

NIGERIA ESSENTIAL MEDICINES LIST

Sixth Edition | 2018
with Addendum

PUBLISHED BY THE FEDERAL MINISTRY OF HEALTH ABUJA, NIGERIA
IN COLLABORATION WITH WORLD HEALTH ORGANIZATION,
CLINTON HEALTH ACCESS INITIATIVE AND OTHER PARTNERS

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ISBN: 978-978-958-741-4

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Printed in Nigeria

FOREWARD

It is with great pleasure that I write the foreword of the addendum to the current Essential Medicines List. (EML)

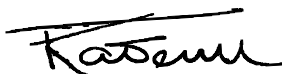
The NDF/EDL review Committee is a statutory committee under the Federal Ministry of Health established under Decree 43 of 1989 now CAP 252 LFN 2004 is saddled with the responsibility of reviewing and developing from time to time a Nigeria Essential Medicines List (NEML) and Drug Formulary as well as Nigeria Standard Treatment Guidelines (NSTG) and advise the Minister on any addition to the NEML as may be necessary.

The 6th edition of the NEML and 2nd edition of the NSTG were done in 2016 and launched by the Hon. Minister of Health on the 20th July, 2017.

After the publication of these documents in March 2016, there arose some emerging health issues concerning some Health Programs Treatment Guidelines like Malaria, HIV/AIDS and TB/LP, Child Health and Reproductive Health that resulted in the consideration and approval of new items as addendum to the current NEML.

In this regard, I wish to state that the addendum is part and parcel of the 6th edition of the NEML. I therefore wish to solicit for sustained commitments of the different levels of government and other stakeholders involved in the various processes of implementation of the addendum to the current NEML.

Lastly, I commend the Chairman, members of the NDF/EDL review Committee, Staff of the Ministry, other operators in Public Health Programs and Partners for their commitment in producing this addendum.



Prof. Isaac F. Adewole, FAS, FSPSP, FRCOG, DSc. (Hons.)

Honourable Minister of Health

Federal Ministry of Health

Nigeria.

March, 2018.

PREFACE

On the 20th of July 2017, the sixth edition of the Nigerian Essential Medicines List (NEML) was launched at Abuja by the Honourable Minister of Health Prof. Isaac F. Adewole. That official presentation was done several months after all inputs from stakeholders were completed and incorporated into the document. The period between the completion of the final draft and the eventual launch was due to some logistic issues.

It is instructive to note that the publication of the fifth edition of the NEML was done in 2010 and it took about seven years before introducing the sixth edition. This implies that it may take a while before the completion and the eventual launch of the next revised edition which would be the seventh in the series.

After the revision on the sixth edition was completed there arose some issues about the need to include some medications into the NEML taking into consideration some emerging health challenges among Nigerians.

Subsequently, several submissions were made, backed by evidence based medicines and justifications for inclusion in the NEML. These were critically reviewed by the Review Committee and were recommended and approved as addendum into the sixth edition of the NEML.

The committee hopes that practitioners and relevant stakeholders would take advantage of the information provided in this addendum to the sixth edition of the Essential Medicines List while also taking into cognisance the various Standard Treatment Guidelines that are in place to further improve on the outcome of health care delivery in Nigeria.

On a very special note we acknowledge the efforts and contributions of the previous NDF/EML Review Committee under the Chairmanship of Prof. Ambrose O.Isah for the production of the sixth edition of the Essential Medicines List.

Finally, the committee hereby express profound appreciation to the Honourable Minister of Health, Prof. Isaac F. Adewole for his usual understanding, encouragement and support.



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March 2018

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The sixth edition of the Nigeria Essential Medicine List with Addendum is a product of the support, recommendation and contributions of the following:

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1. ANAESTHETICS	
1.1 General anaesthetics and oxygen	
Halothane	Inhalation: Liquid, 250-mL bottle
Isoflurane	Inhalation: Liquid, 250-mL bottle
Ketamine	Injection: (hydrochloride), 10 mg Halothane mL in 20-mL vial, 50 mg/mL in 10-mL vial, 100 mg/mL in 5-mL vial
Propofol	Injection: (emulsion), 10 mg/ mL in 20 mL ampoule
Nitrous oxide	Inhalation: Medicinal gas
Oxygen	Inhalation: Medicinal gas
1.2 Local anaesthetics	
Bupivacaine	Injection: (hydrochloride), 0.25%, 0.5% With epinephrine (adrenaline) 1:200,000 in 10-mL ampoule. Hyperbaric formulation: (hydrochloride), 0.5% in 4-mL ampoule to be mixed with 7.5% glucose solution
Lidocaine	Cream or ointment: 2 - 5% Dental cartridges: 2% + epinephrine (adrenaline) 1:80,000 Injection: (hydrochloride) 1%, 2%, vial Gel or solution: 2 - 4% Injection: 1%, 2% + epinephrine (adrenaline) 1:200,000, vial Spray (aerosol): 10%
1.3 Premedication medicines and anaesthetic adjuvants	
Atropine	Injection: (sulfate), 500 micrograms mg, 1 mg in 1-mL ampoule
Diazepam	Injection: 5 mg/mL in 2-mL ampoule
Midazolam	Injection: (hydrochloride), 1 mg/ mL in 1-mL, 2-mL and 5-mL ampoule; 2 mg/mL in 2-mL and 5-mL ampoule. Oral Liquid: 2.5 mg/mL
Morphine	Injection: (sulfate or hydrochloride), 10 mg, 15 mg in 1-mL ampoule Injection: (preservative-free), 0.5 mg/mL, 1 mg/mL in 10-mL vials
Promethazine	Oral liquid: for children (hydrochloride), 5 mg/5 mL
1.4 Skeletal muscle relaxants and cholinesterase inhibitors	
Atracurium	Injection: 10 mg/mL
Neostigmine	Injection: (methylsulfate), 2.5 mg/mL in 1 mL ampoule
Pancuronium	Injection: (bromide), 2 mg / mL
Suxamethonium	Injection: (chloride), 50 mg/mL in 2-mL ampoule Injection: powder (chloride), vial

** Marked for deletion

2. ANALGESICS, ANTIPYRETICS AND NON-STEROIDAL ANTI-INFLAMMATORY MEDICINES	
2.1 Narcotic analgesics	
Dihydrocodeine**	Injection: 50 mg/mL in 1-mL ampoule Tablet: (tartrate), 30 mg
Fentanyl	Injection: (citrate), 25 micrograms/mL; 50 micrograms/mL in 1-mL, 2-mL and 10-mL ampoules Injection: (citrate, preservative-free), 50 micrograms/mL in 1-mL, 2-mL and 10-mL ampoules

Morphine	Injection: (sulfate or hydrochloride), 10 mg, 15 mg in 1-mL ampoule Tablet: 10 mg, modified release, 30, 60 mg
Pentazocine	Injection: (lactate), 30 mg in 1-mL ampoule
Pethidine	Injection: (hydrochloride), 50 mg/mL in 1-mL and 2-mL ampoule
Tramadol	Capsule: (hydrochloride), 50 mg, 100 mg, Injection: (hydrochloride), 50 mg/mL in 1-mL and 2-mL ampoule, 100 mg/2 mL in 2-mL ampoule

2.2 Narcotic antagonist /medicines for treatment of opioid dependence***

Naloxone	Injection: (hydrochloride) 0.4 mg in 1-mL ampoule
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2.3 Non-narcotic analgesics and antipyretics

Acetylsalicylic acid	Capsule/Tablet: 300 mg
Paracetamol	Injection: 150 mg/mL Oral liquid: 125 mg/5 mL Suppository: 100 mg Tablet: 125 mg, 500 mg

2.4 Non-steroidal anti-inflammatory medicines and medicines used for gout/rheumatoid medicines

Allopurinol	Tablet: 100 mg
Diclofenac	Gel: 1% Injection: 25 mg/mL ampoule Tablet: 25 mg, 100 mg
Ibuprofen	Capsule/tablet: 200 mg and 400 mg
Ketoprofen	Gel: 2.5%
Naproxen	Tablet: 250 mg

** Marked for deletion

*** See 27.6 of Restricted List

3. ANTICONVULSANTS (ANTI-EPILEPTICS)

Carbamazepine	Tablet: 100 mg, 200 mg
Clonazepam	Injection: 1 mg/mL ampoule for dilution Oral liquid: 500 micrograms/5 mL Tablet: 500 micrograms
Diazepam	Injection: 5 mg/mL in 2-mL ampoule
Ethosuximide	Capsule/tablet: 250 mg Oral liquid: 250 mg/5 mL
Magnesium sulphate	Injection: 50% in 2-mL ampoule; 20% as 5 or 10-ml ampoule
Phenobarbital	Oral liquid: 15 mg/5 mL Tablet: 15 mg, 30 mg, 60 mg
Phenytoin sodium	Capsule/tablet: 25 mg, 50 mg, 100 mg
Pregabalin	Capsules: 25 mg, 50 mg, 75mg, 150 mg, 300 mg
Sodium valproate	Oral liquid: 200 mg/ 5 mL Tablet: (enteric-coated), 100 mg, 200 mg, 500 mg

4. ANTIDOTES**4.1 Non-specific (general) antidote**

Charcoal, activated	Tablet: 1 g Powder/granules: 5 g sachet
---------------------	--

4.2 Specific antidotes

Atropine	Injection: (sulfate), 1 mg in 1-mL ampoule
Desferoxamine	Injection: (mesylate), 500 mg, vial

Dimercaprol	Injection: 50 mg/mL in 2-mL ampoule
Flumazenil	Injection: 100 micrograms/mL in 5-mL ampoule
Methionine	Tablet: 250 mg
Methylthioninium chloride (methylene blue)	Injection: 10 mg/mL in 10-mL ampoule
Naloxone	Injection: (sulfate), 1 mg in 1-mL ampoule Injection: (hydrochloride), 0.4 mg in 1-mL ampoule
N-Acetylcysteine	Injection: 200 mg/mL in 10-mL ampoule Oral liquid: 10%, 20%
Phytomenadione (vitamin K ₁)	Injection: 10 mg / mL in 1-mL ampoule
Potassium ferric Hexacyanoferrate (II) (Prussian blue)	Powder for oral administration
Protamine sulfate	Injection: 10 mg / mL in 5-mL ampoule
Sodium calcium edetate	Injection: 200 mg / mL in 5-mL ampoule
Sodium nitrite	Injection: 30 mg / mL in 10-mL vial
Sodium thiosulfate	Injection: 500 mg / mL

5. ANTI-INFECTIVE MEDICINES	
5.1 Amoebicide	
Metronidazole	Oral liquid: 200 mg/5 mL Tablet: 200 mg, 400 mg
Tinidazole	Tablet: 500 mg
5.2 Anthelmintics	
5.2.1 Intestinal anthelmintics	
Albendazole	Oral liquid: 100 mg/5 mL Tablet: 200 mg
Mebendazole	Oral liquid: 100 mg/5 mL Tablet: 100 mg, 500 mg
Praziquantel	Tablet: 600 mg
5.2.2 Antifilarials	
Ivermectin	Tablet: 3 mg, 6 mg
5.2.3 Antischistosomal and other antitrepatode medicines	
Praziquantel	Tablet: 600 mg
5.3 Antibacterial medicines	
Amoxicillin	Capsule: (trihydrate), 250 mg; 500 mg Dispersible tablet: 125 mg and 250 mg Injection: (sodium salt), 250 mg, 500 mg, vial Powder for oral liquid: (trihydrate), 125 mg/5 mL
Amoxicillin + clavulanic acid	Capsule/tablet: amoxicillin (trihydrate), 250 mg + clavulanic acid (potassium salt), 125 mg Injection powder: amoxicillin (trihydrate), 500 mg + clavulanic acid (potassium salt), 100 mg, vial; amoxicillin (trihydrate) 1 g + clavulanic acid 200 mg, vial. Powder for oral liquid: amoxicillin (trihydrate), 125 mg + clavulanic acid (potassium salt) 31.25 mg
Ampicillin + cloxacillin**	Capsule: 250 mg of each Injection powder: (sodium salt), 250 mg of each, vial Neonatal drops: ampicillin 60 mg + cloxacillin 30 mg/ 0.6 mL Neonatal injection: ampicillin 50 mg + cloxacillin 25 mg, vial Powder for oral liquid: 125 mg of each/ 5mL

Azithromycin	Capsule: 250 mg, 500 mg Oral liquid: 200 mg/5 mL
Benzathine benzylpenicillin	Injection powder: equivalent to 720 mg (1.2 million units) 1.44 g (2.4 million units) of benzylpenicillin, vial
Benzylpenicillin	Injection powder: (sodium or potassium salt), 600 mg (1 million units), 3.0 g (5million units), vial
Ceftriaxone	Injection powder: 250 mg, 500 mg, 1 g, vial
Cefuroxime	Oral liquid: (axetil), 125 mg / 5 mL Injection: (sodium salt), 250 mg, 750 mg, vial Tablet: (axetil), 125 mg, 250 mg, 500 mg
Ciprofloxacin*	Injection: (lactate) 2 mg / mL in 50-mL,100-mL bottle Tablet: (hydrochloride), 250 mg, 500 mg
Clarithromycin	Suspension: 250 mg/5 mL Tablet: 250 mg, 500 mg
Clindamycin	Capsule: (hydrochloride), 150 mg Injection: (phosphate), 150 mg/mL
Cloxacillin	Capsule: 250 mg Injection powder: 250 mg, 500 mg , vial Powder for oral liquid: 125 mg/5 mL
Co-trimoxazole	Oral liquid: sulfamethoxazole 200 mg + trimethoprim 40 mg/5 mL Tablet: sulfamethoxazole 400 mg+ trimethoprim 80 mg
Doxycycline	Capsule: (hydrochloride), 100 mg
Erythromycin	Capsule/tablet, enteric/film-coated: (stearate or ethylsuccinate), 250 mg, 500 mg Injection powder: (lactobionate), 500 mg , vial Oral liquid: (stearate or ethylsuccinate), 125 mg/5 mL
Flucloxacillin	Capsule: 250 mg, 500 mg Powder for oral liquid: 125 mg/5 mL
Gentamicin	Injection: (Sulphate), 40mg/ml in 2ml ampoule
Levofloxacin*	Injection: 5 mg/mL in 100-mL bottle Tablet: 250 mg, 500 mg, 750 mg
Metronidazole	Injection: 500 mg in 100-mL bottle
Nitrofurantoin	Tablet: 50 mg, 100 mg
Phenoxymethylpenicillin	Tablet: (potassium salt), 250 mg
Tetracycline	Capsule: tablet, (hydrochloride), 250 mg Injection powder: 100 mg, 250 mg, vial Eye ointment
Vancomycin	Capsule: 250 mg, 500 mg Injection powder: (hydrochloride), 1 g, 5 g, 10 g vials
5.4 Antifilarial medicines	
Diethylcarbamazine**	Tablet: 50 mg
Ivermectin	Tablet: 3 mg
5.5 Antiflagellate medicines	
Metronidazole	Oral liquid: 200 mg /5 mL Tablet: 200 mg
Tinidazole	Tablet: 500 mg
5.6 Antileprosy medicines	
Clofazimine	Tablet: 50 mg, 100 mg
Dapsone	Tablet: 50 mg, 100 mg
Rifampicin	Capsule/tablet: 150 mg, 300 mg
5.7 Antimalarial medicines	
5.7.1 Treatment	
Artemether	Injection: 80 mg /mL in 1-mL ampoule

Artesunate	Injection: 60 mg / mL(powder for injection) in vial plus 1 mL of 5% sodium bicarbonate as solvent
Artesunate + amodiaquine	Oral liquid: 15 mg + 90 mg in 5 mL Tablet: 25 mg + 67.5 mg, 50 mg+ 135 mg, 100 mg + 270 mg
Artemether + lumefantrine	Tablet: 20 mg + 120 mg
Proguanil	Tablet: (hydrochloride), 100 mg
Pyrimethamine + sulfadoxine	Tablet: 25 mg + 500 mg
Quinine	Injection: (dihydrochloride), 300 mg/mL in 2-mL ampoule
5.7.2 Prophylaxis	
Atovaquone +proguanil	Tablet: 20 mg + 120 mg
Hydroxychloroquine **	Tablet: 200 mg
Proguanil	Tablet: (hydrochloride), 100 mg
Mefloquine	Tablet: (hydrochloride), 250 mg
Pyrimethamine + sulfadoxine	Tablet: 25 mg + 500 mg
5.8 Antischistosomal medicines	
Praziquantel	Tablet: 600 mg
5.9 Antitrypanosomal and antileishmaniasis Medicines	
Eflornithine	Injection: (hydrochloride), 200 mg/ml in 100-ml bottle
Meglumine antimonate	Injection: 30%, equivalent to 8.5%antimony in 5mL ampoule
Melarsoprol	Injection: 3.6% solution, in 5-mL ampoule
Nifortimox	Tablet: 30 mg, 120 mg, 250 mg
Pentamidine	Injection powder: (isetionate), 300 mg, vial
Sodium stibogluconate	Injection: containing 10% antimony
Suramin	Injection: 1 g, vial
5.10 Antituberculosis medicines	
Ethambutol	Tablet: (hydrochloride), 100 – 500 mg
Isoniazid	Tablet: 100 – 300 mg
Pyrazinamide	Tablet: 400 mg
Rifabutin	Capsule: 150 mg
Rifampicin	Capsule/tablet: 150 mg, 300 mg
Rifampicin + Isoniazid	Tablet: rifampicin 150 mg + isoniazid 100 mg; Rifampicin 300mg + isoniazid 150 mg
5.11 Antiviral medicines	
Aciclovir	Injection powder: (sodium salt), 250 mg, vial Oral liquid: 200 mg/5 mL Tablet: 200 mg, 400 mg
Idoxuridine	Cream: 5% Solution: 5% in dimethylsulphoxide (for external application)
5.11.1 Antiretroviral (ARV) medicines	
5.11.1.1 Non-nucleoside reverse transcriptase inhibitors	
Nevirapine (NVP)	Oral liquid: 50 mg/mL Tablet: 200 mg
Efavirenz (EFV or EFZ)	Capsule: 50 mg, 100 mg, 200 mg Oral liquid: 150 mg/5 mL Tablet: 600 mg
5.11.1.2 Nucleoside/nucleotide reverse transcriptase inhibitors	
Abacavir (ABC)	Oral liquid: (sulfate), 100 mg/5 mL Tablet: (sulfate), 300 mg

Didanosine (ddl)	Buffered powder for oral liquid: 100 mg, 167 mg, 250 mg packets Capsule: (unbuffered enteric-coated), 125 mg, 200 mg, 250 mg, 400 mg Tablet: (buffered chewable, dispersible), 25 mg, 50 mg, 100 mg, 150 mg, 200 mg
Lamivudine (3TC)	Solution: 5 mg/mL Tablet: 150 mg
Zidovudine (ZDV)	Capsule: 100 mg, 250 mg Oral liquid: 50 mg/mL
5.11.1.3 Protease inhibitors	
Indinavir (IDV)	Capsule: (sulfate), 200 mg, 400 mg
Lopinavir + ritonavir (LPV/r)	Capsule: 133.3 mg + 33.3 mg Oral liquid: 400 mg + 100 mg / 5 mL Tablet: (heat stable)100 mg + 25 mg; 200 mg + 50 mg
5.11.1.4 Fixed-dose combinations	
Lamivudine + nevirapine + stavudine	Tablet: 150 mg + 200 mg + 30 mg Tablet: (dispersible), 30 mg + 50 mg + 6 mg, 60 mg + 100 mg + 12 mg
Lamivudine + nevirapine+ zidovudine	Tablet: 30 mg + 50 mg + 60 mg,150 mg + 200 mg + 300 mg
Lamivudine + zidovudine	Tablet: 30 mg + 60 mg, 150 mg + 300 mg
5.12 Systemic antifungal medicines	
Amphotericin B	Injection powder: (deoxycholate), 50-mg vial
Fluconazole	Capsule: 50 mg, 150 mg Injection: 2 mg/mL in 0.9% sodium chloride
Miconazole	Cream: (nitrate), 2% Lotion: (nitrate), 2% Pessary: (nitrate), 200 mg, 400 mg Powder: (nitrate), 2% Tablet: 250 mg
Nystatin	Lozenges: 100,000 units/mL Oral liquid: 100,000 units/mL Pessary: 100,000 units Tablet: 500,000 units

* Not recommended for children and growing adolescents

** Marked for deletion

6. ANTIMIGRAINE MEDICINES

Ergotamine	Tablet: (tartrate), 2 mg
Propranolol*	Tablet: (hydrochloride), 40 mg, 80 mg
Sumatriptan	Tablet: 50 mg, 100 mg

* For prophylaxis

7. ANTINEOPLASTIC AND IMMUNOSUPPRESSIVE MEDICINES

Actinomycin-D	Injection powder: 0.5 mg in vial
Asparaginase	Injection powder: 10 000 IU in vial
Azathioprine	Injection powder: (sodium salt), 50 mg, vial Tablet: 50 mg
Bleomycin	Injection powder: (sulfate), 15,000 units, vial
Busulfan (busulphan)	Tablet: 2 mg
Carboplastin	Injection: 10 mg/mL in 5-mL vial
Chlorambucil	Tablet: 2 mg, 5 mg
Ciclosporin (cyclosporin)	Oral liquid: 100 mg/mL Injection: 50 mg/mL ampoule
Cisplastin	Injection powder: 10 mg, 50 mg, vial

Cyclophosphamide	Injection powder: 100 mg, 500 mg, 1 g, vial Tablet: 25 mg, 50 mg
Cytarabine	Injection powder: 100 mg, vial
Dacarbazine (DTIC)	Injection powder: (citrate) 100 mg, 200 mg, 500 mg, vial
Daunorubicin	Injection powder: (hydrochloride) 50 mg, vial
Dexamethasone	Injection: (sodium phosphate), 4 mg/mL ampoule Tablet: 500 micrograms, 4 mg
Doxorubicin	Injection powder: (hydrochloride), 10 mg, 50 mg vial
Epirubicin	Injection: (hydrochloride), 2 mg/mL in 5-mL vial Injection powder: (hydrochloride) 50 mg powder in vial
Etoposide(VP-16)	Capsule: 100 mg Injection: 100 mg /5 mL vial
Erythropoietin	Injection: 4000 IU/ 0.4 mL, 6000 IU, 10 000 IU, in 1-mL vials
Fludarabine	Injection powder: (phosphate), 50 mg vial Tablet: (phosphate), 10 mg
Fluorouracil	Injection: (sodium salt), 50 mg/mL in 5-mL vial
Hydroxyurea	Capsule: 100 mg, 250 mg, 500 mg
Ifosfamide	Injection powder: 1 g, 2 g vial
Imatinib	Tablet: (mesylate) 100 mg, 400 mg
Melphalan	Tablet: 2 mg Injection: (hydrochloride), 50 mg vial
6-Mercaptopurine	Tablet: 50 mg
Mesna	Tablet: 400 mg, 600 mg Injection: 100 mg/mL in 10-mL ampoule
Methotrexate	Injection powder: (sodium salt), 50 mg, vial Tablet: (sodium salt), 2.5 mg
Mitoxantrone	Concentrate for intravenous infusion: 2 mg/mL in 10-mL vial
Ondansetron	Injection: 2 mg/mL in 4-mL ampoule Tablet: 8 mg
Paclitaxel	Injection: 100 mg/16.67 mL vial
Prednisolone	Injection: (sodium phosphate or sodium succinate), 20 mg / mL, 25 mg/mL, vial Tablet: 5 mg
Procarbazine	Capsule: (hydrochloride), 50 mg
Stilboestrol	Tablet: 1 mg, 5 mg, 25 mg
Tamoxifen	Tablet: (citrate), 10 mg, 20 mg
6-thioguanine	Tablet: 40 mg
Vinblastine	Injection: 1 mg/ mL in 10 mL vial
Vincristine	Injection powder: (sulfate), 1 mg, 2 mg, 5 mg vial

8. ANTISEPTICS AND DISINFECTANTS

Benzoin	Compound tincture of benzoin
Cetrimide + chlorhexidine	Solution: cetrimide 15% + chlorhexidine (gluconate)1.5%, for dilution
Chlorhexidine	Gel: (umbilical cord application) Solution: (gluconate), 5% for dilution
Dichloroxylenol + chlorophenol	Soap, solution
Formaldehyde	Solution: 1.5 – 1M%
dlutaraldehyde	Solution: 2% (in buffered base)
Iodine	Weak solution of iodine: 1%
Methylated spirit	Solution
Potassium permanganate	Solution: 0.1%
Povidone iodine	Solution: 10%
Sodium hypochlorite	Solution: different preparations with available chlorine from 1 - 10%
Trichlorophenol	Cream, liquid, ointment, mixture of halogenated phenols and salicylic acid

Eusol	Solution: chlorinated lime 1.25% plus boric acid 1.25%, freshly prepared
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9. BLOOD PRODUCTS AND PLASMA SUBSTITUTE	
9.1 Plasma fraction for specific use	
Human albumin	Injection: 20% solution
9.2 Plasma substitutes	
Dextran 70	Intravenous infusion: 6% in sodium chloride Intravenous infusion: 7.5%, 500mL
Polygeline	Injection: 3.5% solution, 500 mL

10. CARDIOVASCULAR MEDICINES	
10.1 Anti-anginal medicines	
Atenolol	Injection: 500 micrograms/mL, ampoule Tablet: 25 mg, 50 mg, 100 mg
Diltiazem	Tablet: (hydrochloride), 60 mg, 90 mg, 120 mg, 180 mg
Glyceryl trinitrate	Tablet: sublingual, 500 micrograms
Isosorbide dinitrate	Tablet: sublingual, 5 mg Tablet: oral 10 mg
10.2. Anti-arrhythmic medicines	
Amiodarone	Tablet: (hydrochloride), 100 mg, 200 mg
Diltiazem	Injection: (hydrochloride), 100 mg/mL in 10 mL- ampoule Tablet: (hydrochloride), 60 mg, 90 mg, 120 mg, 180 mg
Lidocaine	Injection: (hydrochloride), 20 mg/mL in 5 mL- ampoule
Procainamide	Tablet: (hydrochloride), 250 mg
Propranolol	Injection: (hydrochloride), 1 mg/mL, ampoule Tablet: (hydrochloride), 10 mg, 40 mg
Verapamil	Tablet: 40 mg, 80 mg, 120 mg
10.3 Antihypertensive medicines	
Amiloride + hydrochlorothiazide	Tablet: 2.5 mg + 25 mg
Amlodipine	Tablet: (besylate), 5 mg, 10 mg
Atenolol	Tablet: 25 mg, 50 mg, 100 mg
Bendrofluazide	Tablet: 2.5 mg, 5 mg
Captopril	Tablet: 12.5 mg, 25 mg, 50 mg
Hydralazine	Injection powder: (hydrochloride), 20 mg, Ampoule
Labetalol	Injection powder: 5 mg/mL in 20 mL-ampoule Tablet: (hydrochloride), 100 mg, 200 mg
Lisinopril	Tablet: 5 mg, 10 mg
Losartan	Tablet: 25 mg, 50 mg
Methyldopa	Tablet: 250 mg, 500 mg
Nifedipine	Tablet: (slow release), 20 mg
Nimodipine	Tablet: 30 mg
Propranolol	Tablet: (hydrochloride), 40 mg, 80 mg
Reserpine + dihydroergocristine + clopamide	Tablet: 100 micrograms + 500 micrograms + 5 mg
Valsartan	Tablet: 40 mg, 80 mg, 160 mg
10.4 Medicines used in heart failure	
Captopril	Tablet: 12.5 mg, 25 mg
Digoxin	Injection: 100 micrograms/mL in 1-mL, ampoule 250 Oral liquid: 50 micrograms/mL Tablet: 62.5 micrograms, 125 micrograms, 250

	micrograms/mL in 2-mL, ampoule
Furosemide	Injection: 10 mg/2 mL in 2-mL ampoule Tablet: 40 mg
Metoprolol	Tablet: 25 mg (Metoprolol succinate 23.75 mg equiv. to Metoprolol tartrate 25 mg; extended release tablet), 50 mg (Metoprolol succinate 47.5 mg equiv. to metoprolol tartrate 50mg extended release tablet)

11. DENTAL MEDICINES	
11.1 Anti-inflammatory dental medicines	
Triamcinolone	Paste: (acetonide), 0.1%
11.2. Local anaesthetic	
Lidocaine	Cream: 5% Injection: anhydrous lidocaine (hydrochloride), 2% with epinephrine (adrenaline) 1 in 80,000 in dental cartridge Spray: 0.2%
11.3 Mouthwashes	
Hexetidine	Solution: 0.1%
Nystatin	Solution: 100,000 units/mL
Zinc chloride + zinc sulfate	Compound mouthwash: containing zinc chloride 1% + zinc sulfate 2%

12. DERMATOLOGICAL MEDICINES	
12.1 Anti-acne medicines	
Benzoyl peroxide	Cream: 2.5%, 5%, 10% Gel: 2.5%, 5%, 10%
12.2 Antifungal medicines	
Benzoic acid + salicylic acid	Cream/ointment: containing benzoic acid, 6% and salicylic acid, 3%
Clotrimazole	Cream/ointment: 1% Dusting powder: 1% Pessaries: 100 mg, 200 mg
Miconazole	Cream: (nitrate), 2% Dusting powder: (nitrate), 2% Oral gel: (nitrate), 2 - 2.5% Lotion/tincture: 2%
Miconazole + hydrocortisone	Cream: miconazole, 2%, hydrocortisone, 1% Vaginal ovule: 200 mg, 400 mg
Nystatin	Cream/ointment: 100,000 units Oral suspension: 100,000 units
12.3 Anti-infective medicines	
Gentamicin	Cream: (sulfate), 0.3%
Gentian violet (Methylosanilinium chloride)**	Aqueous solution: 0.5% chloride)
Silver sulfadiazine	Cream: 1%
12.4 Anti-inflammatory and antipruritic medicines	
Betamethasone	Cream/ointment: (valerate), 0.1%
Calamine lotion	Lotion
Hydrocortisone	Cream/ointment: (acetate), 1%
Hydrocortisone + Neomycin	Cream/ointment: hydrocortisone 0.5 - 1% + neomycin 0.25 - 0.5%

Methyl salicylate	Ointment/liniment: 4 - 20%
12.5 Astringent medicines	
Aluminium diacetate	Solution: 13% for dilution
Calamine + zinc oxide	Lotion, plaster
12.6 Keratolytic and keratoplastic medicines	
Coal tar	Solution: 1 - 10%
Dithranol	Ointment: 0.1 - 2%
Podophyllum resin	Solution: (topical), 10 - 20%
Salicylic acid	Ointment: 2 - 5%
Urea	Cream/ointment: 10%
12.7 Psoriasis and vitiligo medicines (See Restricted List)	
12.8 Scabicides and pediculicides	
Benzyl benzoate	Emulsion: 25%
Permethrin	Lotion: 1%

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13. DIALYSIS SOLUTION	
Interperitoneal dialysis solution	Parenteral solution: (of appropriate composition)

14. DIURETICS	
Amiloride + hydrochlorothiazide	Tablet: 2.5 mg + 25 mg; 5 mg + 50 mg
Furosemide (frusemide)	Tablet: 40 mg Injection: 10 mg/mL in 2-mL ampoule
Hydrochlorothiazide	Tablet: 25 mg, 50 mg
Spirolactone	Tablet: 25 mg, 50 mg

15. MEDICINES ACTING ON RESPIRATORY TRACT	
15.1 Antiasthmatics and medicines for chronic obstructive pulmonary disease	
Aminophylline	Injection: 25 mg/mL
Beclomethasone Dipropionate	Inhalation: (aerosol), 50 micrograms per dose, 250 micrograms per dose
Epinephrine (adrenaline)	Injection: (hydrochloride or hydrogen tartrate), 1 mg in 1-mL ampoule
Ipratropium bromide	Inhalation: (aerosol), 20 micrograms per metered inhalation
Salbutamol*	Inhalation: (aerosol), 100 micrograms (sulfate) per dose Injection: (sulfate), 50 micrograms / mL in 5-mL ampoule Metered dose inhaler: (aerosol), 100 micrograms (sulfate) per dose Oral liquid: 2 mg/5 mL Respirator solution for use in nebulizers: (sulfate), 5 mg/mL Tablet: (sulfate), 2 mg, 4 mg
Salmeterol	Inhalation: (as the hydroxynaphthoic acid salt) 25 mcg per dose (actuation) in pressurize metered-dose inhaler (Each canister provides 120 actuations)
15.2 Antitussive	
Dextromethorphan hydrobromide	Oral liquid: 15 mg/5 mL

* Oral salbutamol treatment should only be considered when inhaled asthma therapy is not feasible

16. MEDICINES AFFECTING THE BLOOD	
16.1 Anti-anaemia medicines	
Hydroxocobalamine	Injection: 1 mg/mL, ampoule
Ferric ammonium citrate	Mixture: 400 mg/5 mL
Ferrous sulphate	Tablet: 200 mg equivalent to 60 mg iron
Ferrous gluconate	Tablet: 300 mg equivalent to 35 mg iron
Folic acid	Tablet: 5 mg
Erythropoietin alpha	Injection: 2000, 4000, 6000, 10000 IU
Erythropoietin beta	Injection: 500 – 3M,MMM
16.2 Anticoagulants and antiplatelets	
Acetylsalicylic acid	Tablet: 75 mg
Clopidogrel	Tablet: (besilate or hydrochloride), 75 mg
Enoxaparin sodium	Injection: 100 mg/mL
Heparin sodium	Injection: 1000 units/mL and 25,000 units/mL ampoule
Warfarin sodium	Tablet: 1 mg, 5 mg
16.3 Antifibrinolytic and haemostatic drug	
Aminocaproic acid (with or without lipid thromboplastin)	Injection: Aminocaproic acid 100 mg + lipid thromboplastin 2 mg per mL, 10-mL ampoule Tablet: 500 mg
16.4 Fibrinolytics	
Alteplase	Powder for injection: 2 mg (1.16 million units)/vial
Streptokinase	Powder for injection: 1.5 million units/vial

17. MEDICINES FOR PARKINSONISM AND OTHER NEUROLOGICAL DISORDERS	
17.1 Antiparkinsonism medicines	
Benzhexol	Tablet: (hydrochloride), 2 mg, 5 mg
Biperiden	Injection: (lactate), 5 mg/mL in 1-mL, ampoule Tablet: (hydrochloride), 2 mg
Levodopa + carbidopa	Tablet: 100 mg + 10 mg Tablet: 250 mg + 25 mg
17.2 Medicines for myasthenia gravis	
Neostigmine	Tablet: (bromide), 15 mg
Pyridostigmine	Tablet: (bromide), 60 mg

18. MEDICINES USED IN ANAPHYLAXIS	
18.1 Anti-anaphylactics	
Dexamethasone	Injection: (sodium phosphate), 4 mg in 1-mL ampoule
Epinephrine (adrenaline)	Injection: (acid tartrate or hydrochloride), 1 mg/mL in 1-mL, ampoule
Hydrocortisone	Injection powder: (sodium succinate) 100 mg, vial
18.2 Antihistamines	
Chlorphenamine	Injection: (maleate), 10 mg in 1-mL ampoule Oral liquid: 2 mg/ 5 mL

	Tablet: (maleate), 4 mg
Loratidine	Tablet: 10 mg
Promethazine	Injection: (hydrochloride), 25 mg/mL in 1- mL and 2-mL ampoule Oral liquid: (hydrochloride), 5 mg/5 mL Tablet: (hydrochloride), 10 mg, 25 mg

19. EAR, NOSE AND THROAT MEDICINES

19.1 Ear medicines

19.1.1 Anti-infective medicines

Chloramphenicol	Ear drops: 5%
Gentamicin	Ear drops: (sulfate), 0.3%

19.1.2 Anti-inflammatory medicines

Betamethasone	Ear drops: (sodium phosphate), 0.1%
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19.1.3 Combined anti-infective and anti-inflammatory medicines

Flumetasone + clioquinol	Ear drops: flumetasone pivalate 0.02% + clioquinol 1%
Hydrocortisone + neomycin	Ear drops: hydrocortisone (acetate), 1.5%+ neomycin (sulfate), 0.5%

19.1.4 Removal of ear wax

Glycerol + sodium bicarbonate	Ear drops: glycerol 30 mL + sodium bicarbonate 5 g in 100 mL solution
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19.2 Nose medicines

19.2.1 Anti-allergic and nasal decongestants

19.2.1.1 Cauterization of nose

Silver nitrate	Solution: 0.5% in water, freshly prepared. Sticks/crystals
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19.2.1.2 Systemic

Pseudoephedrine hydrochloride	Oral liquid: 30 mg/5 mL Tablet: 60 mg
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19.2.1.3 Topical

Beclomethasone	Nasal spray: aerosol (dipropionate), 500 micrograms/metered spray
Ephedrine	Nasal drops: (hydrochloride), 0.5%

20. GASTRO-INTESTINAL MEDICINES

20.1 Antacid medicines

Aluminium hydroxide	Mixture: B.P Tablet: 500 mg
Aluminium hydroxide + magnesium trisilicate	Mixture: B.P. Tablet: aluminium hydroxide 120 mg + Magnesium trisilicate 250 mg
Magnesium trisilicate	Mixture: 250 mg/5 mL Tablet: 500 mg

20.2 Anti-emetic medicines

Metoclopramide	Injection: (hydrochloride), 5 mg/mL in 2mL-ampoule Oral liquid: (hydrochloride), 5 mg/5 mL Tablet: (hydrochloride), 10 mg
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Prochlorperazine	Injection: (mesylate), 12.5 mg/mL in 1-mL and 2-mL ampoules Oral liquid: (mesylate), 5 mg /5 mL Tablet: (maleate), 5 mg, 25 mg
Promethazine	Injection: (hydrochloride), 25 mg/mL in 1mL and 2-mL ampoules Oral liquid: (hydrochloride), 5 mg/5 mL Tablet: (hydrochloride), 10 mg, 25 mg or (theoclate), 25 mg
20.3 Anti-haemorrhoidal medicines	
Preparations containing: Hydrocortisone acetate with or without lidocaine hydrochloride +astringent(s)	Rectal suppository or ointment
20.4 Antispasmodic medicines and smooth muscle relaxants	
Hyoscine N-butylbromide	Injection: 20 mg/mL in 1-mL ampoule Oral liquid: (hydrochloride), 5 mg/5 mL Tablet: 10 mg
20.5 Laxatives	
Bisacodyl	Suppositories: 5 mg, 10 mg Tablet: 5 mg
Lactulose	Syrup: 68% w/v
Liquid paraffin	Emulsion: oral, as faecal softener
Senna	Tablet: total sennosides = 7.5 mg
20.6 Medicines used in diarrhoea	
20.6.1 Oral rehydration therapy	
Oral rehydration salts	Low Osmolarity Oral Rehydration Salts, co-packed with zinc sulphate tablets: 20.5 g ORS (sodium chloride 2.6 g, potassium chloride 1.5 g, sodium citrate 2.9 g, dextrose 13.5 g)+ 20 mg dispersible zinc sulfate Powder, composition/litre of solution: glucose anhydrous 13.5 g, potassium chloride 1.5 g, sodium citrate dihydrate 2.9 g, sodium chloride 2.6 g (the sodium citrate dihydrate may be replaced by sodium bicarbonate 2.5 g, in the absence of the former)
20.6.2 Medicines for diarrhoea in children	
Zinc Sulphate (Should be used as an adjunct to oral rehydration salts in acute diarrhoea)	Oral liquid: in 10 mg per unit dosage form Tablet: in 10 mg per unit dosage form
20.6.3 Medicines for diarrhoea in adults	
Diphenoxylate	Tablet: diphenoxylate hydrochloride, 2.5 mg + atropine sulfate, 25 micrograms
Loperamide	Capsule: 2 mg Tablet: 2 mg
20.7 Helicobacter pylori eradication	
20.7.1 Acid suppressants	
Cimetidine	Injection: 100 mg/mL in 2-mL ampoule Tablet: 200 mg, 400 mg
Omeprazole	Injection powder: (sodium salt), 40 mg, vial Tablet: 10 mg, 20 mg
Ranitidine	Injection: 25 mg/mL in 2-mL ampoule Tablet: (hydrochloride), 150 mg, 300 mg

20.7.2 Anti-infectives	
Amoxicillin	Capsule: (trihydrate), 250 mg, 500 mg
Clarithromycin	Tablet: 250 mg, 500 mg
21. ENDOCRINE MEDICINES	
21.1 Adrenal hormones and synthetic substitutes	
Dexamethasone	Injection: 2 mg/mL, 4 mg/mL in 2-mL, ampoule Tablet: 0.5 mg, 4 mg
Hydrocortisone	Injection powder: (sodium succinate), 100 mg, vial
Prednisolone	Tablet: 1 mg, 5 mg
21.2 Antidiabetic medicines	
21.2.1 Insulins (human)	
Biphasic isophane insulin	Injection: 30% soluble, 70% isophane, 100 units/mL
Insulin, soluble	Injection: (short-acting), 100 units/mL in 10-mL vial
Insulin glargine	Injection: 100 units/mL in 10-mL vial
21.2.2 Oral antidiabetic medicines	
Glibenclamide	Tablet: 5 mg
Gliclazide	Tablet: 80 mg
Glimepiride	Tablet: 1 mg, 2 mg, 3 mg, 4 mg
Metformin	Tablet: (hydrochloride), 500 mg
Vidagliptin*	Tablet: 50 mg
21.3 Contraceptives	
21.3.1 Implantable contraceptives	
Etonogestrel releasing implant	Single rod: containing etonogestrel 68 mg per rod
Levonorgestrel-releasing implant	Two-rod implant, each containing 75 mg of levonorgestrel (150 mg total)
21.3.2 Injectable hormonal contraceptives	
Levonorgestrel	Implant: (subdermal) 36 mg
Medroxyprogesterone acetate	Injection: depot, 150 mg/mL in 3-mL, vial
Norethisterone enantate	Injection: 200 mg/mL in 1-mL, ampoule
21.3.3 Intrauterine devices	
Copper	Various copper-containing devices
Lippe's loop	Various sizes, A, B, C and D with insertion Tubes
21.3.4 Oral hormonal contraceptives	
Ethinylestradiol + levonorgestrel	Tablet: 30 micrograms + 150 micrograms
Ethinylestradiol + levonorgestrel + Ferrous fumarate	Tablet: 30 micrograms + 50 – 15Mmicrograms H 75 mg
Ethinylestradiol H norethisterone	Tablet: 35 micrograms + 1 mg norethisterone
Norethisterone	Tablet: 35 micrograms
21.3.5 Emergency Contraceptives	
Levonorgestrel	Tablet: 0.75 mg
21.4 Androgens (See Restricted List)	
21.5 Estrogens	
Ethinylestradiol	Tablet: 10 micrograms, 50 micrograms

21.6 Medicines acting on pituitary-ovarian axis	
Bromocriptine	Capsule/tablet: (mesylate), 1 mg, 2.5 mg
Clomiphene	Tablet: (citrate), 50 mg
21.7 Thyroid hormones and antithyroid medicines	
21.7.1 Antithyroid medicines	
Carbimazole	Tablet: 5 mg
Iodine + potassium iodide (Lugol's solution)	Oral liquid: containing: iodine 5% and potassium iodide 10% in purified water
Propylthiouracil	Tablet: 50 mg
21.7.2 Thyroid hormone	
Levothyroxine	Tablet: (sodium salt), 50 micrograms, 100 micrograms
Liothyronine	Tablet: (sodium salt), 20 micrograms
21.8 Antidiuretic hormone (See Restricted List)	
21.9 Other hormone inhibitor	
Ocreotide	Injection: 50 micrograms/mL in 1-mL ampoule, 100 micrograms/mL in 1-mL ampoule, 200 micrograms/mL in 1-mL ampoule

22. IMMUNOLOGICALS	
22.1 Sera and immunoglobulins	
Anti-D immunoglobulin (human)	Injection: 250 micrograms / mL, vial
Anti-gas gangrene	Injection: 10,000 units, 30,000 units, vial
Antiscorpion serum	Injection: 1-mL ampoule
Antisnake-bite serum	Injection: polyvalent, 10-mL, 20-mL ampoule
Antitetanus immunoglobulin (Human)	Injection: 1,500 units 10,000 units, ampoule; 50,000 units, vial
Gas-gangrene antitoxin	Injection: 4,000 units, 10,000 units, vial
Normal immunoglobulin	Injection: 16%
Rabies immunoglobulin	Injection: 150 units /mL, vial
22.2 Vaccines*	
22.2.1 Vaccines for specific immunization	
Cholera vaccine	Injection: 1.5-mL, 5- mL, 10-mL and 50-mL, ampoule or vial
Hepatitis B vaccine	Liquid for injection: 10-dose vial
Meningococcal vaccine	Injection powder: 1,10 and 50-dose vials
Rabies vaccine (inactivated)	Injection: 1-mL ampoule
Tetanus vaccine (Tetanus toxoid)	Injection: 0.5 mL-dose ampoule
Typhoid vaccine (Vi antigen)	Injection: 0.5 mL/syringe, 10 mL/vial, 25 mL/vial
Typhoid vaccine (TAB)	Injection: 1.5-mL , vial
Yellow fever vaccine	Injection powder: 1-dose, 5-dose and 10-dose vials
22.2.2 Vaccines for universal immunization	
BCG vaccine	Injection powder: 20-dose vial injection: 10-dose vial
Hepatitis B vaccine	Injection powder: 10-dose vial
Measles vaccine	Injection powder: 10-dose vial
Pentavalent vaccine	Injection: Conjugate vaccine for diphtheria, tetanus, whooping cough, hepatitis B, haemophilus influenza type B
Poliomyelitis vaccines (Live-attenuated)	Oral liquid
Tetanus vaccine	Powder for injection: 10-dose vial

*All vaccines should comply with the World Health Organization's requirements for biological substances

23. IN VIVO DIAGNOSTIC AGENTS	
23.1 Endocrine disorders (See Restricted List)	
23.2 Gastric function (See Restricted List)	
23.3 Myasthenia gravis (See Restricted List)	
23.4 Ophthalmic medicines	
Fluorescein	Eye drops: (sodium salt), 1%
23.5 Radiocontrast media	
23.5.1 Alimentary tract	
Barium sulfate	Aqueous liquid
24. OPHTHALMOLOGICAL MEDICINES	
24.1 Anti-infective medicines	
Aciclovir	Eye ointment: 3.0%
Chloramphenicol	Eye drops: 0.5% Eye ointment: 1.0%
Gentamicin	Eye drops: (sulfate) 0.3% Eye ointment: (sulfate) 0.3%
Iodoxuridine	Eye drops: 0.1% Eye ointment: 0.5%
Miconazole	Eye drops: 1% Injection: 10 mg/mL
Oxytetracycline + polymyxin B	Eye ointment: oxytetracycline hydrochloride, 5 mg + polymyxin B (sulfate) 10,000 units
24.2 Anti-inflammatory and anti-allergic medicines	
Antazoline	Eye drops: (antazoline sulphate + 0.5%, xylometazoline hydrochloride 0.05%)
Prednisolone	Eye drops: 1% (acetate), 5% (sodium phosphate)
24.3 Local anaesthetics	
Tetracaine* (amethocaine)	Eye drops: (hydrochloride), 0.5%
24.4 Miotics and antiglaucoma medicines	
24.4.1 Systemic medicines	
Acetazolamide	Tablet: 250 mg Injection: (sodium salt), 500 mg vial
24.4.2 Topical medicines	
Pilocarpine	Eye drops: (hydrochloride), 1%, 2%, 3%, 4%
Timolol	Eye drops: (maleate), 0.25%, 0.5%
24.5 Mydriatic medicines	
Atropine	Eye drops: (sulfate), 0.5%, 1.0%
Homatropine	Eye drops: (hydrobromide), 1%, 2%
Phenylephrine	Eye drops: (hydrochloride), 0.25%, 0.5%, 2.5%, 10%
Tropicamide	Eye drops: 0.5%, 1%

24.6 Diagnostic eye medicines	
Fluorescein sodium	Eye drops: (sodium salt), 1%, 2%
24.7 Miscellaneous eye preparation	
Methylcellulose	Eye drops: 1%, 2%
*Not for use in preterm neonates	
25. OXYTOCICS AND TOCOLYTICS	
Ergometrine	Injection: (maleate), 0.5 mg/mL Tablet: (maleate), 500 micrograms
Misoprostol	Tablet: 200 micrograms
Oxytocin	Injection: 5 units, 10 units / mL in ampoules
Salbutamol	Injection: (sulfate), 500 micrograms/mL, 1 mg/mL Oral liquid: (sulfate), 2 mg/5 mL Tablet: (sulfate), 2 mg, 4 mg
26. PREPARATIONS FOR CORRECTING WATER ELECTROLYTE AND ACID -BASE DISTURBANCES	
26.1 Oral preparations	
Oral Rehydration Salts	See 20.6.1
Potassium chloride	Oral liquid: 5%, 10%, 20% Tablet: slow release, 600 mg
26.2 Parenteral preparations	
Darrow's solution	Injection: B.P., half strength, full strength
Glucose	Injection: 5%, 10%, 50%
Glucose + sodium chloride	Injection: 4.3% + 0.18%, 5.0% + 0.9%
Mannitol	Injection: 10%, 20%
Potassium chloride	Injection: 15% (equivalent to K ⁺ 2mmol/mL and Cl ⁻ 2 mmol/mL)
Ringer's solution	Injection: B.P.
Sodium chloride	Injection: 0.9% isotonic (Na ⁺ 154 mmol/L, Cl ⁻ 154 mmol/L) Injection: 0.45% isotonic (Na ⁺ 77 mmol/L, Cl ⁻ 77 mmol/L)
Sodium hydrogen carbonate (Sodium bicarbonate)	Injection: 8.4% in 10-mL, ampoule (Na ⁺ 1000 mmol/L, HCO ₃ ⁻ 1000 mmol/L)
Sodium lactate	Injection: Na ⁺ 131 mmol/L, K ⁺ 5 mmol/L, Ca ²⁺ 2 mmol/L, HCO ₃ ⁻ as lactate 29 mmol/L, Cl ⁻ 111 mmol/L
26.3 Miscellaneous	
Water for injection	Injection: 2 mL, 5 mL, 10 mL, 20 mL, 50-mL ampoule or , vial
27. PSYCHOTHERAPEUTIC MEDICINES	
27.1 Antidotes to antipsychotic medicines	
Benzhexol (trihexyphenidyl)	Tablet: (hydrochloride), 2 mg, 5 mg
Biperiden	Injection: (lactate), 5 mg/mL in 1-mL ampoule Tablet: (hydrochloride), 2 mg
27.2 Medicines used in generalized anxiety	
Diazepam	Tablet: (scored), 2 mg, 5 mg

27.3 Medicines used in mood disorders	
27.3.1 Medicines used in depressive disorders	
Amitriptyline	Tablet: (hydrochloride), 25 mg
Fluoxetine	Solid oral dosage forms: (hydrochloride), 20 mg
27.3.2 Medicines used in bipolar disorders	
Carbamazepine	Tablet: (scored), 100 mg, 200 mg
Valproic acid (sodium valproate)	Tablet: (enteric-coated), 200mg, 500mg
27.4 Medicines used for obsessive compulsive disorders and panic attacks	
Clomipramine	Capsule: (hydrochloride), 10 mg, 25 mg
27.5 Medicines used in psychotic disorders	
Chlorpromazine	Injection: (hydrochloride), 25 mg/mL in 2-mL ampoule Oral liquid: (hydrochloride) 25 mg/5 mL Tablet: (hydrochloride), 100 mg
Fluphenazine	Injection: (decanoate), 25 mg in 1-mL ampoule
Haloperidol	Injection: (decanoate), 5 mg in 1-mL ampoule Tablet: 2 mg, 5 mg
Risperidone	Tablet: 0.5 mg, 1 mg, 2 mg, 3 mg, 4 mg
27.6 Medicines used in substance dependence programmes (See Restricted List)	
Buprenorphine**	
Metadone**	
Naltrexone**	

** For use only within an established support programme

28. VITAMINS AND MINERALS	
28.1 Vitamins	
Ascorbic acid (vitamin C)	Oral liquid: 100 mg/5 mL Tablet: 100 mg
Cyanocobalamin (vitamin B ₁₂)	50 micrograms
Ergocalciferol	Capsule: tablet, 10,000 units, 50,000 units Oral liquid: 250 micrograms/mL
Folic acid	Tablet: , 400 microgram, 5 mg
Hydroxycobalamin	Injection: 0.25 mg/mL, 1 mg/mL, ampoule
Pyridoxine (vitamin B ₆)	Tablet: (hydrochloride), 10 mg, 20 mg, 50 mg
Retinol (vitamin A)	Capsule/tablet: 5,000 units; 25,000 units; 50,000 units; 100,000 units; 200,000 units
Riboflavin (vitamin B ₂)	Tablet: 5 mg
Thiamine (Vitamin B ₁)	Tablet: (hydrochloride), 25 mg, 50 mg
Vitamin B Complex*	Oral liquid and Injection
28.2 Minerals	
Calcium salt	Tablet: (gluconate), 600 mg Injection: (gluconate), 10%
Sodium fluoride	Tablet: 2.2 mg equivalent to 1 mg of fluoride ion

*Various safe combinations are acceptable (see Appendix 1 for the approved strengths of various Vitamins)

29.0 FOR MANAGEMENT OF INCOMPLETE ABORTION AND MISCARRIAGE (See Restricted List)
30.0 URINARY AND ERECTILE DYSFUNCTION (See Restricted List)

**THE PRIMARY HEALTH CARE LIST
(HEALTH CENTRES)**

ANAESTHETICS (LOCAL)	
Lidocaine	Topical, injection
ANALGESICS	
Acetylsalicylic Acid*	Tablet
Ibuprofen	Tablet, capsule
Paracetamol	Oral liquid, tablet, suppository
*Not for children, use with caution in adults	
ANTI-ALLERGICS	
Chlorphenamine	Oral liquid, tablet
Epinephrine (Adrenaline)	Injection
Promethazine	Tablet, oral liquid
ANTICONVULSANTS	
Diazepam**	Injection
Paraldehyde**	Injection
Phenobarbital	Tablet
**Use with extra caution	
ANTIDOTES	
Atropine	Injection
Charcoal (activated)	Powder
ANTIHYPERTENSIVE MEDICINES	
Amlodipine	Tablet
Amiloride	Tablet
Hydrochlorothiazide	Tablet
ANTI-INFECTIVE MEDICINES	
<i>Antibacterial medicines</i>	
Amoxicillin	Capsule, dry powder for suspension, dispersible tablets
Benzathine Penicillin	Injection
Benzyl penicillin	Injection
Co-trimoxazole	Tablet, oral liquid
Erythromycin	Tablet, suspension
Gentamicin	Injection
Nitrofurantoin	Tablet
Phenoxyethylpenicillin	Tablet
Tetracycline*	Capsule
<i>Antileprosy</i>	
Clofazimine	Capsule
Dapsone	Tablet
Rifampicin	Capsule or tablet
<i>Amoebicide</i>	
Metronidazole	Tablet
<i>Anthelmintics</i>	

Albendazole	Oral liquid, tablet
Praziquantel	Tablet
Pyrantel	Oral liquid, tablet
Antifilarial	
Diethylcarbimazine	Tablet
Ivermectin	Tablet
Antimalarials	
Artemether + lumefantrine	Oral liquid, tablet
Artesunate	Injection, suppositories
Artesunate + amodiaquine	Tablet
Clindamycin***	Capsule
Quinine**	Injection
Pyrimethamine + sulfadoxine	Tablet, Oral liquid
Anti-tuberculosis medicines	
Ethambutol	Tablet
Isoniazid	Tablet
Pyrazinamide	Tablet
Rifabutin	Capsule, tablet
Rifampicin	Capsule, tablet

* Not recommended for children and pregnant women

** Intramuscular, for pre-referral treatment only

*** Use only with Quinine in first trimester of pregnancy

ANTISEPTICS AND DISINFECTANTS	
Benzoïn	Compound tincture
Chlorhexidine	Solution/gel
Iodine	Solution
Methylated spirit	Solution
Sodium hypochlorite	Solution
CARDIOVASCULAR MEDICINES	
Nifedipine	Tablet
Hydrochlorothiazide/amiloride	Tablet

DERMATOLOGICAL MEDICINES	
Benzoic acid + salicylic acid (Whitfield's)	Ointment
Benzoyl peroxide	Cream/gel
Benzyl benzoate	Emulsion
Calamine	Lotion
Gentamicin	Ointment
Methyl salicylate	Ointment
Neomycin + Bacitracin	Ointment, powder
Nystatin	Ointment, cream
Zinc oxide	Ointment

MEDICINES AFFECTING THE BLOOD	
Ferrous salts	Oral liquid, tablet
Folic acid	Tablet

DIAGNOSTIC AGENT	
Rapid Diagnostic Tests	Various kits for malaria
Tuberculin	Injection, PPD

DRESSINGS AND MEDICAL DEVICES	
Absorbent gauze bandages	
Cotton wool (absorbent)	
Disposable gloves	
Disposable syringes	2 mL with needles (19, 21 Gauge) 5 mL with needles (19, 21 Gauge)
EAR, NOSE AND THROAT MEDICINES	
Chloramphenicol	Ear drops
GASTRO-INTESTINAL MEDICINES	
Hydrocortisone + lidocaine	Suppository
Hyoscine N-butylbromide	Tablet
Magnesium trisilicate	Compound tablet, oral liquid
Oral Rehydration Salts	Low Osmolarity Oral Rehydration Salts,co-packed with Zn
Senna	Tablet
Zinc	Oral liquid, tablet
HORMONES AND SYNTHETIC SUBSTITUTES	
Barrier methods	Condoms with or without spermicide
Oral contraceptives	Tablet
IMMUNOLOGICALS	
Anti-snake bite serum	Injection
Anti-tetanus immunoglobulin (human)	Injection
BCG vaccine	Injection
Diphtheria + pertussis + tetanus vaccine	Injection
Measles vaccine	Injection
Poliomyelitis vaccine	Oral liquid
Rabies immunoglobulin	Injection
Tetanus vaccine	Injection
OPHTHALMOLOGICAL MEDICINES	
Chloramphenicol	Eye drops, ointment
Chlortetracycline	Eye ointment
OXYTOCIC	
Ergometrine	Tablet, injection
Misoprostol	Tablet, vaginal tablet
Oxytocin	Injection
PSYCHOTHERAPEUTIC MEDICINES	
Chlorpromazine	Injection
RESPIRATORY MEDICINES	
Beclomethasone	Inhaler
Salbutamol	Tablet, inhaler
VITAMINS AND MINERALS	

Ascorbic acid (Vitamin C)	Tablet
Calcium gluconate	Injection
Calcium lactate	Tablet
Folic acid	Tablet
Vitamin A	Capsule

MISCELLANEOUS	
Water for injection	Injection
Spatulas	

**THE PRIMARY HEALTH CARE LIST
(PRIMARY HEALTH CLINICS)**

ANAESTHETICS (LOCAL)	
Lidocaine	Topical, injection
ANALGESICS	
Acetylsalicylic Acid*	Tablet
Ibuprofen	Tablet
Paracetamol	Oral liquid, tablet
*Not for children, use with caution in adults	
ANTI-ALLERGENICS	
Chlorphenamine	Oral liquid, tablet
Epinephrine (Adrenaline)	Injection
Promethazine	Tablet, oral liquid
ANTICONVULSANTS	
Diazepam**	Injection
Paraldehyde**	Injection
Phenobarbital	Tablet
**Use with extra caution	
ANTIDOTES	
Atropine	Injection
Charcoal (activated)	Powder
ANTIHYPERTENSIVE MEDICINES	
Amlodipine	Tablet
Amiloride	Tablet
Hydrochlorothiazide	Tablet
ANTI-INFECTIVE MEDICINES	
<i>Antibacterial medicines</i>	
Amoxicillin	Dispersible tablets
Co-trimoxazole	Tablet, oral liquid (For people with penicillin sensitivity)
<i>Amoebicide</i>	
Metronidazole	Tablet
<i>Anthelmintics</i>	
Mebendazole	Oral liquid, tablet
<i>Antimalarials</i>	
Artemether + lumefantrine	Oral liquid, tablet
Artesunate	Suppositories
Artesunate + amodiaquine	Tablet
Pyrimethamine + sulfadoxine	Tablet, Oral liquid
ANTISEPTICS AND DISINFECTANTS	
Benzoin	Compound tincture
Chlorhexidine	Solution/gel
Iodine	Solution

Methylated spirit	Solution
Sodium hypochlorite	Solution

DERMATOLOGICAL MEDICINES

Benzoic acid + salicylic acid (Whitfield's)	Ointment
Benzoyl peroxide	Cream/gel
Benzyl benzoate	Emulsion
Calamine	Lotion
Gentamicin	Ointment
Methyl salicylate	Ointment
Zinc oxide	Ointment

MEDICINES AFFECTING THE BLOOD

Ferrous salts	Oral liquid, tablet
Folic acid	Tablet

DIAGNOSTIC AGENT

Rapid Diagnostic Tests	Various kits for malaria
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DRESSINGS AND MEDICAL DEVICES

Absorbent gauze bandages	
Cotton wool (absorbent)	
Disposable gloves	
Disposable syringes	2 mL with needles (19, 21 Gauge) 5 mL with needles (19, 21 Gauge)

EAR, NOSE AND THROAT MEDICINES

Chloramphenicol	Ear drops
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GASTRO-INTESTINAL MEDICINES

Hyoscine N-butylbromide	Tablet
Magnesium trisilicate	Compound tablet, oral liquid
Oral rehydration salts	Low Osmolarity Oral Rehydration Salts, co-packed with Zn
Senna	Tablet
Zinc	Oral liquid, tablet

HORMONES AND SYNTHETIC SUBSTITUTES

Barrier methods	Condoms with or without spermicide
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IMMUNOLOGICALS

Tetanus vaccine	Injection
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OPHTHALMOLOGICAL MEDICINES

Chloramphenicol	Eye drops, ointment
Chlortetracycline	Eye ointment

OXYTOIC

Ergometrine	Tablet, injection
Misoprostol	Tablet, Vaginal tablet
Oxytocin	Injection

RESPIRATORY MEDICINES	
Beclomethasone	Inhaler
Salbutamol	Tablet, inhaler

VITAMINS AND MINERALS	
Ascorbic acid (Vitamin C)	Tablet
Calcium salts	Tablet
Folic acid	Tablet
Vitamin A	Capsule

MISCELLANEOUS	
Water for injection	Injection
Spatulas	

**THE PRIMARY HEALTH CARE LIST
(HEALTH POSTS)**

Absorbent gauze	Dressing
Amoxicillin	Dispersible tablets
Artemether + lumefantrine	Oral liquid, tablet
Artesunate + amodiaquine	Tablet
Benzyl benzoate	Emulsion
Calamine lotion	Lotion
Chlorhexidine	Solution/gel
Clinical Thermometer	
Condoms	Barrier methods
Cotton wool / crepe bandages	Dressing
Ferrous salts	Tablet
Folic acid	Tablet
Methyl salicylate	Ointment
Methylated spirit	Solution
Paracetamol	Oral liquid
Oral Rehydration Salts	Low Osmolarity Oral Rehydration Salts,co-packed with Zn
Plastic aprons	
Povidone iodine	Tincture
Rapid Diagnostic Test	Various kits for malaria
Salicylic acid + Benzoic acid (Whitfield's)	Ointment
Surgical Blades	
Zinc	Oral liquid, tablet
Zinc oxide plaster	Dressing

*** Not for children**

LIST OF PRODUCTS TO BE STOCKED AND SOLD BY PATENT MEDICINE VENDOR

ANALGESICS AND ANTIPIRETTICS	
Acetylsalicylic acid (aspirin)	Capsule/tablet: 300 mg
Ibuprofen	Capsule/tablet: 200 mg, 400 mg
Paracetamol	Oral liquid: 125 mg/5 mL Tablets: 125 mg, 500 mg
ANTHELMINTHICS	
Levamisole	Oral liquid: 40 mg/5 mL Tablet: 40 mg
Mebendazole	Oral liquid: 100 mg/5 mL Tablet: 100 mg
ANTACID MEDICINES	
Aluminium hydroxide	Oral liquid, tablet
Magnesium trisilicate	Oral liquid: 100 mL, 200 mL Compound tablet
ANTI-ANAEMIA MEDICINES	
Ferric ammonium citrate	Oral liquid: 400 mg/5 mL
Ferrous salts	Capsule/tablet
Folic acid	Tablet: 5 mg
ANTI-DIARRHOEAL MEDICINES	
Low osmolarity oral rehydration salts	Low Osmolarity Oral Rehydration Salts, co-packed with zinc sulphate tablets: 20.5 g ORS (sodium chloride 2.6 g, potassium chloride 1.5 g, sodium citrate 2.9 g, dextrose 13.5 g)+ 20 mg dispersible zinc sulfate
Zinc (sulphate) + Low Osmolarity Oral Rehydration Salts	Low Osmolarity Oral Rehydration Salts, co-packed with zinc sulphate tablets: 20.5 g ORS (sodium chloride 2.6 g, potassium chloride 1.5 g, sodium citrate 2.9 g, dextrose 13.5 g)+ 20 mg dispersible zinc sulfate
ANTIMALARIALS	
Artesunate + amodiaquine	Oral liquid: 15 mg + 90 mg in 5 mL Tablet: 25 mg + 67.5 mg, 50 mg+ 135 mg, 100 mg + 270 mg
Artemether + lumefantrine	Tablet: 20 mg + 120 mg
Sulphadoxine + pyrimethamine	500 mg + 25 mg tablet/syrup (per 5ml)
ANTI EFFECTIVE MEDICINES	
Amoxicillin*	Dispersible tablet: 125mg and 250mg
ANTISEPTIC AND DISINFECTANT SOLUTIONS	
Benzoin	Compound tincture
Cetrimide + chlorhexidine	Solution: 15% + 1.5%
Chlorhexidine gluconate	Solution: 5% for dilution
Chorhexidine	Gel: 4% in 25g (Umbilical cord care)
Chloroxylenol	Solution: 5% (for dilution)
Dichloroxylenol + chlorophenol	Soap, solution
Methylated spirit	50 mL, 100 mL
Povidone iodine	Solution: 30 mL, 60 mL
Sodium hypochlorite	10%, 250 mL, 500 mL
COLD RELIEF	
Chlorphenamine maleate	Tablet: 4 mg (10s) Syrup: 2 mg per mL
Diphenhydramine preparations	
CONTRACEPTIVES	
Condoms	
Foaming tablets	
DERMATOLOGICALS	
Anti-infective Medicines	
Gentian violet	Tincture: 1%
Silver sulphadiazine	Cream: 1%
Antipruritic and astringent Medicines	

*UNCoLSC

Calamine	Lotion
Calamine + zinc oxide	Lotion, plaster
Fungicides	
Benzoic acid plus salicylic acid (Whitfield's)	Ointment: (6% + 3%) ration 2:1
Clotrimazole	Cream, dusting powder, ointment, 1%
Selenium sulfide	Shampoo: 2.5%
Keratolytic and keratoplastic medicines	
Coal tar	Solution/ointment USP
Salicylic acid	Ointment: 2.5%, Solution: 12% in flexible collodion
Scabicides and pediculicides	
Benzyl benzoate	Emulsion: 25%
Monosulfiram	Solution/ soap: 25%
DRESSINGS	
Absorbent gauze	
Cotton/crepe bandages	
Cotton wool	
Elastic plaster dressings	
Dusting powder	Zinc, starch and talc dusting powder with or without menthol
MOUTHWASH	
Hexetidine solution	0.1%
NON-SPECIFIC (GENERAL) ANTIDOTES	
Charcoal, activated	Powder/granules: 5 g, sachet Tablet: 1 g
RUBEFACIENTS AND INHALERS	
Methyl salicylate compound preparations	Balm, cream, embrocation, liniment, rubs, ointment, oil and inhaler
PURGATIVE MEDICINES	
Magnesium hydroxide	Oral liquid: 8% hydrated magnesium oxide
Magnesium sulphate	Granules: sachets, 5 g Oral liquid: 4 g in 10 mL
Senna	Granules, tablets
THROAT ANTISEPTIC PREPARATIONS	
Dequalinium hydrochloride	Lozenges: 250 mg
Domiphen bromide	Lozenges: 1.5 mg
Hexetidine	Mouthwash/gargle, 0.1%
Menthol + ascorbic acid + hydrous citric acid	Lozenges: (0.09% + 2.9412% + 0.8332% respectively)
Menthol + eucalyptus oil + camphor + thymol	Lozenges: (0.207% + 0.069% + 0.0007% + 0.0007% respectively)
VITAMINS, MINERALS AND NUTRITIONALS	
Ascorbic acid (Vitamin C)	Oral liquid: 100 mg in 5 mL Tablets: 100 mg
Calcium salts	Tablets: (gluconate), 600 mg Tablets: (lactate), 300 mg
Cod liver oil	Capsules, oral liquid
Folic acid	Tablet: 5 mg
Glucose	Powder for oral use
Multivitamins	Capsule, drop, oral liquid, tablet
Vitamin B complex	Oral liquid, tablet

APPENDIX 1: APPROVED DOSES FOR VITAMINS

Vitamin	Age Group/Physiological State	Daily Dosage
Biotin	Adults	100 - 300 mg
Folic acid	Children Adults	40 - 200 micrograms 200 - 5000 micrograms
Nicotinamide	Adults Deficiency: Adults	15 - 30 mg (prophylaxis) 50 - 250 mg (therapeutic)
Pantothenic acid	Children Adults	0.5 - 3.5 mg 1 - 7 mg
Vitamin A	Children Adults Pregnancy Lactation Deficiency	1,500 - 5,000 units 5,000 - 10,000 units 5,000 - 6,000 units 5,000 - 10,000 units 25,000 - 50,000 units
Vitamin B ₁ (thiamine)	Children Adult Deficiency: Children Adults	0.3 - 1 mg 1 - 1.3 mg 5 - 50 mg 200 - 300 mg
Vitamin B ₂ (riboflavin)	Children Adults Deficiency: Adults	1 - 1.8 mg 0.3 - 1 mg 5 - 30 mg
Vitamins	Age Group/Physiological State	Daily Dosage
Vitamin B ₆ (pyridoxine hydrochloride)	Children Adults Deficiency: Children Adults	0.3 - 0.6 mg 1 - 2 mg 20 - 50 mg 50 - 400 mg
Vitamin B ₁₂ (cyanocobalamin)	Children Adults Deficiency: Adults	0.3 - 2 micrograms 2 - 3 micrograms 50 - 1,000 micrograms
Vitamin C (ascorbic acid)	Children Adults	50 - 200 mg 250 - 1,000 mg
Vitamin D (cholecalciferol)	Children Adults	2.5 - 5 micrograms 25 - 50 micrograms
Vitamin E	Children Adults Deficiency: Children	3 - 15 mg 50 - 200 mg 1000 - 2000 mg

* Formulations containing various specified amounts of vitamins are accepted provided the formulations satisfy the vitamin requirements of the age and the physiological state of the intended user.

APPENDIX 2: RESTRICTED MEDICINES LIST

2.4 Non-steroidal anti-inflammatory, gout and rheumatoid medicines	
Etanercept	Injection: 25 mg, 50 mg prefilled syringes
Leflunomide	Tablets: 10 mg, 20 mg, 100 mg
Rituximab	Injection: 10 mg/mL in 10-mL vials
Sulfasalazine	Tablet: 500 mg
Sulfipyrazone	Capsules/tablets: 100 mg, 200 mg
5.1 Amoebicide	
Diloxanide	Tablet: (furoate), 500 mg
5.2.2 Antifilarials	
Diethylcarbamazine	Tablet: (citrate) 50 mg
5.2.3 Antischistosomal and other antitrepatode medicines	
Eflornithine	Injection: (hydrochloride), 200 mg/mL in 100-mL bottle
Nifortimox	Tablet: 30 mg, 120 mg, 250 mg
5.3 Antibacterial Medicine	
Chloramphenicol	Capsule: 250 mg Injection powder: (sodium succinate), 1 g Oral liquid: (palmitate), 150 mg /5 mL
Ofloxacin	Capsule/tablet: 200 mg Injection: 100 mg in 50 mL, 200 mg in 100 mL
5.7 Antimalarial medicine	
5.7.1 Prophylaxis	
Atovaquone/Proguanil combination	Tablet: 250 mg atovaquone plus 100 mg proguanil (hydrochloride) for adult; 62 mg atovaquone plus 25 mg proguanil for children
Hydroxychloroquine	Tablet: 200 mg
Mefloquine	Tablet: (hydrochloride), 250 mg
Proguanil	Tablet: (hydrochloride), 100 mg
5.7.2 Treatment	
Chloroquine	Tablet: (sulfate or phosphate) 200 mg base
5.9 Anti-tuberculosis medicines (Programme Medicines)*	
Kanamycin (Km)	
Amikacin (Am)	
Capreomycin (Cm)	
Streptomycin (S)	
Levofloxacin (Lfx)	
Moxifloxacin (Mfx)	
Gatifloxacin Gfx	
Ethionamide (Eto)	
Prothionamide (Pto)	
Cycloserine (Cs)	
Terizidone (Trd)	
P-aminosalicylic acid (PAS)	
Clofazimine (Cfz)	
Linezolid (Lzd)	
Thiacetazone (Th)	
Imipenem/Cilastatin (Ipm/Cln)	
Bedaquiline (Bdq)	
Delamanid (Dlm);	
7. ANTINEOPLASTIC AND IMMUNOSUPPRESSIVE MEDICINES	
Bicalutanide	Tablet: 50 mg
Buserelin	Injection: (acetate), 1 mg/mL in 5.5 mL vial Nasal spray: (acetate), 150 micrograms / metered spray
Degarelix	Injection powder: (acetate), 80 mg, 120 mg vials
Docetaxel	Injection: 10 mg/mL Injection powder: 20 mg, 80 mg
Flutamide	Tablet: 250 mg
Goserelin	Injection: (acetate), 3.6 mg in prefilled syringe

Leuprolide	Injection: (acetate), 1 mg/0.2 mL
Mechlorethamine	Injection powder: 10 mg vial
Zolendronic acid	Injection: 5 mg/100 mL
10.4 Medicines used in heart failure	
Carvedilol	Tablet: 12.5 mg, 25 mg
5.10 Antiviral medicines	
Pegylated Interferonalpha-2b	Injection powder: 3,000,000 to 9,000,000 units
Ribavirin	Capsule/tablet: 200 mg, 400 mg Oral liquid: 200 mg/5 mL
5.11 Systemic antifungal medicines	
Terbinafine	Tablet: (hydrochloride), 250 mg
10.4 Medicines used in heart failure	
Dobutamine	Injection: (hydrochloride), 5 mg/mL in 50-mL vial
Dopamine	Injection: (hydrochloride), 40 mg/mL in 5-mL vial
11.2 Local anaesthetics	
Prilocaine	Injection: 3% with felypressin 0.03 units / mL
12.4 Anti-inflammatory and antipruritic Medicines	
Clobetasol	Cream, ointment: (propionate), 0.05%
Doxepin	Capsule: (hydrochloride), 10 mg, 25 mg, 50 mg, 75 mg
Fluocinolone	Cream, ointment: (acetone), 0.025%
Ketotifen	Tablet: 1 mg
12.1 Anti-acne medicines	
Tretinoin	Cream: 0.025%, 0.05%
12.7 Psoriasis and vitiligo medicines	
8-Methylpsoralen	Capsule: 10 mg Lotion: 10 mg/mL
Tacrolimus	Capsule: 0.5 mg, 1 mg, 3 mg, 5 mg
Tazarotene	Cream/gel: 0.05%, 0.1%
12.8 Scabicides and pediculicides	
Crotamiton	
12.9 Sunscreen agents	
Aminobenzoic acid	Cream: 5% Lotion: 5% Paste: 5%
Titanium dioxide	Cream: 20 - 25% Paste: 20 - 25%
16.1 Anti-anaemia Medicines	
Iron dextran	Injection: equivalent to 50 mg iron / mL, in 2-mL ampoule
18.2 Antihistamines	
Cinnarizine	Tablet: 15 mg
20.2 Anti-emetic medicines	
Cyclizine	Tablet: 25 mg
21.1 Adrenal hormones and synthetic substitutes	
Fludrocortisone	Tablet: 0.1 mg
Methylprednisolone	Injection: (acetate), 40 mg / mL in 1-mL, 2-mL
21.4 Androgens	
Mesterolone	Tablet: 25 mg
Testosterone	Injection: (enanthate) 200 mg in 1-mL ampoule
21.5 Estrogens	
Diethylstilboestrol	Tablet: 0.5 mg, 1 mg, 5 mg, 25 mg
21.5 Medicines acting on pituitary-ovarian axis	
Chorionic gonadotropin	Injection powder: 500 units, 1000 units, ampoule
Danazol	Capsules: 100 mg, 200 mg
Epimestrol	Tablet: 5 mg
Follicle-stimulating hormone (FSH) + luteinizing hormone (LH)	Injection powder: 75 units + 75 units
21.7.2 Thyroid hormone	
Triiodothyronine	Tablet: 5 micrograms, 10 micrograms, 25 micrograms
21.8 Antidiuretic hormones	

Desmopressin	Injection: 4 micrograms / mL Intranasal solution: 100 micrograms / mL Nasal spray: 10 micrograms/metered spray
Octreotide	Injection: (acetate), 50 micrograms/mL, 100 micrograms/mL in 1-mL ampoules
Vasopressin	Injection: 20 units / mL in 1-mL ampoule
21.9 Other hormone inhibitors	
Aminoglutethimide	Tablet: 250 mg
Mifepristone	Tablet: 300 mg
23.1 Diagnostic agents for endocrine disorders	
Luteinizing hormone-releasing hormone (LH-RH)	Injection: 0.1 mg / mL in 1- mL ampoule
Metirapone	Capsule/tablet: 250 mg
Thyrotropin releasing hormone (TRH)	Injection: 0.2 mg / mL and 5-mL vials/
Triamcinolone	Injection: (acetanide), 10 mg / mL, 40 mg
23.2 Diagnostic agents for gastric function	
Histamine phosphate	Injection: 1 mg / mL, ampoule
Pengrastrin	Injection: 0.25 mg / mL ampoule
Tetracosactide	Injection: (acetate) 1 mg / mL
23.3 Diagnostic agent for myasthenia gravis	
Edrophonium	Injection: (chloride), 10 mg / mL
24.1 Anti-infective medicines	
Ofloxacin	Tablet: 200 mg, 400 mg
24.2 Anti-inflammatory and anti-allergic medicines	
Ketotifen	Eye drops: 0.035%
Olopatadine	Eye drops: 0.1%, 0.2%
24.4.2 Topical antiglaucoma medicines	
Dipivefrin	Eye drops: 0.1%
27.3.2 Medicines used in bipolar disorders	
Lithium carbonate	Capsule, tablet: 300 mg
Pimozide	Tablet: 4 mg, 10 mg
27.6 Medicines used in substance dependence programmes	
Buprenorphine	Tablet: 150 micrograms, 300 micrograms, 400 micrograms, 600 micrograms
Hydromorphone	Tablet: (hydrochloride), 2 mg, 4 mg
Methadone	Injection: 10 mg/mL in 1-mL ampoule Tablet: (hydrochloride), 5 mg
Naltrexone	Tablet: 50 mg
Oxycodone	Injection: (hydrochloride), 10 mg/mL in 1-mL ampoule Tablet: (hydrochloride), 5 mg, 7.5 mg Tablet: (extended release), 10 mg, 20 mg, 40 mg
29.0 FOR MANAGEMENT OF INCOMPLETE ABORTION AND MISCARRIAGE	
Misoprostol	Tablet: 200 micrograms Pessary: 25 micrograms
30.0 URINARY AND ERECTILE DYSFUNCTION	
Alfuzosin	Tablet: 10 mg
Bethanecol	Tablet: 10 mg, 25 mg
Finasteride	Tablet: 5 mg
Sildenafil	Tablet: 25 mg, 50 mg, 100 mg

* Doses and combinations of medicines used by programmes often vary

ADDENDUM TO THE CURRENT ESSENTIAL MEDICINE LIST (SIXTH EDITION, 2016)

5. ANTI-INFECTIVE MEDICINES	
5.3 ANTIBACTERIAL MEDICINES	
Ampicillin	Injection: Ampicillin for infant 0-59days of Age IV Ampicillin (40mg/kg/dose 6 hourly) Level of Healthcare: All levels
Cefpodoxime	Oral Antibiotics for neonatal sepsis. Tablet: 10mg/kg/day in 2 divided doses for 5-7days Suspension: 40mg/5ml For Adult: 200mg-400mg twice daily for 10 days
★ 5.10 ANTITUBERCULOSIS MEDICINES	
First line Anti - Tuberculosis Medicines List	
Patient Kit (Cat1)	Tablet: 4-FDC (Rifampicin 150mg/Isoniazid 75mg/Pyrazinamide 400mg/ Ethambutol 275mg) + 2-FDC (Rifampicin 150mg/ isoniazid 75mg)
Ethambutol/Isoniazid	Tablet: 2-FDC (400mg+150mg)
Isoniazid/Pyrazinamide/ Rifampicin	Tablet: 3 FDC (50mg+150mg+75mg)
Isoniazid/Rifampicin	Dispersible Tablet: 2FDC (50mg+75mg)
Pyrazinamide	Tablet: 500mg, 400mg
Second Line Anti -Tuberculosis Medicines List (Restricted Medicines)	
Kanamycin	<i>Injection: Igm, 500mg</i>
Capreomycin	<i>Injection: Igm, 500mg</i>
Prothionamide	Tablet: 250mg
Cycloserine	Tablet: 250mg
Levofloxacin	Tablet: 250mg
Moxifloxacin	Tablet: 400mg
Ethionamide (Eto)	Tablet: 250mg
Imipenem/Cilastatin (Imp/Ctn)	Imipenem- Inj 500mg/Cilastatin –tab 500mg
Clofazimine	Tablet: 50mg, 100mg
Pyridoxine (VitB6)	Tablet: 50mg, 100mg
Bedaquiline	Tablet. 100mg
Dalamanide	Tablet. 100mg, 50mg
Linezolid	Tablet. 600mg
Powder Para amino salicylate	60%w/w
★★ 5.11 ANTIRETROVIRAL (ARV) MEDICINES	
5.11.1.1 REGIMENS ADULT 1ST LINE	
Tenofovir/Lamivudine/Efavirenz (Preferred regimen)	Tablet. 300/300/600mg (FDC) 0.D
Tenofovir/lamivudine/Dolutegravir ^ (Alternative regimen)	Tablet. 300/300/50mg (FDC) 0.D

Abacavir/Lamivudine+Efavirenz (Alternative regimen)	Tablet. 600/300mg+600mg O.D
Tenofovir/Lamivudine/Efavirenz (Alternative regimen)	Tablet. 300/300/400mg (FDC) O.D
Zidovudine/Lamivudine/Nevirapine (Alternative regimen)	Tablet: 300/150/200mg (FDC) O.D
^ This regimen not recommended for pregnant women and TB patients on Rifampicin	
5.11.1.2 Regimen: Adult 2nd Line	
Zidovudine/lamivudine+Atazanavir/Ritonavir	Tablet: 300/150mg 1 b.d+300/100mg O.D Note: If 1st line was TDF based
Zidovudine/Lamivudine+Lopinavir/Ritonavir	Tablet: 300/150mg 1b.d +200/50mg 2 b.d Note: If 1st line was TDF based
Tenofovir/Lamivudine+Atazanavir/Ritonavir	Tablet: 300/300mg 1 o.d +300/100mg O.D Note: If 1st line was AZT based
Tenofovir/Lamivudine+Lopinavir/Ritonavir (Preferred if patient undergoing/require treatment for TB)	Tablet: 300/300mg 1o.d +200/50mg 2b.d Note:If 1st line was AZT based
Tenofovir/Lamivudine+Zidovudine+Atazanavir/Ritonavir	Tablet: 300/300mg 1o.d + 300mg 1b.d + 300/100mg O.D Note: Good for Hepatitis B
5.11.1.3 Regimen: Adult 3rd Line	
Tenofovir/Lamivudine+Dolutegravir+ Darunavir/Ritonavir*	Tablet: 300/300mg 1 o.d +50mg 1o.d + 600/100mg 1 b.d Note: Genotyping important before choosing regimen
Zidovudine/Lamivudine+Etravirine+Dolutegravir/Ritonavir	Tablet: 300/150mg 1 b.d +100mg 1o.d +600/100mg O.D Note: Genotyping important before choosing regimen
* DRV/r available as single DRV and Ritonavir	
5.11.1.4 Regimen-Paediatric 1st Line	
Abacavir/ Lamivudine+Lopinavir/Ritonavir	Tablet: 60/30mg +40/10mg (for children less than 3years)
Zidovudine/Lamivudine+Lopinavir/Ritonavir	Tablet: 60/30mg +40/10mg (for children less than 3years)
Abacavir / Lamivudine+Nevirapine	Tablet: 60/30mg + 50mg/5ml (for children less than 3years)
Zidovudine/lamivudine + Nevirapine	Tablet: 60//30mg +50mg/5ml(for children less than 3years)
Abacavir / Lamivudine + Raltegravir	Tablet: 60/30mg +25mg (for children less than 3years)
Abacavir / Lamivudine + Efavirenz	Tablet. 60/30mg +200mg(for children 3-10 years)
Abacavir /Lamivudine + Nevirapine	Tablet. 60/30mg +50mg/5ml(for children 3-10 years)

Abacavir/Lamivudine + Nevirapine	Tablet. 60/30mg +50mg/5ml(for children 3-10 years)
Zidovudine/Lamivudine / Nevirapine	Tablet: 150/150/200mg (FDC) (for children 3-10 years)
Zidovudine/Lamivudine/Efavirenz	Tablet: 150/150/200mg (FDC) (for children 3-10 years)
Tenofovir/Lamivudine/Efavirenz	Tablet: 300/300/600MG(FDC) (for 10-19years)
Tenofovir/lamivudine/Dolutegravir	Tablet: 300/300/50mg(FDC) (for 10-19 years)
5.11.5. Regimens- Paediatric Second Line	
Abacavir/Lamivudine / Raltegravir	Tablet: 60/30mg + 25mg (Regimes are used for pediatric patients under 3 who might have failed from LPV/r based first line)
Zidovudine+Lamivudine + Raltegravir	Tablet: 60/30mg + 25mg (Regimes are used for pediatric patients under 3 who might have failed from LPV/r based first line)
Abacavir / Lamivudine+Lopinavir/Ritonavir	Tablet: 60/30mg + 100/25mg (For patients that didn't use ABC and LPV/r in 1st line therapy)
Zidovudine/Lamivudine+Lopinavir/Ritonavir	Tablet: 60/30mg + 100/25mg (For patients that didn't use AZT and LPV/r in 1st line therapy)
Tenofovir/Lamivudine+Lopinavir/Ritonavir	Tablet: 300/300mg + 100/25mg (Regimen mainly for adolescents)

FDC: Fixed Dose Combination . Dose of all pediatric product is based on the age range of the child

★ As represented in the programme

★★ As represented in the programme

List of drugs used for HIV

- i. Tenofovir+Lamivudine+Efavirenz (TDF/3TC/EFV) 300/300/600mg
- ii. Tenofovir+lamivudine+Dolutegravir(TDF/3TC/DTG) 300/300/50mg
- iii. Abacavir + Lamivudine(ABC/3TC) 600/300mg
- iv. Zidovudine(AZT) Susp 50/5ml
- v. Raltegravir (RAL) 25mg
- vi. Darunavir /Ritonavir (DRV/r) 600/100mg
- vii. Etravirine 100mg
- viii. Efavirenz 600mg
- ix. Zidovudine+Lamivudine (AZT/3TC)e 600//150mg
- x. Atazanavir/Ritonavir(ATV/r) 300/100mg
- xi. Lopinavir/Ritonavir (LPV/r) 200/50mg
- xi. Lopinavir/Ritonavir (LPV/r)100/25mg
- xii. Tenofovir+Lamivudine (TDF/3TC) 300/300mg
- xiii. Lopinavir/Ritonavir (LPV/r) 40/10mg

21. ENDOCRINE MEDICINES	
21.2 Antidiabetic medicines	
21.2.1 Insulin(Recombinant Human Insulin Analogue)	
Insulin Glulisine (Rapid acting Insulin Analogue)	Injection: Insulin Glulisine is an ideal partner to once daily Insulin Glargine 300 IU/3ml INJ Pen 1000 IU/10ml INJ Vial 300 IU/3ml IJN Cartridge
24. OPHTHALMOLOGICAL MEDICINES	
24.1 ANTI-INFECTIVE MEDICINES	
Erythromycin	Eye ointment : Eye care prophylaxis in Ophthalmia neonatorum (ON) 0.5% w/w erythromycin oint.
28. VITAMINS AND MINERALS	
28.1 VITAMINS	
Vit. K ₁ (Phytonadione)	Prophylaxis for Haemorrhagic Disease of Newborn (HDN) Injection:2mg/ml Level of Healthcare: All levels
VITAMIN A	Vitamin A capsule, single-use 100,000 IU for children 6-11months (Blue), 200,000 IU for children 12-59months (Red) for 4-6 months interval as preventive measure, Pack of 500 capsules.
31.0. MISCELLANEOUS	
31.1. THE 6 NUTRITION COMMODITIES FOR MALNOURISHED CHILDREN	
31.1.1 THERAPEUTIC MILK FORMULA 75(F75)	A sachet is 410g to be mixed with 2Litres of water to get 2.4Ltr. (The recommendation is to mix 1 level scoopful of F75 therapeutic milk powder with 20 ml of drinking water). Energy density = approx. 75 kcal/100ml. Presentation is 20 sachets per carton
31.1.2 THERAPEUTIC MILK FORMULA 100(F100)	A sachet is 456g to be mixed with 2Litres of water to get 2.4Ltr. (The recommendation is to mix 1 level scoopful of F100 therapeutic milk powder with 20 ml of drinking water). Energy density = 100-110 kcal/100ml. Presentation is 30 sachets per carton
31.1.3 MICRONUTRIENT POWDER (MNP)	Multiple micronutrient powder, single-use 1-gram sachet, pack of 100 sachets. As preventive measure for Complementary feeding.

<p>31.1.4 VITAMIN A CAPSULES</p>	<p>Vitamin A capsule, single-use 100,000 IU for children 6-11months (Blue), 200,000 IU for children 12-59months (Red) for 4-6 months interval as preventive measure, pack of 500 capsules.</p>
<p>31.1.5 READY-TO-USE THERAPEUTIC FOOD (RUTF)</p>	<p>Plumpy' nut as a sachet of 500 Kcal (92 g); BP 100 as a biscuit of one bar (two tablets-2x28.4g) of BP-100 contains 300 kcal or 1,254 kJ, which is comparable to 300 ml F-100 milk. Presentation: Packed at 150 sachets/Carton</p>
<p>31.1.6 REHYDRATION SOLUTION FOR SEVERE MALNUTRITION (RESOMAL)</p>	<p>ReSoMal (ORS for severely malnourished), 84 g sachet for 2 litres which contains 45 mmol/L sodium and 40 mmol/L potassium , Packed in a carton of 130 sachets</p>

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