viewer	No	No	Yes
Voltage stabilizer for X-Ray machine	No	No	Yes
Ultrasound machine, small portable	No	No	Yes
EKG machine, small portable	No	No	Yes