



ETHIOPIAN ESSENTIAL MEDICINES LIST

SIXTH EDITION
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Ministry of Health/Ethiopian Food and Drug
Authority

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Acronyms

AMR:	Antimicrobial Resistance
AMS:	Antimicrobial stewardship
AWaRe:	Access, Watch, Reserve
AAUCHS	Addis Ababa University College of Health Sciences
CHAI	Clinton Health Access initiative
DR-TB:	Drug Resistant Tuberculosis
EFDA:	Ethiopian Food and Drug administration
EEML:	Ethiopian Essential Medicine List
EPSA:	Ethiopian Pharmaceuticals Supply Agency
JSI	John Snow Inc
MOH:	Ministry of Health
MTaPS:	Medical supplies and pharmaceuticals service program
PMED:	Pharmaceutical and medical equipment directorate
RHB	Regional Health Bureau
SPHMMC	Saint Paul Hospital Millennium Medical College
STG:	Standard Treatment Guideline
TASH	Tikur Anbessa Specialized hospital
TB:	Tuberculosis
TWG:	Technical Working Group
USAID	United States Aid for International Development
WHO:	World Health Organization

Acknowledgement

The Ministry of Health and Ethiopian Food and Drug Authority would like to acknowledge every member that was involved in the revision of the EEML, for their commitment and unreserved effort in finalizing the task in a very short period of time during this Pandemic period.

This EEML revision wouldn't be possible without the involvement of the development partners and the Ministry of Health and Ethiopian Food and Drug Authority recognized, USAID/MTaPS and CHAI for their technical and financial support; WHO, GHSC-PSM and JSI for their technical support throughout this revision process.

Our special thanks go to the USAID/MTaPS for the technical and financial support provided in editing, proof reading and printing of the EML.

Foreword- Message from EFDA

Regular availability of safe, effective and quality medicines are backbone of the provision of healthcare services at all levels. Such issues and the rational use of medicines is well addressed in the Ethiopian government documents, the Health Policy, the Drug Policy and proclamations. Ethiopia used to publish the National Essential Drug List for more than three decades. The first Edition was published by the then medicine regulatory section of the ministry of health in 1987 GC. As the science of medicine and pharmacy is dynamic that necessitate regular periodic revision, such revision had been conducted and the last version was the 2014GC fifth edition of the National Essential Medicines list. Though revision of this fifth edition is a bit delayed it gave us chance to explore areas extensively and enriching of our legal basis. Proclamation 1112/2019 article 4.7 stipulates: *EFDA prepare and as necessary, revise list of essential medicines,... whenever necessary.*

Cognizant to this, the National Essential Medicine List is hereby revised for the six time, following series of consultative workshops, posting the draft on different websites including EFDA as well as based on scientific evidences and experiences in the different disciplines. We believe that this is an important tool to be as a reference for ensuring access, be it through public, private or donation. Hence, providers, purchasers and regulators of health service are advised to use the list, consider that these are focus areas to provide services in different areas. There are many changes from the previous edition. Among others, Antimicrobial Resistance is the global and National threat whereby this revised edition categorized antibiotics into Access, Watch and Reserve (AWaRe), new therapeutic classes included, addition and deletion of medicines in the different chapters.

Finally, I would like to express my heart felted gratitude to all those who directly participated in the revision process: the staff of MOH, EFDA, Technical Working Group, development partners, the participants of the review workshops as well as those indirectly involved to extended their mind and hands in the revising and printing of the list. Let me take this opportunity to encourage health professionals and interested parties to continue their usual support in updating the list by forwarding comments and suggestions to the Ethiopia Food and Drug Authority.

Heran Gerba,

Director General, Ethiopian Food and Drug Authority (EFDA)

Foreword- Message from Ministry of Health

Pharmacotherapy has always been an integral part of health care system and will remain so in the future. This relies on the availability of safe, effective and affordable medicines with the required quality, in reasonable amount. Moreover, on the rational prescribing, dispensing and use of such medicines. Ethiopian drug policy ensures that medicines which are required for prevention, diagnosis, treatment, mitigation and rehabilitation of diseases affecting the majority of Ethiopian people have to be identified and classified to respective levels of health service delivery.

The National Essential Medicine List is hereby revised for the sixth time in light of the above principle. Hence, users of this medicines list are advised to refer to the list whenever they provide the services indifferent area. It gives us great pleasure to introduce this edition of the list to all beneficiaries, which is the fruit of the joint effort of the MOH/PMED, EFDA, development partners as well as the participants of the review workshops. We hope that this list will serve as useful guide for the procurement and to satisfy the majority public medicine need.

Finally, we would like to express our gratitude to all those who have directly or indirectly extended their helping hands in the revising and printing of the list.

Yakob Seman.

Director General, Medical Service General Directorate, MOH

Synopsis

The Ministry of Health (MOH) and Ethiopian Food and Drug Authority (EFDA) established a multidisciplinary team of professionals, namely the Ethiopian Essential Medicines List (EEML) Review Technical Working Groups (TWG), Core team members, Expert consultants from different Health facilities in reviewing and ensuring that the EEML is based on the most current information, both globally and nationally. The EEML review convened a series of meetings and discussions with a variety of medical specialists as well as internal and external consultation and validation meetings to obtain this final product.

In this EEML 2020, medicines are listed by 24 major therapeutic categories within which there are 73 subcategories of which, three major categories and six sub-therapeutic categories newly incorporated. Within each category, medicines appear in alphabetical order and with the appropriate dosage forms indicated. The listing does not imply preference for one medicine over another. A new categorization of antibiotics into Access, Watch and Reserve (AWaRe) classes was introduced to guide and emphasize the importance of the rational use of antibiotics in line with global guidance provided by the World Health Organization (WHO).

The National Essential Medicine List will serve as a useful tool for: healthcare financing and medicines supply budgeting; procurement, supply and distribution; managing donations, promoting appropriate use of medicines and satisfying the majority of public needs. All health workers at all levels are encouraged to make use of the EEML and the document should be updated every two years. In addition to the printed version, digital platforms, including application versions should be made available in future editions.

Introduction

The provision of complete healthcare service by health facilities necessitates the availability of safe, effective and affordable medicines of the required quality, in adequate quantity at all times. There are vast numbers of medicine in the market. Availing all this medicine in a certain country will never be a wise chose as well the cost of those medicine is unaffordable. Therefore, for insuring the availability of the safe, effective and good quality medicines, limiting the number of medicine used in a country is necessary. Hence, essential medicine list is a minimum list that aims to enhance access to essential medicines in the existing national health care systems. It is one of the safeguard to ensure accessibility of safe, effective and quality medicine at service delivery points. It has also a key role in the promotion of rational medicines use. Considering the above concept and the majority population need preparation of essential medicine list is vital for assuring availability of medicines.

The EEML 2020, has benchmarked different national and global guidelines and evidence-based approaches. The revision process passed through the following steps:

- Establishing of technical working group,
- Developing working documents such as Guide for EML revision, Medicine Selection criteria by TWG.
- Preparing zero draft list
- Forming of core technical team
- Involving expertise for consultation
- Seeking consultation from health facilities, academic institutions and regional health bureaus
- Aligning with the STG, which is under revision
- Reviewing of final EEML by TWG
- Editing and formatting of the final version of the EEML

Finalization of the document and editorial work was undertaken to produce a print ready form for approval by the MoH and EFDA leadership.

The EEML was revised based on the concept of World Health Organization (WHO) model list. Medicines were carefully and systematically selected using an evidence-based approach with due consideration of public health relevance, efficacy and safety, comparative cost-benefit, availability of medicines in the country. Accordingly, addition, deletion, or change/modifications was made to

the previous edition of the EML. The EEML contains 610 medicines, as compared to the previous edition which contains 484 medicines. The categories were similar to the previous edition except the addition of three new major categories and six sub categories. The newly added major categories include medicines for benign prostate hyperplasia, vaccines and radio contrast media.

The following materials have been used as a source document while revising the EEML- 2020.

1. National viral hepatitis management guideline for Hepatitis C Virus (November, 2019)
2. National guideline for prevention and control of viral hepatitis (2016-2020)
3. National guideline for TB, DR-TB and Leprosy in Ethiopia, 6th edition (August, 2018)
4. National Malaria Guideline (March, 2018)
5. National consolidated Guideline for comprehensive HIV prevention, care and treatment (August, 2018)
6. WHO Model List 21st edition (Adults) and 7th edition (Children) of 2019
7. The 2019 WHO AWaRe Classification of Antibiotics for Evaluation and Monitoring of use (WHO/EMP/IAU/2019.11)
8. National Essential Medicine List (5th edition, 2014)
9. Guideline for Diagnosis, Treatment and Prevention of Leishmaniasis in Ethiopia, 2nd edition (June, 2013)
10. National Comprehensive Guidelines for Clinical and Programmatic Management of Major Non-Communicable Diseases (February, 2016)
11. Ethiopian Pharmaceuticals Supply Agency (EPSA) Procurement lists (2018)
12. Ethiopian Health Insurance Agency Medicine list(1st edition, 2016)

Medicines are listed by their International Non-proprietary Names /generic name in alphabetical order. The WHO concept of Access, Watch and Reserve (AWaRe) classification has been considered for antibiotics.

Unlike the previous edition, the current EEML was prepared jointly by MoH and EFDA, in collaboration with other stakeholders. The global coronavirus (COVID-19) pandemic, internet interruptions, weak response and engagement from some stakeholders, national antimicrobial resistance (AMR) surveillance data; were among the challenges faced in the revision of the EEML.

This medicine list shall be of benefit to all health care facilities. Hence, shall be updated every two years and be widely accessible in both electronic and printed forms.

AWaRe classification of antibiotics

AWaRe stands for ACCESS, WATCH and RESERVE. It is an antibiotic classification system introduced in 2019 by WHO. This EEML-2020 has adopted WHO's AWaRe classification with modifications based prevailing healthcare delivery system and expertise opinion. It includes 33 core or prototype antibiotics classified as Access (16), Watch (10) or Reserve (7), based on their pharmacological classes (Table 1).

ACCESS group antibiotics have activity against a wide range of commonly encountered susceptible pathogens while showing lower resistance potential than antibiotics in Watch and Reserve groups. They are widely used empiric treatment options as first- or second -choice for specific infectious syndromes like upper respiratory tract infections (if indicated), community acquired pneumonia in the outpatient settings, surgical prophylaxis, progressive apical dental abscess, etc. As a result they should be widely accessible, affordable and quality assured. They are expected to account ≥ 60 % the institutional antimicrobial consumption (guide for surveillance).

WATCH group antibiotics have higher resistance potential and include most of the highest priority agents among the Critically Important Antimicrobials (CIA) for Human Medicine and/or antibiotics that are at relatively high risk of selection of bacterial resistance. They are widely used empiric treatment options as first- or second -choice for specific serious infectious syndromes. As a result, they should be prioritized as key targets of hospital stewardship programs and monitoring. They are expected to account less than 40 % the institutional antimicrobial consumption (guide for surveillance).

RESERVE group antibiotics should be reserved for treatment of confirmed or suspected infections due to multi drug-resistant organisms, and treated as "last-resort" options. However, they should be accessible, but their use should be tailored to highly specific patients and settings, when all alternatives have failed or are not suitable. Reserve group antibiotics must be protected and prioritized as key targets of hospital stewardship programs, involving monitoring and

utilization reporting, to preserve their effectiveness. They are recommended to be used for “High Priority” pathogens notably carbapenem resistant Enterobacteriaceae.

This AWARe classification is aimed to promote rational antibiotic use and provide a tool for antimicrobial stewardship (AMS) activities and monitoring of antimicrobial consumption. Hence, its implementation aims to improve the health facility and national antibiotic consumption goal, i.e. increasing the proportion of Access group antibiotics consumption to at least 60%, and to reduce use of the antibiotics most at risk of resistance from the Watch and Reserve groups.

Table1: AWARe classification of antibiotics in the EEML-2020

Group			
	<p><u>Access</u></p> <ol style="list-style-type: none"> 1. Amoxicillin 2. Amoxicillin + Clavulanic Acid 3. Ampicillin 4. Penicillin G, Benzathine 5. Penicillin G, Sodium Crystalline 6. Cloxacillin 7. Cephalexin 8. Cefazolin 9. Azithromycin 10. Clarithromycin 11. Sulphamethoxazole + Trimethoprim 12. Nitrofurantoin 13. Norfloxacin 14. Gentamicin 15. Metronidazole 16. Doxycycline 	<p><u>Watch</u></p> <ol style="list-style-type: none"> 1. Ampicillin + Sulbactam 2. Cefuroxime 3. Cefixime 4. Cefpodoxime Cefotaxime Sodium 5. Ceftriaxone 6. Ceftazidime 7. Cefepime 8. Ceftriaxone + sulbactam 9. Ciprofloxacin 10. Clindamycin 	<p><u>Reserve</u></p> <ol style="list-style-type: none"> 1. Piperacillin + tazobactam 2. Meropenem 3. Meropenem + Vaborbactam 4. Ceftazidime + Avibactam 5. Colistin 6. Polymyxin B <p>Vancmycin</p>

References

Executive summary: the selection and use of essential medicines 2019. Geneva: World Health Organization; 2019.

<https://adoptaware.org/>

PHARMACOTHERAPEUTIC CLASSIFICATION OF MEDICINES

GI.000.GASTROINTESTINAL MEDICINES		
GI.100 Antacids		
S.no	Generic name	Dosage Form and Strength
1	Aluminum Hydroxide + Magnesium Hydroxide + Simethicone	Suspension, (225mg + 200mg + 25mg)/5ml Chewable tablet 200mg + 200mg + 25mg
2	Aluminum Hydroxide + Magnesium Trisilicate	Tab2let (chewable), 120mg + 250 mg
GI.200 Antiulcer agents		
1	Cimetidine	Injection, 200mg/ml in 2ml ampoule
2	Omeprazole	Tablet/Capsule: 10 mg; 20 mg; Powder for injection: 40 mg in vial Powder for oral liquid: 20 mg; 40 mg sachets
3	Ranitidine	Tablet, 150 mg Injection: 25 mg/ mL (as hydrochloride) in 2- mL ampoule. Oral liquid: 75 mg/5 mL (as hydrochloride). Tablet: 150 mg (as hydrochloride)
GI.300. Medicines for Upper GI bleeding		
1	Octreotide	Injection, 50mcg/ml; 100mcg/ml
2	Omeprazole	Powder for injection: 40 mg in vial
3	Pantoprazole	Tablet, 40mg
4	Propranolol	Tablet, 20mg
GI.400. Antispasmodics/ Spasmolytics analgesics		
1	Hyoscine (Scopolamine) Butyl bromide	Injection, 20mg/ml Tablet, 10mg syrup, 5mg/5ml
2	Hyoscine (Scopolamine) Hydrobromide	Injection, 0.4mg/ml, 0.6mg/ml in 1ml ampoule Tablet, 0.6mg
GI.500. Antiemetics		
1	Chlorpromazine Hydrochloride	Drops, 25mg/ml Tablet, 25mg,
2	Dimenhydrinate	Tablet, 50mg
3	Dexamethasone	Injection 4mg/ml
4	Meclizine Hydrochloride+ Vitamin B6	Tablet, 25mg+50mg
5	Metoclopramide Hydrochloride	Drops, 0.2mg/drop Injection, 5mg/ml, 5mg/2ml in 2ml ampoule Syrup, 5mg/5ml Tablet, 10mg
6	Ondansetron	Injection, 2 mg/ml in 2 ml Oral liquid, 4 mg base/5 mL Tablet, 4 mg *Aprepitant can be used as alternatives

GI.600. Cathartics and Laxatives		
1	Bisacodyl	Suppository, 5mg, 10mg Tablet, 5mg, 10mg
2	Castor oil	Liquid, 30ml, 60ml
3	Glycerin	Suppository, 1gm, 1.36gm, 2gm, 2.76gm
4	Lactulose	Enema, (300ml Lactulose + 700ml Water) Oral solution, 10g/15ml
5	Polyethylene Glycol (PEG)	Powder, 17gm per oral dose
GI.700. Medicine used for Diarrhea management		
1	Loperamide	Tablet/Capsule, 2mg
2	Oral Rehydration Salt	Powder, each sachet for 1 liter contains: <u>Gram/Liter mmol/L</u> Sodium 2.6 Sodium 75 Glucose Anhydrase 13.5 Chloride 65 Potassium Chloride 1.5 Glucose Anhydrase 75 Trisodium Citrate Dehydrate 2.9 Potassium 20 Citrate 10 Total Osmolarity = 245
3	Zinc Sulphate*	Tablet (dispersible), 10mg, 20mg Oral liquid, 10mg/unit
	* In acute diarrhea zinc sulfate should be used as an adjunct to oral rehydration salts (co-packaged ORS/zinc)	
4	ReSoMal	Rehydration solution each sachet for 2 liter contains Glucose 125 Sodium 45 Potassium 40 Chloride 70 Total Osmolarity 294meq/L
GI.800. Antiflatulents		
1	Simethicone*	Tablet, 80mg (chewable) Oral drop, 40mg/ml, 66.6mg/ml, *combination with alverin citrate is recommended *antacid-containing simethicone formulations are also recommended
GI.900. Antihaemorrhoidal Agents		
1	Betamethasone Valerate+ Phenylephrine HCl + Lidocaine HCl	Ointment, 0.5mg+1mg+25mg
2	Hydrocortisone + Framycetin + Cinchocaine + Esculoside	Suppository, 5mg + 10mg + 5mg + 10mg Ointment, 15g/30g
GI.1000. Medicines used for Inflammatory Bowel Disease		
1	Sulfasalazine	Tablet, 500mg
2	Azathioprine	Tablet, 50mg Powder for injection, 100mg
3	Methylprednisolone	Injection (as sodium succinate), 40mg/ml, 80mg/ml

CV.000.CARDIOVASCULAR MEDICINES

CV.100. Medicines for Heart Failure

1	Enalapril*	Tablet, 2.5mg, 5mg, 10mg *Lisinopril can be used as alternatives
2	Captopril	Tablet, 12.5mg
3	Digoxin	Elixir, 0.05mg/ml Injection, 0.25 mg/ml in 2ml ampoule Tablet, 0.25mg
4	Candesartan *	Tablet 4mg, 8mg, 16mg *Valsartan and losartan can be used as alternatives.
5	Spirolactone	Tablet, 25mg
6	Furosemide	Injection, 10 mg/ml in 2ml ampoule Oral liquid, 20 mg/5ml Tablet, 20mg, 40 mg
7	Hydrochlorothiazide	Oral liquid: 50 mg/5ml Tablet, 25mg
8	Norepinephrine	Injection, 1mg/1ml
9	Nitroglycerine	Injection, 5mg/ml
10	Metoprolol succinate	Tablet, 25mg, 50mg,100mg

CV.200 Antiarrhythmics

1	Adenosine	Injection, 3mg/ml
2	Amiodarone	Tablet, 100mg, 200mg, 400mg Injection, 50mg/ml
3	Atropine *	Injection, 0.1mg/ml, 1mg/ml Isoprenaline can be used as alternative
4	Digoxin	Elixir, 0.05mg/ml Injection, 0.25 mg/ml in 2mlampoule Tablet, 0.25mg
5	Lidocaine Hydrochloride	Injection, 5mg/ml, 10mg/ml, 20mg/ml in 20ml vial *Procainamide can be used as alternative
6	Metoprolol	Injection, 1mg/ml,5mg/ml Tablet, 25mg, 50mg *Propranolol, carvedilol, and bisoprolol can be used as alternatives
7	Verapamil	Injection, 2.5mg/ml in 2ml ampoule Tablet, 40mg, 80mg

CV.300 Antihypertensive

1	Amlodipine*	Tablet, 2.5mg, 5mg, 10mg
2	Nifedipine	Tablet, 20mg, 40mg
3	Candesartan	Tablet, 8mg,16mg *losartan, valsartan, and other Angiotensin receptor 1 inhibitors (ARBs) can be used as alternatives.
4	Lisinopril*	Tablet, 5mg, 10mg, 20mg

		*captopril, Enalapril, & other ACEIs can be used as alternatives
5	Hydralazine	Injection, 20mg/ml in 1ml ampoule
6	Labetalol	Injection, 5mg/ml, 100mg/20ml
7	Carvedilol	Tablet, 12.5mg, 25mg
8	Metoprolol succinate	Tablet, 25mg, 50mg
9	Methyldopa	Tablet, 250mg,
CV.400. Diuretics		
1	Furosemide	Injection, 10mg/ml in 2ml ampoule Tablet, 40mg Oral liquid, 20 mg/5ml
2	Hydrochlorothiazide*	Tablet, 25mg *Indapamide can be used as alternative
3	Mannitol	Injection, 10% , 20%
4	Spironolactone	Tablet, 25mg
CV.500. Medicines used for Angina/Ischemic Heart Disease		
1	Metoprolol → its salt	Tablet(succinate) , 25mg, 50mg Injection (tartarate), 1mg/ml,5mg/ml * Atenolol and Carvedilol can be used as alternatives
2	Glyceryl Trinitrate (Nitroglycerine)*	Tablet (sublingual), 0.3mg, 0.5mg Tablet (Sustained release), 2.5mg Spray, 400mcg/spray* *Isosorbidedinitrate can be used as alternative
3	Verapamil	Tablet, 40mg, 80mg
CV.600.Medicine used for vascular shock		
1	Adrenaline (Epinephrine)	Injection: 1 mg (as hydrochloride or hydrogen tartrate) in 1- mL ampoule. Injection: 100 micrograms/ mL (as acid tartrate or hydrochloride) in 10- mL ampoule
2	Dopamine Hydrochloride*	Injection, 40mg/ml *Dobutamine can be used as alternative
3	Noradrenaline	Injection, 1mg/ml (4ml ampoule)
CV.700.Medicines used for Pulmonary Hypertension		
1	Sildenafil Citrate	Tablet, 25mg, 50mg Suspension, 10mg/ml
2	Bosentan	Tablet, 62.5mg, 125mg
CV.800.Antilipedemic Agents		
1	Atrovastatin*	Tablet, 20mg, 40mg,80mg *Simvastatin and Rosuvastatin, can be used as alternatives
2	Mega-3-fatty acid	Capsule, 1gm
CV.900. Antiplatelet		
1	Acetylsalicylic acid	Tablet, 75mg, 81 mg, 100 mg, 300mg enteric coated
2	Clopidogrel	Tablet, 75mg

CV.1000. Thrombolytic Agents		
1	Alteplase	Powder for injection: 10 mg; 20 mg; 50 mg in vial
2	Streptokinase	Powder for injection: 1.5 million IU in vial
RE.000. RESPIRATORY MEDICINES		
RE.100. Antitussive/Expectorant		
1	Dextromethorphan Hydrobromide	Syrup, 15mg/5ml
2	Paracetamol + Chlorpheniramine + Pseudoephedrine	Syrup, 160mg + 1mg + 15mg /5ml Tablet, 500mg + 1.25mg + 30 mg
3	Guaifenesin	Syrup, 100mg/5ml
RE.200. Anti-asthmatic medicines and medicines for chronic obstructive pulmonary disease		
1	Aminophylline	Injection, 250mg/10ml in 10ml
2	Beclomethasone Dipropionate*	Oral Inhalation (aerosol), 50mcg/dose, 100mcg/dose, 200mcg/dose *Budesonide can be used as alternatives
3	Budesonide + formoterol*	Dry powder inhaler: 80 mcg + 4.5 mcg; 160 mcg + 4.5 mcg; 320 mcg + 9mcg *Fluticasone + Salmeterol can be used as alternatives
4	Ipratropium bromide	Aerosol, 20mcg/metered dose , 40mcg/metered dose inhalation
5	Tiotropium	Powder for inhalation, capsule: 18 micrograms Inhalation solution: 1.25 mcg; 2.5 mcg
6	Salbutamol	Syrup, 2mg/5ml Oral Inhalation (aerosol), 0.1 mg/dose
7	Prednisolone	Tablet, 5mg
8	Hydrocortisone Succinate	Injection: 40mg/ml, 80mg/2ml
RE.300. Medicines for Allergic Rhinitis		
1	Mometasonefuroate*	Nasal spray, 50mcg *Beclomethasone dipropionate nasal spray can be used as alternatives
2	Loratidine*	Tablet, 10mg Oral solution, 1mg/ml *Cetirizine can be used as alternatives
3	Xylometazoline	Nasal drop, 0.05%; 0.1%
RE.400. Medicines for sarcoidosis,Intersitial Lung disease		
1	Prednisolone	Tablet, 5 mg
2	Methotrexate	Tablet ,2.5mg, 5mg
3	Azathioprine*	Tablet, 50 mg *Mycophenolate Mofetil can be used as alternatives
RE.500.Medicine for Apnea of prematurity		
1	Caffeine citrate	Injection: 20 mg/ mL (equivalent to 10 mg caffeine base/ mL). Oral liquid: 20 mg/ mL (equivalent to 10 mg caffeine base/ mL).

AI.000.ANTI-INFECTIVES**AI.100.Antibacterials****AI.101. Penicillines**

1	Amoxicillin (Access)	Capsule, 250mg, 500mg Oral Powder for Suspension, 125mg/5ml, 250mg/5ml Tablet, 125mg, 250mg (Dispersible)
2	Amoxicillin + Clavulanic Acid (Access)	Injection, 500mg +100mg, 1g +200mg Tablet, 500mg +125mg, 875mg +125 mg Oral suspension, 125mg + 31.25mg/5ml, 200mg + 28.5mg/5ml, 250mg + 62.5mg/5ml, 400mg + 57mg/5ml
3	Ampicillin (Access)	Injection (Sodium), 250mg, 500mg, 1g in vial
4	Ampicillin + Sulbactam (Watch)	Powder for injection, 1000mg +500mg)
5	Cloxacillin (Access)	Capsule, 250mg, 500mg Injection, 250mg, 500mg in vial Suspension, 125mg/5ml , 250mg/5ml
6	Penicillin G, Benzathin (Access)	Injection, 0.6 MIU, 1.2 MIU, 2.4 MIU
7	Penicillin G, Sodium Crystalline (Access)	Injection, 1 MIU, 5MIU, 10 MIU
8	Piperacillin + tazobactam (Reserve)	Powder for injection: 2 g (as sodium salt) + 250 mg (as sodium salt); 4 g (as sodium salt) + 500 mg (as sodium salt) in vial

AI.102 .Cephalosporins

1	Cefazolin (Access)	Powder for Injection, 500mg, 1g, 2g
2	Cefotaxime Sodium (Watch)	Injection, 250mg, 0.5g, 1g, in vial
3	Ceftazidime (Watch)	Injection, 0.5g, 1g, 2g in vial
4	Ceftazidime + Avibactam(Reserve)	Powder for injection 2g + 0.5g
5	Cefuroxime (Watch)	Capsule or Tablet, 125mg, 250mg Oral suspension, 125mg/ml
6	Cefixime (Watch)	Tablet, 100mg, 200mg, 400mg Suspension, 100/5ml, 200mg/5ml,500mg/5ml
7	Cefepime(Watch)	Powder for injection, 1 gm
8	Cefpodoxime (Watch)	Tablet, 100mg, 200mg Powder for oral suspension, 40mg/5ml
9	Ceftriaxone (Watch)	Injection, 0.25g, 0.5g, 1g in vial
10	Ceftriaxone + sulbactam (Watch)	Powder injection, 1gm + 500mg
11	Cephalexin (Access)	Capsule, 250mg, 500 mg Syrup, 125mg/5ml, 250mg/5ml

AI.103. Macrolides

1	Azithromycin (access)	Powder for oral suspension, 200mg/ml Tablet or Capsule, 250mg, 500mg
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2	Clarithromycin* (Access)	Powder for Oral suspension, 125mg/5ml, 250mg/5ml Tablet, 500mg Powder for I.V infusion, 500mg/vial *Erythromycin may be an alternative
AI.104. Carbapenems/Imipenem		
1	Meropenem (Reserve)	Powder for injection, 500mg/vial, 1g/ vial
2	Meropenem + Vaborbactam (Reserve)	Powder for injection 1g + 1g in vial
AI.105. Aminoglycosides		
1	Gentamicin (Access)	Injection, 20mg/2ml, 80mg/2ml
2	Neomycin (Reserve)	Tablet, 500mg
AI.106. Fluroquinolones		
1	Ciprofloxacin (Watch)	Iv Infusion (as lactate) 2mg/ml Tablet (as hydrochloride), 250mg, 500mg For oral suspension, 250mg/5ml
2	Norfloxacin (Access)	Tablet, 400mg
AI.107. Tetracycline		
1	Doxycycline (Access)	Tablet/Capsule, 100mg Oral liquid: 25 mg/5 mL; 50 mg/5 mL (anhydrous).
AI.108. Miscellaneous		
1	Colistin (Reserve)	Powder for injection 1M IU
2	Clindamycin (Watch)	Capsule, 75mg, 150mg Injection, 150mg/ml in ampoule Oral solution, 15mg/ml, in 5ml
3	Metronidazole (Access)	Intravenous Infusion, 5mg/ml in 100ml Tablet/Capsule, 250mg, 500mg Oral liquid, 125mg (benzoate)/5ml Suppository: 500mg, 1gm
4	Polymyxin B (Reserve)	Powder for injection 500,000 IU
5	Nitrofurantoin (Access)	Tablet, 100mg
6	Sulphamethoxazole + Trimethoprim (Access)	Tablet: (pediatric), 100mg + 20mg (Dispersible); (adult), 400mg + 80mg; 800mg + 160mg Suspension, 240mg/5ml Injection, 80mg + 16mg/ml (5ml, 10ml, 30ml)
7	Vancomycin (Reserve)	Capsule, 125mg, 250mg Injection, 500mg, 1000mg in vial
AI.109. Anti-tuberculosis drugs		
1	Ethambutol	Tablet: 100 mg to 400 mg Tablet (dispersible): 100 mg
2	Ethambutol + Isoniazid + Pyrazinamide + Rifampicin	Tablet: 275 mg + 75 mg + 400 mg + 150mg
2	Ethambutol + Isoniazid + Rifampicin	Tablet: 275 mg + 75 mg + 150 mg

4	Isoniazid	Oral liquid: 50 mg/5 mL Tablet: 100 mg to 300 mg. Tablet (scored): 50 mg. Tablet (dispersible): 100 mg
5	Isoniazid + Pyrazinamide + Rifampicin	Tablet: 75 mg + 400 mg + 150 mg. Tablet (dispersible): 50 mg + 150 mg + 75 mg.
6	Isoniazid + Rifampicin	Tablet: 75 mg + 150 mg; 150 mg + 300 mg. Tablet (dispersible): 50 mg + 75 mg
7	Pyrazinamide	Oral liquid: 30 mg/ mL. Tablet: 400 mg. Tablet (dispersible): 150 mg. Tablet (scored): 150 mg.
8	Rifabutin	Solid oral dosage form: 150 mg.* * For use only in patients with HIV receiving protease inhibitors
9	Rifampicin	Oral liquid: 20 mg/ ml Solid oral dosage form: 150 mg; 300 mg
NB: The following Medicines for the treatment of multidrug-resistant tuberculosis (MDR-TB) should be used in specialized centers adhering to WHO standards for TB control		
1	Amikacin	Injection, 100mg, 500mg vial
2	Bedaquiline*	Tablet 100mg *Delamanid use as alternatives
3	Capreomycin	Injection, 1gVial
4	Clofazimine	Solid dosage form 50mg,100mg,
5	Cycloserine	Oral solid dosage form 125mg, 250mg
6	Ethionamide*	Tablet 125mg, 250mg, Tablet (dispersible) 125mg * Prothionamide can be used as alternatives
7	Kanamycin	Injection, 1gVial
8	Levofloxacin	Tablet, 250mg, 500mg Tablet (Dispersible) 100mg
9	Linezolid	Injection for IV 2mg/ml in 300ml Powder for Oral liquid 100mg/5ml Tablet 400mg, 600mg Tablet (dispersible) 150 mg
10	Meropenem*	Powder for injection (as trihydrate) 500mg, 1g in vial *Imipenem-cilastatin can be used as alternatives
11	Moxifloxacin	Tablet, 400mg Tablet (dispersible) 100mg
12	P-Aminosalicylic Acid	Granules 4g sachet Tablet 500mg
13	Streptomycine	Powder for injection, 1gm, 5gm base
AI.110.Antileprotic medicines		
1	Clofazimine	Capsule, 50mg, 100mg
2	Dapsone	Tablet, 25mg, 50mg, 100mg

3	Rifampicin	Capsule, 150mg, 300mg, 600mg
AI.200. Antifungals		
1	Amphotericin B	Liposomal Injection, 10mg/ml, 50mg/vial
2	Clotrimazole	Powder, 1% Mouth paint, 1% Tablet (vaginal), 100mg, 500mg
3	Flucytosine	Capsule, 250mg, 500mg IV Infusion, 10mg/ml
4	Fluconazole	Capsule/Tablet, 50mg, 100mg, 200mg Oral liquide, 50mg/5ml, 200mg/5ml Injection: 2 mg/ mL in vial.
5	Griseofulvin	Tablet, 125mg, 250mg Oral suspension, 125mg/5ml
6	Itraconazole	Capsule, 100mg, 200mg Oral solution, 10mg/ml
7	Miconazole	Oral gel, 25mg/ml vial Tablet (vaginal), 200mg
8	Nystatin	Oral Suspension, 100,000units/ml
9	Terbinafine Hydrochloride	Tablet, 125mg, 250mg
10	Voriconazole*	Tablet 50mg, 200mg Powder for injection 200mg in vial Powder for oral liquid 40mg/ml *casprofungin can be used as alternatives
AI.300. Antivirals		
AI.301. Antiretrovirals		
1	Abacavir Sulphate	Tablet 300mg Tablet (dispersible scored) 60mg
2	Abacavir Sulphate /Lamuvudine	Tablet (Dispersible scored), 60mg/30mg, 120mg/60mg
3	Atazanavir/ Ritonavir	Tablet, 300mg/100mg
4	Darunavir	Tablet, 150mg, 400mg, 600mg, 800mg 100mg/ml suspension
5	Doltegravir	Tablet 50mg
6	Dolutegravir + lamivudine + tenofovir	Tablet 50mg + 300mg + 300mg
7	Efavirenz	Capsule, 100mg, 200mg Tablet, 200mg, 600mg
8	Efavirenz + Lamuvudine + Tenofovir	Tablet 400mg + 300mg + 300mg
9	Efavirenz + Emtricitabine + Tenofovir	Tablet, 600mg +200mg +300mg
10	Emtricitabine + Tenofovir	Tablet , 200mg +300mg
11	Lamivudine	Tablet, 150mg Oral Solution, 10mg/ml
12	Lamivudine+ Zidovudine	Tablet, 150mg +300mg, 30mg + 60mg

13	Lopinavir + Ritonavir	Oral suspension, 80mg + 20mg/ml Tablet, 200mg + 50mg; 100mg + 25mg
14	Nevirapine	Syrup, 50mg/ml
15	Raltegravir	Tablet (chewable) 25mg, 100mg Tablet, 400mg Granules for oral suspension 100mg in sachet
16	Zidovudine	Capsule, 100mg, 250mg Tablet, 300mg IV Infusion, 10mg/ml Oral liquide, 50mg/5ml
AI.302. Antihepatitis Medicines		
AI.302.1. Medicines for Hepatitis B		
1	Tenofoviridisoproxil fumarate (TDF)	Tablet: 300 mg (tenofoviridisoproxil fumarate – equivalent to 245 mg tenofoviridisoproxil).
2	Entecavir (ETV)	Tablet, 0.5mg, 1mg Oral solution, 0.05mg/ml
AI.302.2. Medicines for Hepatitis C		
1	Glecaprevir + Pibrentasvir	Tablet: 100 mg + 40 mg
2	Sofosbuvir* +daclatasvir	Tablet: 400 mg +60mg
3	Sofosbuvir + Velpatasvir	Tablet: 400 mg + 100 mg
4	Sofosbuvir + Ledipasvir	Tablet: 400 mg+ 90 mg.
AI.303. Other Antivirals		
1	Acyclovir	Capsule/Tablet, 200mg, 400mg Oral liquid 200mg/5ml Powder for Injection, 250mg, 500mg
2	Ganciclovir	Powder for IV infusion, 500mg/Vial Capsule, 250mg, 500mg
AI.400. Antiprotozoals		
AI.401. Anti-malarial medicines		
1	Artemether	Injection, 20mg/ml, 40mg/ml, 80mg/ml
2	Artemether + Lumefantrine	Tablet, 20mg + 120mg (Dispersible) Tablet, 20mg + 120mg
3	Artesunate	Injection 60mg/ml
4	Chloroquine	Syrup, 50mg base/5ml Tablet, 250mg, 500mg(equivalent to 150mg, 300 mg base)
5	Mefloquine Hydrochloride	Tablet, 250mg
6	Primaquine Phosphate	Tablet, 7.5 mg, 15mg base
7	Quinine- Dihydrochloride	Injection, 300mg/ml in 1ml ampoule Tablet, 300mg, 600mg
8	Doxycycline	Tablet, 100mg
AI.402. Medicines for Amoebiasis		
1	Diloxanide Furoate	Tablet, 500mg
2	Metronidazole	Oral Suspension, 125mg/5ml, 200mg Capsule/Tablet, 250mg Injection 500mg in 100ml vial

3	Tinidazole	Tablet, 500mg
AI.403. Medicines for Giardiasis		
1	Metronidazole	Oral Suspension, 125mg/5ml, 200mg/5ml Tablet/Capsule, 250mg
2	Tinidazole	Tablet, 500mg
AI.404. Antileishmaniasis		
1	Amphotericin B	Liposomal Injection, 10mg/ml, 50mg/vial
2	Miltefosine	Solid oral dosage form 10mg, 50mg
3	Paromomycin	Capsule, 250mg Injection, 375mg/ml, (Sulfate) 2ml/ampoule
4	Sodium Stibogluconate	Injection, 100mg/ml
AI.405. Trypanocides		
1	Pentamidine	Powder for injection (Isethionate), 200mg
2	Suramin Sodium	Powder for Injection, 1gm in vial
AI.406. Medicines for Toxoplasmosis		
1	Clindamycin	Capsule, 75mg, 150mg Injection, 150mg/ml in ampoule Oral Solution, 15mg/ml
2	Pyrimethamine	Tablet, 25mg
3	Sulfamethoxazole + Trimethoprim	Tablet: (pediatric), 100mg + 20mg (Dispersible); (adult), 400mg + 80mg; 800mg + 160mg Suspension, 240mg/5ml Injection, 80mg + 16mg/ml (5ml, 10ml, 30ml)
4	Sulfadiazine + Folinic Acid	Tablet 500mg + 15mg
AI.500. Anthelmintics		
AI. 501. Filaricides		
1	Albendazol	Tablet (chewable), 400mg Oral suspension, 100mg/5ml
2	Diethyl Carbamazine Citrate	Tablet, 50mg
3	Ivermectin	Tablet, 3mg, 6mg (Scored)
AI.502. Schistosomicides		
1	Praziquantel	Tablet, 600mg
AI.503. Other Anthelmintics		
1	Albendazol	Tablet, 200mg, 400mg Oral suspension, 100mg/5ml
2	Piperazine	Elixir (Citrates), 500mg/5ml, 750mg/5ml
3	Mebendazole	100mg, 500mg tablet (chewable) 100mg/5ml syrup
NS.000 CENTRAL NERVOUS SYSTEM MEDICINES		
NS.100 Pain Management and Palliative care		

1	Acetaminophen	Drops, 100mg/ml Injection, 1gm in 100ml Syrup, 120mg/5ml, 250mg/5ml Suppository, 125 mg, 250 mg Tablet,100mg, 500mg
2	Acetylsalicylic Acid	Tablet,300mg, (enteric coated)
3	Diclofenac	Injection, 25mg/ml in 3ml ampoule, 75mg/ml Suppository 12.5mg, 25 mg, 50mg, 100mg Tablet, 25mg, 50mg Gel, 1%w/w
4	Ibuprofen	Syrup/suspension, 100mg/5ml Capsule/Tablet, 400mg
5	Fentanyl	Injection, 50mg/ ml Patch, 2.1mg, 4.2mg
6	Morphine	Injection, 10mg/ml Oral Solution, 10mg/5ml Tablet, 10mg, 30mg
7	Pethidine	Injection, 50mg/ml in 1ml and 2ml ampoule
8	Amitriptyline	Tablet, 10mg, 25mg ,75mg
9	Gabapentin	Tablet , 150mg, 300mg
10	Carbamazepine	Tablet, 100mg, 200mg
11	Tramadol hydrochloride	Injection, 50mg/ml Tablet/Capsule, 50mg, 100mg
NS.200. Antimigraine medicine		
1	Acetylsalicylic Acid	Tablet, 300mg to 500mg
2	Ibuprofen	Tablet, 200mg, 400mg
3	Paracetamol	Tablet, 500mg
4	Propranolol	Tablet, 20mg, 40mg
5	Sumatriptan	Tablet, 25mg, 50mg,100mg
NS.300 Hypnotics and Anxiolytics		
1	Diazepam	Injection, 5mg/ml in 2ml ampoule Syrup, 2mg/5ml Tablet, 2mg, 5mg, 10mg
2	Midazolam hydrochloride	Injection, 1mg/ml, 2mg/ml, 5mg/ml Syrup, 2mg/ml Tablet, 10mg
3	Bromazepam	Tablet, 1.5 mg, 3mg
4	Lorazepam	Injection, 1mg/ml, 4mg/ml Tablet ,0.5mg, 1 mg
NS.400.Antidepressant		
1	Amitriptyline	Tablet, 25mg, 50mg
2	Fluoxetine	Capsule, 20mg
3	Imipramine	Tablet, 10mg, 25mg
4	Sertaline Hydrochloride	Tablet, 50mg, 100mg

		Oral solution
NS.500.Anticonvulsants		
1	Carbamazepine	Syrup, 100mg/5ml Tablet, 100mg, 200mg
2	Clonazepam	Injection, 1mg/ml in 1ml ampule Tablet, 0.5mg, 1mg, 2mg
3	Diazepam	Injection, 10mg/2ml in 2ml ampoule
4	Lamotrigine	Tablet, 25mg, 50mg, 100mg, 200mg
5	Lorazepam	Injection, 1mg, 4mg/ml
6	Magnesium sulphate	Injection, 50% in 20ml
7	Phenytoin (Sodium salt)	Capsule, 50mg, 100mg Injection, 50mg/ml in 5ml vial Powder for injection, 250mg/ vial Tablet, 50mg, 100mg
8	Phenobarbitone(Phenobarbital)	Elixir, 20mg/5ml Injection, 25mg/ml, 100mg/ml Tablet, 15mg, 30mg, 60mg, 100 mg
9	Sodium Valproate	Tablet, 200mg, 500mg Syrup, 200mg/5ml
10	Gabapentin	Tablet, 100, 150mg, 300mg
11	Ethiosuximide	Tablet, 250mg Syrup 250mg/ml
NS.600. Antiparkinson medicines/ Drug Induced movement Disorder		
1	Benzhexol/Trihexphenidyl	Tablet, 2mg, 5mg
2	Levodopa + Carbidopa	Tablet, 100mg +10mg; 250mg +25mg
3	Benzotropine	Tablet 1mg, 2mg
4	Valbenazine	Capsule, 40mg, 80mg
NS.700.Antipsychotic medicines		
1	Chlorpromazine Hydrochloride	Injection, 25mg/ml Tablet, 25mg, 50mg, 100mg
2	Clozapine	Tablet, 25mg, 50mg, 100mg
3	Fluphenazine Decanoate	Injection (Depot. Oily), 25mg/ml
4	Haloperidol	Injection, 5mg/ml Injection (Depot oily), 50mg/ml, 100mg/ml Tablet, 1mg, 2mg, 5mg
5	Olanzapine	Tablet, 5mg
6	Quetiapine	Tablet, 25mg, 100mg, 200mg ER tablet, 100mg, 200mg
7	Risperidone	Tablet, 1mg, 2mg, 3mg, 4mg Powder for injection, 50mg(Depot)
NS.800.Mood stabilizers		
1	Carbamazepine	Syrup, 100mg/5ml Tablet, 100mg, 200mg
2	Lithium Carbonate	Tablet, 300mg
3	Sodium Valproate	Syrup, 200mg/5ml Tablet, 200mg, 500mg

NS.900. Medicines for Substance Abuse and Dependence		
1	Bupropion	Tablet, 75 mg, 100mg
2	Methadone Hydrochloride	Tablet, 5mg, 10mg, 40mg Concentrate for Oral liquid, 5mg/ml, 10mg/ml Oral liquid, 5mg/5ml, 10mg/5ml
3	Naltrexone Hydrochloride	Tablet, 50m g Injection, 380mg/Vial
4	Nicotine Replacement Therapy (NRT)	Chewing Gum, 2mg, 4mg Transdermal Patch, 5mg – 30mg/16hrs, 7mg - 21mg/24hrs
NS.1000. Medicines for Attention Deficit Disorder		
1	Bupropion	Tablet, 75 mg, 100mg
2	Methylphenidate	Tablet, 5mg, 10mg, 20mg
3	Dextroamphetamine	Tablet, 2.5mg,5mg,10mg Oral liquid, 5mg/5ml ER tablet, 10mg,15 mg
AA.000.MEDICINES USED IN ANESTHESIA		
AA.100. General Anesthetics		
1	Etomidate	Injection, 20 mg/ml in 10m & 20ml ampoule
2	Halothane	Inhalation, 250ml
3	Isoflurane*	Inhalation,100ml, 250ml *Sevoflurane can be used as alternatives
4	Ketamine	Injection, 10 mg/ml in 20ml, 50mg/ml
5	Nitrous Oxide	Inhalation
6	Propofol*	Injection (emulsion), 10mg/ml in 20ml *dexmedetomidine can be used as alternatives
7	Fentanyl*	Injection, 50mg/ ml *Remifentanyl can be used as alternatives
8	Thiopental Sodium	Powder for injection, 0.5gm, 1gm in vial
AA.200. Local Anesthetics		
1	Bupivacaine	Injection: 0.25%; 0.5% (hydrochloride) in vial. Injection for spinal anesthesia: 0.5% (hydrochloride) in 4- mL ampoule to be mixed with 7.5% glucose solution
2	Lidocaine Hydrochloride	Injection, 0.5%, 1%, 2%, 5% Jelly, 2% in 30 ml Ointment, 5% in 10gm Spray, 2%, 4%, 10 % in 80g Injection for spinal anesthesia: 5% (hydrochloride) in 2- mL ampoule to be mixed with 7.5% glucose solution
3	Lidocaine Hydrochloride + Adrenaline	Injection, 1% + 1:200, 000 in 20ml vial Injection, 2%+1:200,000 in 20ml vials
AA.300. Anesthetics Adjuncts and Adjuvants		
1	Atropine sulphate	Injection , 1mg/ml

2	Ephedrine Hydrochloride	Injection, 50mg/ml
3	Glycopyrronium	Injection, 0.2mg/ml,
4	Neostigmine	Injection, 0.5mg/ml, 2.5mg/ml in 1ml ampoule
5	Oxygen	Inhalation (Medicinal gas)
6	Paracetamol	Solution for infusion, 10mg/ml
7	Phenylephrine Hydrochloride	Injection, 10mg/ml in 1ml ampoule
AA.400.Neuromesclular blockers		
1	Pancuronium Bromide	Injection, 2mg/ml in 2ml ampoule
2	Suxamethonium Chloride* (Succinylcholine)	Powder for injection, 50mg, 100mg, 500mg Injection, 50mg/ml *Rocuronium can be used as alternatives
3	Cisatracurium	Injection, 2mg/ml *Atracurium can be used as alternatives
4	Vecuronium Bromide	Powder for injection, 10mg in a vial
MS.000.MEDICINES USED IN MUSKULOSKELETAL AND JOINT DISEASE		
MS.100.Antirheumatics		
1	Acetylsalicylic Acid	Tablet, 300mg, 324mg (micro-fined), 500mg(e/c)
2	Diclofenac	Injection, 25mg/ml in 3ml ampoule, 75mg/ml Suppository, 12.5mg, 25mg, 50mg, 100mg Tablet, (e/c coated), 25mg, 50mg, 75mg(s/r)
3	Ibuprofen	Capsule, 300mg Syrup, 100mg/5ml Tablet, 200mg, 400mg (e/c optional)
4	Indomethacin	Suppository, 100mg
MS.200.Medicines used for Gout		
1	Allopurinol	Tablet, 100mg
2	Indomethacin	Capsule, 25mg, 50mg, 75mg
3	Ibuprofen	Capsule, 300mg Syrup, 100mg/5ml Tablet, 200mg, 400mg (e/c optional)
4	Colchicine	Tablet, 0.5mg
MS.300. Disease Modifying Anti-rheumatic Medicine		
1	Methotrexate	Tablet, 2.5 mg, 5 mg, 7.5 mg, 10 mg, 15 mg Powder for Injection, 5 mg, 50mg in vial
2	Sulfasalazine	Tablet, 500mg
3	Chloroquine phosphate	Tablet, 150mg
VT.000.VITAMINS		
VT.100. Vitamin		
1	Ascorbic acid (Vitamin C)	Tablet, 100mg, 500mg
2	Cholecalciferol (Vitamin D3)*	Capsule, 10000iu, 50000iu Injection, 300000iu/ml *Ergocalciferol (D2) can be used as alternatives
3	Cyanocobalamine (Vitamin B12)	Injection, 1mg/ml in 1ml ampoule

4	Folic Acid	Tablet, 1mg, 5mg
5	Phytomenadione (Vitamin K1)	Injection, 1mg/0.5ml, 10mg/ml in 1ml ampoule Tablet, 10mg
6	Pyridoxine Hydrochloride (Vitamin B6)	Tablet, 25mg, 50mg
7	Thiamine Hydrochloride(Vitamin B1)	Tablet, 50mg, 100mg Injection, 50mg/ml in 2ml ampoule
8	Vitamin A	Capsule, 50,000IU, 100,000IU, 200,000IU Injection, 50,000IU/ml

VT.200. Vitamin B-complex Preparation

1	Vitamin B1 + B6 + B12	Tablet/Injection, 100mg +200mg+1000mcg
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VT.300.Multivitamins with Minerals and /or extracts

1	Multivitamin with Minerals and/or Extracts	Tablet, syrup, drops
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AL.000.ANTHISTAMINES

AL.100.Medicines used in Allergy

1	Cetirizine	Oral solution, 1mg/ml, Tablet, 10 mg
2	Chlorpheniramine malate	Tablet, 2mg, 4mg, 6mg Syrup, 2mg/5ml
3	Diphenhydramine hydrochloride	Capsule/Tablet 25mg Elixir, 12.5mg/5ml
4	Loratidine*	Syrup, 5mg/5ml Tablet, 10mg *Desloratidine can be used as alternatives
5	Promethazine Hydrochloride	Elixir, 5mg/5ml Tablet, 25 mg

AL.200.Medicines used in Allergic Emergencies

1	Adrenaline (Epinephrine)	Injection, 0.1% in 1ml ampoule, 1:1000 1mg/ml
2	Dexamethasone	Injection, 4mg/ml
3	Hydrocortisone (Sodium Succinate)	Injection, 50mg/ml
4	Loratadine	Oral liquid: 1 mg/ ml. Tablet: 10 mg.
5	Prednisolone	Oral liquid: 5 mg/ mL Tablet: 5 mg; 25 mg

ED.000.MEDICINES USED IN ENDOCRINE DISORDER AND CONTRACEPTIVES

ED.100.Corticosteriods Preparation

1	Betamethasone	Inject-able suspension, 0.6mg/ml
2	Dexamethasone	Tablet ,0.5mg, 0.75mg, 1mg, 2mg, 4mg Injection, 4mg/ml, 25mg/ml, 50mg/ml

3	Hydrocortisone	Injection (Sodium Succinate), 50mg/ml in 2ml ampoule, 125 mg/ml Tablet (Acetate), 5mg, 10mg, 20mg
4	Methylprednisolone Acetate	Injection (aqueous suspension), 40mg/ml, 80mg/ml in 1ml and 2ml ampoules
5	Prednisolone	Tablet, 1mg, 3.5mg, 5mg, 10mg Injection (Sodium Phosphate), 10mg/ml, 25mg/ml in 2ml ampoule
6	Triamcinolone Acetonide	Injection, 10mg/ml, 40mg/ml in vial Tablet, 4mg
7	Fludrocortisone	Tablet: 100 micrograms (acetate).
ED.200. Thyroid Hormone and Anti-thyroid Agents		
1	Aqueous Iodine Solution (Iodine + Potassium Iodide)	Solution, 5% + 10%
2	Carbimazole	Tablet, 5mg
3	PropylThiouracil (PTU)	Tablet, 25mg, 50mg, 100mg
4	Levothyroxine	Tablet, 0.025mg, 0.05mg, 0.1 mg
5	Propranolol	Tablet, 20mg, 40mg
ED.300. Drugs used for management of Blood Sugar		
1	Glibenclamide*	Tablet, 5mg *Gliclazide can be used as alternative
2	Glimperide	Tablet, 1mg, 2mg
3	Glucagon	Injection, 1mg/ml
4	Insulin	Injection (Soluble /Natural), 100 units/ml in 10ml vial, NPH, 100 units/ml in 10ml vial
5	Metformin	Tablet, 500mg, 1000mg
6	Dapagliflozin	Tablet, 10mg
ED.400. Female sex hormone preparations		
1	Norethindrone (Norethisterone)	Tablet, 5mg
2	Hydroxyprogesterone Caproate	Injection, 250mg/ml in 1ml ampoule
3	Estradiol	Vaginal cream 0.01%
4	Medroxyprogesterone acetate	Tablet: 5 mg.
ED.500. Contraceptives		
ED.501. Combined oral Contraceptives		
1	Levonorgestrel (D-Norgestrel) + Ethinylestradiol with/ without Iron	Tablet, 0.15mg + 0.03mg, 0.25mg + 0.05mg, 0.5mg + 0.05mg, 0.3mg + 0.03mg; 0.05mg + 0.03mg (6tablet), 0.075mg + 0.04mg (5tablet), 0.125mg + 0.03mg (10tablet)
ED.502. Emergency Contraceptive		
1	Levonorgestrel (D-Norgestrel)	Tablet, 0.75mg, 1.5mg
ED.503. Progesterone only contraceptives		
1	Medroxyprogesterone Acetate	Injection, 150mg/ml in 1ml vial
2	Norethindrone	Tablet, 0.35mg
ED.504. Contraceptive Devices and Barriers		
1	Condoms	Male

2	Levonorgestrel-releasing intrauterine system	Intrauterine with reservoir containing 52mg of levonorelrel
3	Copper T380A	
ED.505.Implantable contraceptives		
1	Etonogestrel-releasing implant	Single-rod etonogestrel-releasing implant, containing 68 mg of etonogestrel.
2	levonorgestrel-releasing implant	Two-rod levonorgestrel-releasing implant, each rod containing 75 mg of levonorgestrel (150 mg total).
OG.000.OBSTETRICS AND GYENECOLOGICAL MEDICATIONS		
1	Clomifene citrate	Tablet, 50mg
2	Ergometrin	Injection, 0.2mg/ml
3	Magnesium sulphate	Injection, 50% in 20ml
4	Misoprostol	Vaginal tablet : 0.025mg
5	Misoprostol + Mifeprstone	Tablet, 200mcg + 200mg
6	Pethidine Hydrochloride	Injection, 50mg/ml
7	Dinoprostone (Prostaglandine E2)	Tablet, 3mg
8	Oxytocin	Injection, 10unit/ml
9	nifedipine*	Tablet, 10 mg. *salbutamol 2mg tablet can be use alternatively
10	tranexamic acid	Injection: 100mg/ml in 10ml ampule
11	Caffeine citrate	Injection: 20 mg/ mL
12	Dexamethasone *	Injection, 4mg/ml *bethamethasone will be used alternatively
13	Norethistirone	Tablet, 5mg
BL.000. BLOOD PRODUCTS AND MEDICINES AFFECTING THE BLOOD		
BL.100. Anticoagulants		
1	Heparin (unfractionated heparine)	Injection: 1,000U/ml, 5,000U/ml, 10,000U/ml 12,500U/ml, 25,000U/ml
2	Warfarin Sodium	Tablet: 1mg, 2mg, 5mg
3	Enoxaparin	Injection: 20mg/0.2ml, 40mg/0.4ml, 60mg/0.6ml
4	Rivaroxaban *	Tablet: 10 mg; 15 mg, 20mg * apixaban, edoxaban and dabigatran are alternatives
BL.200. Hemostatic Agents		
1	Phytomenadione (Vitamin K1)	Injection: 1mg/0.5ml, 10mg/ml in 1ml ampoule
BL.300.Antianemic Agents		
1	Cyanocobalamin (Vitamin B12)	Injection, 100mcg/ml, 1000mcg/ml in 1ml ampoule
2	Ferrous Salt	Capsule, Drop, Tablet (e/c) (WHO recommended dose)
3	Ferrous Salt + Folic Acid	Capsule, (sulphate)150mg + 0.5mg

		Capsule, 60mg +400mcg (Pregnant)
4	Folinic Acid	Tablet, 15mg
5	Iron Complex	Injection (sucrose/ gluconate), 50mg/ml in 2ml ampoule
6	Folic Acid	Tablet, 5mg, 0.4mg, 800mcg
7	Erythropoiesis-stimulating agents*	Injection: pre-filled syringe 1000IU/ 0.5 mL; 2000IU/ 0.5 mL; 3000IU/ 0.3 mL; 4000IU/ 0.4 mL; 5000IU/ 0.5 mL; 6000IU/ 0.6 mL; 8000IU/ 0.8mL; 10 000IU/ 1 mL; 20 000IU/ 0.5 mL; 40 000IU/ 1 mL * the square box applies to epoetinalfa, beta and theta, darbepoetinalfa, methoxy polyethylene glycol-epoetinbeta,and their respective biosimilars.
BL.400. Antihemophilic agent		
1	Desmopressin	Injection: 4 micrograms/ mL (as acetate) in 1- mL ampoule. Nasal spray: 10 micrograms (as acetate) per dose
2	Coagulation factor VIII	Powder for injection: 500 IU/vial
3	Coagulation factor IX	Powder for injection: 500 IU/vial, 1000 IU/vial
BL.500. Antiplatelet		
1	Acetylsalicylic Acid	Tablet: 75mg, 81mg, 100mg (enteric coated)
2	Clopidogrel	Tablet: 75mg, 100mg
BL.600. Blood substitute and plasma expander		
1	Dextran (Mw 40,000)*	Solution: 10% w/v in 5% Dextrose
2	Dextran (MW 70,000)*	Solution: 6% w/v in 5% Dextrose
3	Albumin	Solution: 20%
*Any ferrous salts containing elemental form accepted therapeutic value		
FE.000.MEDICINES USED FOR CORRECTING FLUID, ELECTROLYTE AND ACID BASE BALANCE		
FE.100. Oral		
1	Calcium carbonate	Tablet: 600mg
2	Calcium Gluconate	Tablet, 500mg Syrup: 4g/15ml
3	Oral Rehydration Salt Powder, each sachet for 1 liter contains: <u>Gram/Liter mmol/L</u> <ul style="list-style-type: none"> • Sodium chloride = 2.6 Sodium = 75 • Glucose anhydrase= 13.5 Chloride = 65 • Potassium chloride = 1.5 Glucose anhydrase 75 • Trisodium citrate dehydrate= 2.9 Potassium= 20 <li style="padding-left: 180px;">Citrate = 10 <li style="padding-left: 180px;">Total osmolarity = 245 	
4	ReSoMaleach sachet for 2 liter	
	Glucose	125
	Sodium	45
	Potassium	40

	Chloride Total Osmolality	70 294mEq/liter
5	Potassium Chloride	Tablet: 600mg,
6	Sodium Bicarbonate	Tablet: 500mg,
FE.200. Parenterals		
1	Calcium Gluconate	Injection: 10% in 10ml ampoule
2	Dextrose	Injection, 5% in 250ml, 1000ml; 10% in 500ml, 1000ml; 40% in 20ml
3	Dextrose in Normal Saline	Injection 5% in 500ml, 1000ml; 10% in 500ml, 1000ml
4	Lactated Ringer's (Hartmann's Solution)	Injectable solution: K ⁺ 4mEq + Na ⁺ 130mEq + Ca ⁺ , 3mEq + Cl ⁻ 110mEq + Lactate 28mEq in 1000ml
5	Potassium Chloride	Injection, 150mg/ml in 10ml ampoule
6	Sodium Bicarbonate	Injection (concentrated), 8.4% (50meq/50ml)
7	Sodium Chloride	Injection, 0.9% (Normal Saline), 1000ml; 0.9% in 500ml, 3% in 500ml; 0.45% sodium chloride (equivalent to Na ⁺ 75 mmol/L and Cl ⁻ 75 mmol/L).
IM.000. IMMUNOMODULATORS		
1	Adalimumab	Injection: 40 mg/0.8 mL; 40 mg/0.4 mL
2	Azathioprine	Tablet (scored): 50 mg.
3	Tacrolimus	Tablet: 25mg, 50mg
4	Cyclosporin	Capsule: 25 mg
5	Granulocyte colony stimulating factor (G-CSF)	Injection: 300mcg, 600mcg
6	Lenalidomide	Capsule: 25 mg
7	Thalidomide	Capsule: 100 mg
AN.000 ANTINEOPLASTICS AND SUPPORTIVE MEDICINES		
AN.100. Cytotoxic Medicines		
1	Arsenic trioxide	1mg/1ml in 10ml Ampoule – Injection
2	Asparaginase	Powder for injection: 10 000 IU in vial.
3	Bendamustine	100mg in Vial - Powder for Injection(Lyophilized)
4	Bleomycin	15 IU in Vial - Powder for Injection (Lyophilized)
5	Calcium folinate	Injection: 3 mg/ mL in 10- mL ampoule.
6	Capecitabine	Tablet: 500 mg.
7	Carboplatin	Injection: 150mg/15ml, 450 mg/45 mL
8	Chlorambucil	Tablet: 2 mg.
9	Cisplatin	Injection: 50 mg/50 mL
10	Cyclophosphamide	Powder for injection: 500 mg, 1000mg in vial.
11	Cytarabine	Tablet: 50 mg. Powder for injection: 100 mg in vial.
12	Dacarbazine	Powder for injection: 100 mg in vial.

13	Actinomycin-D/ Dactinomycin	Powder for injection: 0.5 mg in vial.
14	Daunomycin hydrochloride /Daunorubicin	Powder for injection: 50 mg (hydrochloride) in vial.
15	Docetaxel	Injection: 40 mg/ mL.
16	Doxorubicin	Powder for injection: 50 mg (hydrochloride) in vial.
17	Etoposide	Powder for Injection: 100mg Capsule: 50 mg
18	Epirubicin	Injection, 50mg
19	Fludarabine	Powder for injection: 50 mg (phosphate) in vial.
20	Fluorouracil	Injection: 50 mg/ mL.
21	Gemcitabine	Powder for injection: 1 g in vial.
22	Hydroxyurea (hydroxycarbamide)	Solid oral dosage form: 500mg
23	Ifosfamide	Powder for injection: 1000mg vial; 3000mg in vial
24	Ifosfamide + Mesna	Powder for injection: 1000mg + 100 mg/ mL in vial
25	Irinotecan	Injection: 40mg/2ml, 100 mg/5 mL
26	Melphalan	Tablet: 2 mg
27	Mercaptopurine	Tablet: 50 mg.
28	Methotrexate	Powder for injection: 50 mg in vial. Tablet: 2.5 mg, 5mg (as sodium salt). Interthecal methotrexate 5mg/2ml
29	Oxaliplatin	Injection: 50 mg/10 mL; 100 mg/20 mL
30	Paclitaxel	Powder for injection: 6 mg/ mL.
31	Procarbazine	Capsule: 50 mg (as hydrochloride).
32	Vinblastine	Powder for injection: 10 mg (sulfate) in vial.
33	Vincristine	Powder for injection: 1 mg in vial.
34	Vinorelbine	Injection: 10 mg/mL in vial.
AN.200.Targeted Therapies		
1	All-trans retinoid acid (ATRA)	Capsule: 10 mg.
2	Bortezomib	Powder for injection: 3.5 mg in vial.
3	Dasatinib	Tablet: 70 mg; 100 mg;
4	Imatinib	Tablet: 100 mg
5	Nilotinib	Capsule: 200 mg.
6	Rituximab	Injection (intravenous): 500 mg/50 mL in vial.
7	Azacitidine:	Powder of Injection: 100mg/vial
AI.300. Hormone and Antihormones		
1	Abiraterone	Tablet: 250 mg; 500 mg
2	Anastrozole	Tablet: 1 mg.
3	Bicalutamide	Tablet: 50 mg
4	Cabergoline	Tablet: 0.5mg
5	Tamoxifen	Tablet: 20 mg (as citrate).
6	Goserelin	Injection: 3.6mg, 10.8mg
AN.400.Supportive medicines		
1	Mesna	Injection: 100 mg/ mL in ampoules.

2	Zoledronic acid	Concentrate solution for infusion: 4 mg/5 mL in vial.
3	Alendronate	Tablet: 70mg

BP.000.MEDICINES USED FOR BENIGN PROSTATE HYPERPLASIA

1	Alfuzosin	Tablet: 10mg
2	Finasteride	Tablet: 5mg
3	Tamsulosin	Tablet: 0.4mg
4	Terazosin	Tablet: 1mg

OP.000.OPHTHALMIC AGENTS

OP.100.Anti-glaucoma Agents

1	Acetazolamide	Tablet: 250mg
2	Glycerin	Oral solution: 50%
3	Mannitol	Solution for infusion: 20% in 500ml
4	Pilocarpine Hydrochloride (Nitrate)	Eye drops: 2%, 4%,
5	Timolol Maleate	Eye drops: 0.25%, 0.5% Gel: 0.5%
6	Latanoprost	Solution: 0.005%
7	Brimonidine	Solution: 0.5%
8	Dorzolamide	Solution: eye drop 2%
9	Dorzolamide and timolol	Solution: eye drop 2% + 0.5%
10	Mitomycin C	Injection: 20mg

OP.200. Mydriatics/ Cycloplegics

1	Atropine Sulphate	Eye drops: 1%
2	Cyclopentolate Hydrochloride	Eye drops, 1%
3	Tropicamide	Eye drops: 1%
4	Phenylephrine	Eye drop: 2.5%

OP.300.Anti-infective/Ophthalmic

OP.301. Antibacterial

1	Ciprofloxacin	Solution (Eye drop): 0.3%
2	Tetracycline	Eye ointment: 1%
3	Tobramycin	Eye drops: 0.3%
4	Ofloxacin	Solution (eye drops): 0.3%
5	Azithromycin	Tablet/capsule: 500mg

OP.302. Antivirals

1	Acyclovir	Eye ointment: 3%
2	Gancyclovir	Tablet: 500mg

OP. 303 Antifungals

1	Natamycin	Eye drop: 5%
2	Econazole	Eye drops: 1%

OP.400.Anti-inflammatory/anti-allergic medicines

1	Dexamethasone	Eye drops suspension: 0.1%
2	Methylprednisolone	Injection: 40mg/ml
3	Prednisolone	Eye drops: 1%

4	Sodium cromoglylate	Solution (eye drop), 2%, 4%
5	Olopatadine	Eye drop: 0.1%; 0.2%
6	Hydroxypropyl Methylcellulose (Artificial tears)	Eye drop: 1%
7	Sodium Chloride	Eye drop: 5%
OP.500.Anti-infective /Anti-inflammatory combinations		
1	Chloramphenicol + Dexamethasone	Eye drops, 0.5% +0.1%
2	Ciprofloxacin + Dexamethasone	Eye Suspension, 0.3%, 0.1%
3	Oxytetracycline Hydrochloride + Hydrocortisone Acetate + Polymixin B sulphate	Eye drops, 5mg +15mg + 10,000U/ml
OP.600. Topical Anesthetics		
1	Tetracaine Hydrochloride	Eye drops: 0.5%
2	Proparacaine	Eye drop: 0.5%
OP.700.Ophthalmic Analgesics		
1	Flurbiprofen	Eye drops: 0.03%
OP.800.Diagnostic and Miscellaneous Agent		
1	Fluorescein sodium	Eye paper (sterile strip)
2	Povidone Iodine	Eye drops: 5%,
EN.000 EAR, NOSE AND THROAT PREPARATIONS		
1	Clotrimazole	Solution (ear drops): 1%
2	Miconazole	Oral gel: 25mg/ml
3	Nystatin	Suspention: 100000 u/ml
4	Hydrogen Peroxide	Solution: 3%
5	Ciprofloxacin	Ear drop: 0.3%
6	Chlorhexidine	Solution: 0.12%
7	Lidocaine	Spray (Hydrochloride): 4%
8	Xylometazoline	Solution (Nose drops) : 0.05%, 0.1%
9	Silver nitrate	Solution : 0.75%
10	Mometasone	Nasal spray : 0.1mg
11	Fluticasone	Nasal spray : 0.05mg/spray
12	Saline spray	Isotonic : 0.9% Hypertonic : 3%
13	Triamcinolone acetonide	Oral paste : 0.1%
14	Acetic acid	Solution : 2%
15	Betahistine	Tablet : 24mg
16	Pilocarpine	Tablet : 5 mg
17	Oxytetracycline Hydrochloride + Hydrocortisone Acetate + Polymixin B sulphate	Ear drops, 5mg +15mg + 10,000U/ml
DE.000 DERMATOLOGICAL AGENTS		
DE.100 Anti-infectives, Topical		
1	Benzoic Acid + Salicylic Acid	Whitefield Ointment: 6% + 3%
2	Clotrimazole	Cream: 1%

		Ointment: 1%
3	Miconazole	Cream: 2%
4	Benzyl Benzoate	Lotion: 25%
5	Ganciclovir	Tablet: 500mg
6	Cephalexin	Oral liquid: 250mg/5ml suspension
7	Mupirocin	Cream: 2%
8	Nitrofurazone	Ointment: 30gm, 45gm
9	Fusidic Acid	Cream: 2% Ointment: 2%
10	Sulfur dioxide	Ointment: 10%
11	Silver sulfadiazine	Cream: 1%
12	Permethrin	Cream: 5% w/w
13	Metronidazole	Cream: 0.75 % w/w, 1%w/w
14	Ketoconazole	Shampoo: 2%
15	Paromomycin	Cream: 15%
16	Terbinafine Hydrochloride (Access)	Cream: 1% Tablet: 250mg
17	Zinc sulphate	Tablet: 20mg
18	Ascorbic Acid (Vitamine C)	Tablet: 500mg

DE.200 Anti-inflammatories, Topical

1	Betamethasone Valerate	Cream: 0.1% Ointment: 0.1%
2	Betamethasone Dipropionate	Cream: 0.025% w/w, 0.05%
3	Hydrocortisone Acetate	Cream: 1% Ointment, 1%
4	Mometasone furoate	Cream: 0.1% Ointment: 0.1%
5	Clobetasol propionate	Cream: 0.05%
6	Triamcinolone Acetonide	Cream: 0.1%w/w Paste: 0.1%w/w
7	Methyl Salicylate	Ointment: 25%w/w
8	Propranolol	Tablet: 5mg, 10mg
9	Tacrolimus	Tablet: 25mg, 50mg

DE.300 Keratolytic/Caustics and Antiacne Agents

1	Benzoyl Peroxide	Gel: 2.5%, 5%, 10% Solution, 2.5%, 5, 10%
2	Salicylic Acid	Ointment, 2%, 5%, 10%
3	Urea	Cream: 10% w/w, ointment: 10%w/w
4	Retinoic Acid	Cream: 0.025%w/w, Gel: 0.01%, Lotion: 0.025%, Ointment: 0.05%
5	Clindamycin	Lotion: 1%w/w, Gel: 1%w/w
6	Azelaic Acid	Cream: 20%w/w
7	Isotretinoin	Capsule: 10mg, 20mg

8	Coal tar	Ointment: 5%w/w
9	Hydroquinone	Topical solution :2%,4%
DE.400 Medicines for Psoriasis and Eczema		
1	Calcipotriol	Cream, Ointment (scalp application), 0.005%
2	Acitretin	Tablet: 10mg
3	Dithranol	Paste, 1%; Scalp application, 0.25%, 0.5%
4	Ichthammol	Ointment: 10%w/w
5	Sun screen	with SpF 30+ (UVA + UVB block)
6	Zinc Oxide	Paste: 20%w/w
DE.500 Antipruritics		
1	Calamine	Lotion: 15% w/v
DE.600 Antiseptic agents		
1	Ethyl Alcohol	Solution: 70% w/v
2	Alcohol based hand rub	Solution: containing ethanol 80% V /V Solution: containing isopropyl alcohol 75% V/V
3	Chlorhexidine	Solution or gel: 7.1% (digluconate) delivering 4% chlorhexidine (for umbilical cord care)
4	Iodine	Solution: 2% V/V
5	Povidone Iodine	Solution: 10%V/V
6	Gentian Violet	Solution: 1%v/v
VA. 000 VACCINES		
1	Hepatitis B Vaccine, inactivated	Injection: 16.5% in 2ml, 10ml
2	Hepatitis B Vaccine Recombinant Yeast DNA	Injection: 0.5ml
3	BCG Vaccine	Injection: 500,000 organisms /ml in 0.05ml, 0.1ml
4	Human Papiloma virus Vaccine quadrivalent	Injection : 0.5ml
5	Measles Virus Vaccine Live Attenuated	Injection: 0.5ml
6	Pentavalent (Diphtheria, Pertusis, Tetanus, Haemophilus Influenzae B, and Hepatitis B) Vaccine	Injection : 0.5ml
7	Oral Poliomyelitis Vaccine, Trivalent Type I, II, and III	Oral: 0.5ml, 10ml, and 20ml
8	Inactivated Poliomyelitis Vaccine (IPV), Trivalent Type I, II, and III	Injection: 0.5ml
9	Rabies (Human Diploid Cell) Vaccine	Injection: 2.5IU/ml in 2ml
10	Rota Virus Vaccine Monovalent (P1 [8], G1)), Bivalent, Pentavalent (G1, 2, 3, 4, 5 and P1 [8])	Oral solution: 2ml
11	Tetanus Toxoid	Injection: 0.5ml, 1ml

12	Pneumococcal conjugate vaccine (PCV)	Injection: 0.5ml
13	Influenza vaccine (seasonal)	Injection: 0.25 mL, 0.5ml, 5ml
SI. 000. SERA AND IMMUNOGLOBULIN		
1	Anti-Rho (D) human Immunoglobulin	Injection: 300mcg
2	Human Antirabies Immunoglobulin	Injection: 150 IU/ml in 2ml
3	Anti-tetanus human immunoglobulin	Injection: 250IU/ml in vial.
4	Tetanus Antitoxin, Equine	Injection: 1,500IU
5	Hepatitis B immunoglobulin	100IU/mL
6	Immune Serum Globulin, Human (Gamma Globulin, Human)	Injection, 16.5% in 2ml, 5ml
AN.000 ANTIDOTES AND OTHER SUBSTANCES USED IN POISONING		
1	Acetylcysteine	Injection: 200mg/ml in 10ml ampoule
2	Activated Charcoal	Powder for reconstitution: 15gm/120ml, 25gm
3	Calcium Gluconate	Injection: 10% in 10ml ampoule
4	Deferoxamine Mesylate	Powder for injection: 500mg in vial
5	Digoxin Immune (Fab Ovine) Digoxin-specific, antibody fragments	Powder for injection: 40mg
6	Flumazenil	Injection: 0.5 mg/5 mL in ampoule
7	Lipid emulsion	Injection: 20% (200 to 500mL)
8	Phytomenadione (Vitamin K1)	Injection, 1mg/0.5ml, 10mg/ml in 1ml ampoule Tablet, 10mg
9	Sodium Nitrite	Injection: 3% (30mg/ml)
10	Physostigmine	Injection: 1mg/ml
11	Naloxone hydrochloride	Injection: 0.4mg in 1ml ampule
12	Pralidoxime Chloride	Powder for injection: 1000mg/vial Tablet: 500mg
13	Protamine sulphate	Injection: 10mg/ml in 5ml ampoule; 250mg (10mg/ml), 25ml
14	Snake Venom Antiserum Polyvalent	Injection: 10ml
RC.000 RADIOCONTRAST MEDIA		
1	Amidotrizoate (Urografin)	Solution for injection: 76%
2	Barium Sulfate	Powder in Sachets
3	Iopamidol	Solution for injection: 370mg/50ml, Iohexol is can be an alternative
4	Gadobutrol	Solution for injection: 1mmol/ml
5	Gadodiamide	Solution for injection: 287 mg/mL

MI.000 MISCELLANEOUS

1	Water for Injection	In 2ml, 5ml, 10ml vial
2	Liquid nitrogen	Solution : 997ml/1litre

Annex 1: List of individuals and institutions that have contributed in drafting, reviewing, validating and editing of the 6th edition of Ethiopian Essential Medicines list

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