

Investor & Strategy Guides

Prepared by Prishita Vora – Healthcare Operations Consultant

Medical Centre Equipment List by Facility Level (Kenya)

Essential Equipment Requirements for Healthcare Facilities

Purpose

Healthcare facilities in Kenya are licensed according to defined levels of care, ranging from Level 2 outpatient clinics to Level 6 national referral hospitals. Each facility level requires specific equipment to safely deliver the services permitted under its scope of practice.

This guide outlines common equipment requirements across different healthcare facility levels to support healthcare investors, clinic owners, and hospital managers when planning equipment procurement and facility development.

Level 2 – Basic Outpatient Clinic Equipment

Level 2 facilities primarily provide general outpatient consultation and basic treatment services.

Consultation Room Equipment

- Examination couch or patient examination bed
- Blood pressure monitor
- Stethoscope
- Thermometer
- Pulse oximeter
- Otoscope and ophthalmoscope
- Weighing scale (adult and pediatric)
- Height measuring stadiometer

Basic Diagnostic Tools

- Glucometer
- Urinalysis strips
- Rapid diagnostic test kits
- Basic laboratory sample collection supplies

Treatment Room Equipment

- Dressing trolley
- Minor procedure tray
- Sterilization equipment (autoclave or sterilizer)
- Nebulizer machine
- Oxygen cylinder with regulator
- Emergency resuscitation kit

Infection Prevention Equipment

- Handwashing stations
- Sharps disposal containers
- Medical waste bins (color coded)
- Personal protective equipment

Key Planning Considerations

When selecting equipment for healthcare facilities, organizations should consider:

- Facility level and licensing requirements
- Services offered by the facility
- Patient volume and service demand
- Equipment maintenance and servicing needs
- Staff training and equipment competency

Proper equipment planning ensures healthcare facilities operate safely, efficiently, and in compliance with regulatory expectations.

Professional Disclaimer

The information contained in this guide is intended for general advisory purposes and should not replace official regulatory guidance issued by the Ministry of Health or relevant regulatory authorities.

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Level 3 – Medical Centre Equipment

Level 3 facilities may provide limited inpatient care, maternity services, and basic laboratory diagnostics.

Expanded Diagnostic Equipment

- Laboratory microscope
- Centrifuge
- Hemoglobin analyzer
- Urine analyzer
- Refrigerator for laboratory reagents

Maternity Equipment (Where Applicable)

- Delivery bed
- Fetal Doppler monitor
- Infant weighing scale
- Neonatal resuscitation equipment
- Baby warmer

Patient Monitoring Equipment

- Multiparameter patient monitor
- Oxygen concentrator
- Suction machine
- Infusion pumps

Minor Procedure Equipment

- Surgical instrument sets
- Minor surgical lighting
- Procedure tables

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Level 4 – Primary Hospital Equipment

Level 4 facilities provide inpatient services, surgery, emergency care, and expanded diagnostic services.

Surgical Theatre Equipment

- Operating table
- Surgical lighting systems
- Anesthesia machine
- Surgical instrument sets
- Patient monitoring systems
- Electrosurgical units

Diagnostic Imaging Equipment

- Ultrasound machine
- Digital X-ray machine
- Radiology viewing systems

Advanced Laboratory Equipment

- Automated hematology analyzer
- Biochemistry analyzer
- Blood storage refrigerator
- Laboratory incubators

Emergency Care Equipment

- Defibrillator
- Advanced resuscitation equipment
- Emergency trolleys
- Ventilators (basic)

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Level 5 – Secondary Referral Hospital Equipment

Level 5 hospitals handle complex cases and referrals from lower-level facilities.

Advanced Diagnostic Equipment

- CT scanner
- Advanced ultrasound systems
- Digital radiography systems

Critical Care Equipment

- ICU patient monitors
- Mechanical ventilators
- Infusion pump systems
- Syringe pumps

Specialized Surgical Equipment

- Advanced anesthesia machines
- Laparoscopic surgical systems
- Endoscopy equipment

Specialized Laboratory Systems

- Advanced laboratory analyzers
- Blood bank equipment
- Microbiology laboratory systems

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Level 6 – National Referral & Teaching Hospital Equipment

Level 6 facilities represent the highest level of healthcare services, providing specialized treatment, research, and training.

Super-Specialty Diagnostic Equipment

- MRI scanners
- PET scanners
- Advanced CT scanners
- Nuclear medicine equipment

Advanced Surgical Technology

- Robotic surgery systems
- Advanced laparoscopic systems
- Hybrid operating theatres

Specialized Treatment Equipment

- Radiotherapy machines
- Dialysis machines
- Organ transplant surgical equipment

Teaching & Research Infrastructure

- Simulation laboratories
- Medical research laboratories
- Advanced diagnostic laboratories

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