Engaging community health workers, technology, and youth in the COVID-19 response with concurrent critical care capacity building: A protocol for an integrated community and health system intervention to reduce mortality related to COVID-19 infection in Western Kenya.

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Annex 2: Tool 2: Shortened County Service Availability and Readiness Assessment Tool (www.who.int)

Name Sub-County ……..…
Name of HealthFacility ……
Type of facility (1. Referral Hospital, 2 District Hospital, 3 Health Canter, 4 Dispensary)
Ownership (1. Public, 2 Mission, 3 Private)
……:
Name of interviewer ----------
Date of interview ……----------
Supervisor ----------

1. **STAFFING**

How many medical personnel are available in the health facility?

Cadre	Male	Female
General Medical Doctors		
Physicians		
Paediatricians		
Obstetrics and Gynaecologists		
Mental health trained		
Clinical officers		
Anaesthetist		
Graduate Nurses		
Registered nurses		
Enrolled nurses		
Midwives		
Lab technologists		
Pharmacists		
Radiologist. Radiographer		
Record Officers		
Record clerks		

2. INFRASTRUCTURE

2.1 Communication

sment Item	**nse**
bility of a functional telephone 1= Yes 2= No	
Access to internet, e-mail access 1= Yes 2= No	
Functional Computer 1= Yes 2= No	
Functional short wave radio 1= Yes 2= No	

A functional ambulance or emergency transport1= Yes at camp 2=Yesat another facility 3=No	
Does the ambulance have fuel today 1= Yes 2= No	

2.2 **Utilities**

Is electricity available for services 1= Yes available and reliable, 2=Available but unreliable 3=Not available	
Is there a reliable back up 1= by a generator, 2= by solar 3=No backup available	
During the last 7 days have you had electricity uninterrupted? 1= No interruption, 2=Interruption for less than 2 hours, 3= Interruption for 2 hours or more	
What is the most commonly used water source? 1= Piped water 2=Protected tube well 3=Water Tanker Truck 4=Water from other protected sources, specify …….	

2.3 **Environment for service delivery**

Do rooms for service delivery provide privacy? 1=Yes 2= No privacy	
Are toilets available for service users? 1=Yes flush toilets 2=Yes pit latrines with slabs 3=Yes Pit latrines without slabs 4= No toilet facilities at the facility	
Is there sterilization equipment? 1=Yes autoclave 2=Dry heat sterilizer, 3=Boiler or steam sterilizer4=No sterilization equipment exists	
What facilities exist for Sharps and other Medical waste management? 1=Two Chamber industrial incinerator, 2=One chamber brick incinerator, 3=Final disposal in a protected pit, 4=Medical waste removal from site 5=Dumping without burning in protected pit 6=Dumping without burning in unprotected pit or flat surface 7=Others, specify	
How are masks disposed of? (open ended response)	

2.4 **Infection control**

Clean running water for hand washing 1=present, observed 2= Not available	
Soap for hand washing available 1=Yes, 2=No	
Hand sanitizer 1=Yes, 2=No	
Water receptor with lid 1=Yes, 2=No	
Disposable gloves 1=Yes, 2=No	
Face masks 1=Yes, 2=No	
Protective goggles 1=Yes, 2=No	
Protective garments 1=Yes, 2=No	
Waste receptacles with lid 1=Yes, 2=No	
Disinfectants 1=Yes, 2=No	
Disposable syringes and needles 1=Yes, 2=No	
Auto-disabling syringes 1=Yes, 2=No	
Are infection control guidelines available1= Yes, observed, 2.=Absent	
How clean are the surfaces? (clean, not clean) How often are they cleaned? (open ended response)	

2.5 **Availability of services**

2.5.1 Reproductive, maternal and newborn services

Are family planning services provided? 1=Yes, 2=No	
Are National Family planning guidelines available? 1=Yes, 2=No	
Were Any staff trained in the last 2 years? 1=Yes, 2=No	
Does the facility offer Antenatal services? 1=Yes, 2=No	

National antenatal care guidelines available 1=Yes, 2=No	
Any staff trained over the last 2 years? 1=Yes, 2=No	
Are Immunization services provided ? 1=Yes, 2=No	
Are Vitamin A supplements provided for under 5s ? 1=Yes, 2=No	
Is Growth monitoring provided for under 5s? 1=Yes, 2=No	
Adolescent health services? 1=Yes, 2=No	
Availability of national immunization guidelines 1=Yes 2=No	

2.5.2Diagnosis and treatment of illnesses

Are staff trained prevention, diagnosis, and management of COVID-19 1=Yes, 2=No	
Are there staff trained on integrated disease surveillance and response (IDSR) 1=Yes, 2=No	
Is IDSR system in place and functioning 1=Yes, 2=No	
Are there National IMCI Guidelines? 1=Yes, 2=No	
Was there any Training of any staff on IMCI over the last 2 years? 1=Yes, 2=No	
Is there diagnosis and treatment of STI diseases? 1=Yes, 2=No	
Is there TB diagnosis and treatment services? 1=Yes, 2=No	
Availability of national guidelines? 1=Yes, 2=No	
Was there Training of staff on TB in the last 2 years? 1=Yes, 2=No	
Is there diagnosis and management of diabetes? 1=Yes, 2=No	
Is there diagnosis and treatment of hypertension? 1=Yes, 2=No	
Is there diagnosis and treatment of chronic respiratory diseases? 1=Yes, 2=No	
Is there diagnosis and management of cervical cancer? 1=Yes, 2=No	
Is there Availability of national guidelines for each of the NCDs 1=Yes, 2=No	
Was there Training of staff on NCDs in the last 2 years? 1=Yes, 2=No	
Is there diagnosis and treatment of mental disorders? 1=Yes, 2=No	
In the last month did clinics receive referrals for MH disorders? 1=Yes, 2=No	
In the last month did clinics refer patients with MH disorders for mh care? 1=Yes, 2=No	
In the last month did clinics refer patients with MH disorders for other care? 1=Yes, 2=No	
Was there Training of any staff on mental illness in the last 2 years? 1=Yes, 2=No	

2.6 **Supervision**

When did you receive the last supervisory visit? 1=less than one month 2= In the last 1-3 months, 3=more than 3 months age 5=No supervisory visits received	
During the visit did the supervisor assess Pharmacy stock management? 1=Yes, 2=No	
During the visit did the supervisor assess Staff availability ?1=Yes, 2=No	
During the visit did the supervisor examine patient records for Data completeness, timeliness, and use? 1=Yes, 2=No	

2.7 **Equipment availability**

	ailable and functional	
ctless temperature probes		
oximeter		
ometers		
D test kits		
scopes		
machines		
chines		
n cylinders		
n availability over last 3months		
ators		
oning theatres		
weighing scales		
weighing scales		
weighing scales		
syphilis test, kits		
pregnancy test, kits		
dipsticks-protein		
dipsticks-Blood		
dipsticks-Glucose		
dipsticks-Ketones		
oglobin Meters		
scopes		
slides		
s stains		
and renal functional tests		
fuges		
ood count		
electrolyte		
es		

2.8 **Stocking of medicines, vaccines and commodities**

2.8.1 Family planning commodities

Availability of Family planning Pills	1=Yes, seen, 2 Yes reported, 3=No	
Availability of Injectable contraceptives 1=Yes, 2=No	1=Yes, seen, 2 Yes reported, 3=No	
Availability of Condoms 1=Yes, 2=No	1=Yes, seen, 2 Yes reported, 3=No	

Availability of IUCDs 1=Yes, seen, 2 Yes reported, 3=No 1=Yes, 2=No	

2.8.2 Vaccines

Availability of Measles 1=Yes, seen, 2 Yes reported, 3=No 1=Yes, 2=No	
Availability of Pentavalent 1=Yes, seen, 2 Yes reported, 3=No 1=Yes, 2=No	
Availability of Oral polio 1=Yes, seen, 2 Yes reported, 3=No 1=Yes, 2=No	
Availability of BCG 1=Yes, seen, 2 Yes reported, 3=No 1=Yes, 2=No	
Availability of Rotavirus 1=Yes, seen, 2 Yes reported, 3=No 1=Yes, 2=No	
Availability of Pneumococcal vaccine 1=Yes, seen, 2 Yes reported, 3=No 1=Yes, 2=No	

2.8.3 Availability of essential medicines

Cotrimoxazole 1=Yes, seen, 2 =No	
Fluconazole 1=Yes, seen, 2 =No	
Albendazole 1=Yes, seen, 2 =No	
Amoxicillin 1=Yes, seen, 2 =No	
Ceftriaxone injection 1=Yes, seen, 2 =No	
Ampicillin 1=Yes, seen, 2 =No	
Gentamicin 1=Yes, seen, 2 =No	
Procaine penicillin 1=Yes, seen, 2 =No	
Antibiotic eye ointment 1=Yes, seen, 2 =No	
Insulin inj 1=Yes, seen, 2 =No	
Glucose 50% 1=Yes, seen, 2 =No	
Glucose 5% 1=Yes, seen, 2 =No	
Ringers lactate 1=Yes, seen, 2 =No	
Thiazides 1=Yes, seen, 2 =No	
Beta blockers 1=Yes, seen, 2 =No	
Calcium blockers 1=Yes, seen, 2 =No	
Aspirin 1=Yes, seen, 2 =No	
Prednisolone caps tabs 1=Yes, seen, 2 =No	
Hydrocortisone inj 1=Yes, seen, 2 =No	
Epinephrine inj 1=Yes, seen, 2 =No	
Furosemide caps, tabs 1=Yes, seen, 2 =No	
Glyceryl trinitrate tabs 1=Yes, seen, 2 =No	
Ibuprofen caps and tabs 1=Yes, seen, 2 =No	
Omeprazole tabs 1=Yes, seen, 2 =No	
Salbutamol inhaler 1=Yes, seen, 2 =No	
Spironolactone tabs 1=Yes, seen, 2 =No	
Iron tablets 1=Yes, seen, 2 =No	
Folic acid tablets 1=Yes, seen, 2 =No	
Sodium chloride solution 1=Yes, seen, 2 =No	
Calcium gluconate 1=Yes, seen, 2 =No	
Betamethasone=Yes, seen, 2 =No	
Dexamethasone injection 1=Yes, seen, 2 =No	
ORS 1=Yes, seen, 2 =No	
Zinc Sulphate 1=Yes, seen, 2 =No	

Vitamin A1=Yes, seen, 2 =No	
Skin disinfectants 1=Yes, seen, 2 =No	
Absorbable sutures 1=Yes, seen, 2 =No	
Non-absorbable sutures 1=Yes, seen, 2 =No	
Ketamine injection 1=Yes, seen, 2 =No	
Lidocaine 1% 1=Yes, seen, 2 =No	
Diazepam injection1=Yes, seen, 2 =No	
Diazepam tablets 1=Yes, seen, 2 =No	
Antidepressants 1=Yes, seen, 2 =No	
Antipsychotics 1=Yes, seen, 2 =No	
Mood stabilizers 1=Yes, seen, 2 =No	

2.8.4 Medicines management capacity

National treatment guidelines at PHC level 1=Yes, seen, 2 =No	
National essential medicines list is available 1=Yes, seen, 2 =No	
Have any of the medicines and commodities been out of stock in the last 3 months 1=Yes, 2=No	
Medicines are stored to make identification and expiry date visible 1=Yes, 2=No	
Medicines are stored in order so that the first to expire are first out 1=Yes, 2=No	
Responsible officer for medicines: 1 Pharmacist, Pharmacy technician, 3=Nurse 4=Doctor	