

**NATIONAL LIST OF
ESSENTIAL MEDICINES
NEPAL
(FIFTH REVISION)
2016**



**GOVERNMENT OF NEPAL
MINISTRY OF HEALTH
DEPARTMENT OF DRUG ADMINISTRATION**

Background

- Essential medicines are those medicines that satisfy the priority health care needs of the population. WHO published the first essential medicine list in 1977 and has been updating it every two years since.
- Nepal being a signatory of the Alma Ata declaration (1978) implemented the essential medicine program with a first ever National List of Essential Medicines, NLEM in 1986.
- Since then NLEM revised five times (1992, 1997, 2002, 2011 and 2016) with the support from WHO Nepal.

Criteria of selection

The main criteria for selection of the medicines in the NLEM are public health relevance (harmonizing with standard treatment schedule use in primary health care service), efficacy, safety, cost-effectiveness and access.

Methodology/Process Algorithm

- Meeting of **Main committee** (for technical guidance)
- **Draft committee** working as a coordinating task force
- Opinions taken from **expert groups** (therapeutic experts-clinicians and other stakeholders).
- **Wider consultation** through organizing workshop with resource personnel, clinicians/expert, draft committee, main committee comprising policy makers and programme managers and other relevant stakeholders based on STG and Evidences
- **Draft preparation** Closer consultation for minor details and edition
- **Finalization of draft NLEM.**
- **Agenda of DAC** for Recommendation
- **Approval by the ministry**

Main committee (technical guidance)

- Honorable Health Minister (MOH)
- Secretary, Ministry of Health (MOH)
- Chief, Policy, Planning and International Cooperation Division (MOH)
- Chief, Public Health Administration, Monitoring and Evaluation Division (MOH)
- Chief, Curative division (MOH)
- Director, Department of Health Services (DoHS)
- Director, Logistic Management Division (DoHS)
- Director, Primary Health Care Revitalization Division (DoHS)
- Director, National Tuberculosis Center (DoHS)
- Director, National AIDs and STD Control Centre (DoHS)
- Director, Epidemiology and Disease Control Division, (DoHS)
- Director, Child Health Division (DoHS)
- Director, National Medicine Laboratory (MOH)
- Director, Leprosy Control Section (DoHS)
- Director, Family Health Division (DoHS)
- Director, Management Division (DoHS)
- Director, Department of Ayurveda
- Chairperson, Nepal Medical Council
- WR/WHO

Personnel Involved to coordinate and draft the List Facilitator

- Mr. Santosh K.C., Drug Administrator, DDA

Key resource person for overall guidance

- Mr. Narayan Prasad Dhakal, Director General, DDA

NEML Draft committee

- Mrs. Sangita Shah, Drug Administrator, LMD
- Mr. Gorkha Bahadur DC, Pharmacy Officer, DDA
- Mr. Rajesh Shrestha, Pharmacy Officer, DDA
- Mr. Bhupendra Poudel, Pharmacy Officer, DDA
- Mr. Kiran Bajracharya, Pharmacy Officer, DDA
- Mr. Bibek Shrestha, Pharmacy Officer, DDA

Criteria for inclusion of a medicine in NLEM will be as follows:

- Approved/licensed medicine in the country
- Relevance for disease posing public health problem (morbidity)
- Proven efficacy and safety profile based on valid scientific evidence (evidence-based)
- Cost effective
- Aligned with STG (the current treatment guidelines under public health program)
- Stable under the storage conditions
- Preference on relative safety, efficacy, cost-effectiveness (in case there are more than one alternative)
- Fixed Dose Combinations (FDCs) with unequivocally proven advantage over Single (in terms of increasing efficacy, reducing adverse effects and/or improving compliance)
- Access, free drug, SHI

Criteria for deletion of a medicine from NLEM will be as follows:

- Banned in Nepal
- Reports of concerns on the safety profile of a medicine
- If better efficacy or favorable safety profiles and better cost-effectiveness is available.
- Irrelevant to public health disease burden
- Antimicrobial resistance pattern (In case of antimicrobials, if the resistance pattern has rendered a medicine ineffective in Nepalese and international context)
- Medicine with abuse and misuse potential

There were 321 medicines listed in NLEM 2011. A total of 86 medicines have been added or deleted from the NLEM 2011 in the current list. A total of 62 medicines have been added and a total of 24 medicines have been deleted from the previous list. Among the 62 added medicines 56 were added to the main list and 6 to the complementary list. The medicines added in the Antitubercular and Antiretroviral groups are added to match with the National TB programme and HIV AIDS Control Program of Government of Nepal. The new list of NLEM 2016 thus contains 359 medicines.

Comparative Table for Addition and Deletion of Molecules in National List of Essential Medicines, 2016

S.No.	Therapeutic Category	Total (NLEM 2011)	Deleted		Added		Total (NLEM 2016)
			M*	C**	M*	C**	
1	Anaesthetics	14			1	1	16
2	Medicines for Pain and Palliative Care	9			2		8***
3	Antihistaminics and Medicines Used in Anaphylaxis	6	1		1	1	7
4	Antidotes and Other Substances Used in Poisonings	13	1				12
5	Antiepileptics / Anticonvulsants	7		1			6
6.1	Anthelmintics	4					4
6.2	Antibacterials	45	1		3	1	48
6.3	Antifungal Medicines	3					3
6.4	Antiviral Medicines	17	1		9		25
6.5	Antiprotozoal Medicines	14	2				12
7	Antimigraine Medicines	3	1				2
8	Antineoplastic, Immunosuppressives	34			1		35
9	Antiparkinsonism Medicines	2					2
10	Medicines Affecting the Blood	9			1		10
11	Blood Products and Plasma Substitutes	4					4
12	Cardiovascular Medicines	25	3		12		34
13	Dermatological Medicines	13	2	1	3		13
14	Diagnostic Agents	5					5
15	Disinfectants and Antiseptics	8	2				6
16	Diuretics	5	1				4
17	Gastrointestinal Medicines	13			3		16
18	Hormones, Other Endocrine Medicines and Contraceptives	26	1		2		27
19	Immunologicals	22			4		26
20	Muscle Relaxants (Peripherally Acting) and Cholinesterase Inhibitors	4				1	5
21	Ophthalmological, Ear, Nose and Throat Preparations	22			6	1	29
22	Oxytocics and Antioxytocics	5	1		2		6
23	Peritoneal Dialysis Solution	1					1
24	Psychotherapeutic Medicines	15	1		2		16
25	Medicines Acting on the Respiratory Tract	8	1	1			6
26	Solution Correcting Water, Electrolyte and Acid Base Disturbances	8					8

27	Vitamins and Minerals	8	2		3		9
28	Specific Medicines for Neonatal care	0			2		2
29	Medicines for Diseases of Joint	0					3***
M* = Main list C** = Complimentary list ***allopurinol, colchicine and methotrexate shifted to new category 29							

Table showing addition, deletion and medicines whose dose have been changed or shifted to main or complimentary list

S.No.	Group	Name of Drug	Dosage form	Li st	Additio n/Deleti on	Mol ecul e	Dosage form	Streng th	Reason
1	Anesthetics	Sevoflurane	inhalation	C	Addition	1	1	1	Recovery is fast
		Midazolam	injection, 1 mg/ml, 5 mg/ml	M	Addition	1	1	2	Increased potency and faster recovery
		Ibuprofen	oral liquid, 200 mg/5ml	M	Addition	0	1	1	For Paediatric patients
		Aspirin	tablet, 500 mg	C	Change	0	0	1	300 mg is Low therapeutic dose for analgesic and antipyretic action
2	Medicines for pain and palliative care	Codeine phosphate	tablet, 30 mg	M	Addition	1	1	1	Good for severe pain and post operative pain
		Paracetamol	oral drop 100 mg/ml	M	Change	0	1	1	For Paediatric patients
		Fentanyl	injection, 50mcg/ml	M	Addition	1	1	1	50 to 100 times stronger analgesic than morphine
		Cetirizine	tablet 10 mg	M	Addition	1	1	1	Common Cost effective drug
3	Antihistaminics and Medicine used in Anaphylaxis	Chlopheniramine maleate	tablet 4 mg	M	Deletion	1	1	1	Problem with availability
		Fexofenadine	oral liquid 30mg/5ml	C	Addition	1	1	1	Effective for Paediatric patients
4	Antidotes and Other Substances Used in Poisonings	Ethyl alcohol	injection	M	Deletion	1	1	1	Problem with availability

5	Antiepileptics / Anticonvulsants	Carbamazepine	tablet, 400 mg, oral liquid 100 mg/5ml	M	Addition	0	1	2	To address Paediatric patients
		Valporic acid	oral liquid 200 mg/5 ml	M	Addition	0	1	1	To address Paediatric patients
		Paraldehyde	injection, 500 mg/ml	C	Deletion	1	1	1	Problem with availability
		Phenobarbital	tablet 60 mg, injection, 200 mg/ml	M	Addition	0	2	2	To address Paediatric patients
		Niclosamide	tablet, 500 mg	M	Shift	0	0	0	
6.1	Anthelmintics	Amoxicillin	dt 250 mg, powder for oral liquid	M	Addition	0	2	2	To address Paediatric patients
6.2	Antibacterials	Cephalexin	capsule 250mg, dry syrup 125/250/5 ml	M	Addition	1	2	3	To increase microbial coverage
		Vancomycin	500 mg, dry powder for injection	C	Addition	1	1	1	First line treatment for complicated infections
		Linezolid	tablet, 300 mg	M	Addition	1	1	1	To address National TB Programme
		Streptomycin	inj. 75 g	M	Deletion	0	1	1	Problem with availability

6.3	Antifungal Medicines	Isoniazid + rifampicin + pyrazinamide	tablet, injection	M	Change	0	0	1	To address National TB Programme
		Isoniazid + rifampicin	tablet, injection	M	Change	0	0	1	To address National TB Programme
		Bedaquiline	tablet, 100 mg	M	Addition	1	1	1	To address National TB Programme
		Pyrazinamide	sachet	M	Change	0	0	1	To address National TB Programme
		Isoniazid + rifampicin+ pyrizinamide	tablet 30+60+150	M	Deletion	1	1	1	Not in WHO model list of essential drugs
		Clotrimazole	mouth paint 1% w/v	M	Addition	0	1	1	For the treatment of oral infections
		Nystatin	oral liquid 50 mg/5ml, 1000000 iu/ml, mouth paint	M	Addition	0	2	2	For the treatment of oral infections
6.4	Antiviral Medicines	Osetamivir	tablet, 30,45,75 mg, oral powder 6mg/ml	M	Addition	1	2	4	To address the national programme
		Acyclovir	tablet, 400/800 mg	M	Addition	0	0	2	Low therapeutic dosage
		Didanosine	capsule 250/400 mg	M	Deletion	1	1	2	Phased out

		Nevirapine	capsule 50 mg	M	Addition	0	1	1	To address National Programme
		Ritonavir	tablet 100 mg	M	Addition	1	1	1	To address National Programme
		Abacavir/lamivudine	tablet 60/30 mg	M	Addition	1	1	1	To address National Programme
		Emtricitabine/tenofovir	tablet, 200/300 mg	M	Addition	1	1	1	To address National Programme
		Lopinavir/ritonavir	tablet, 100/25 mg	M	Addition	1	1	1	To address National Programme
		Zidovudine/lamivudine	tablet, 60/30 mg	M	Addition	1	1	1	To address National Programme
		Zidovudine/lamivudine/nevirapine	tablet, 60/30/50	M	Addition	1	1	1	To address National Programme
		Entecavir	tablet, 0.5, 1 mg	M	Addition	1	1	2	To increase antiviral coverage
		Sofosbuvir	tablet, 400mg	M	Addition	1	1	1	To increase antiviral coverage
		Diloxanide	tablet, 500 mg	M	Deletion	1	1	1	Problem with availability
6.5	Antiprotozoal Medicines	Paromomycin	injection, 750 mg	M	Deletion	1	1	1	Problem with availability
7	Antimigraine Medicines	Ergometrine	tablet 1 mg	M	Deletion	1	1	1	Not preferred drugs
		Etoposide	tablet, 100 mg	M	Addition	0	1	1	Oral form addition
		Methotrexate	tablet, 5,10 mg	M	Addition	0	0	2	Dosage form addition
8	Antineoplastic, Immunosuppressives	Procarbazine	tablet, 50 mg	M	Addition	1	1	1	Increase coverage

		Bleomycin	powder for injection, 15 mg	M	Shift	0	0	0	
10	Medicines Affecting the Blood	Enoxaparin	injection 30,60,80 mg	M	Addition	1	1	3	INR monitoring not needed as heparin
		Atenolol	tablet, 50 mg, 100	M	Deletion	1	1	2	Other safer alternative available
		Aspirin	tablet 150, 300 mg	M	Addition	0	1	2	Addition of approved doses
		Metoprolol	tablet, 12.5/25/50 mg	M	Addition	1	1	3	Safer than atenolol
		Metoprolol	12.5/25/50 mg	M	Addition	1	1	3	Safer than atenolol
12	Cardiovascular Medicines	Atenolol	tablet 25,50,100 mg	M	Deletion	1	1	3	Not preferred choice of drug
		Amiodarone	tablet 100 mg, injection 50mg/ml	M	Addition	1	2	2	Preferred choice
		Hydralazine	injection, 20 mg	M	Addition	1	1	1	For hypertensive emergencies
		Amlodipine	tablet, 2.5, 5 mg	M	Addition	1	1	2	Common Cost effective drug
		Losartan	tablet, 25, 50 mg	M	Addition	1	1	2	Common Cost effective drug
		Atenolol	tablet 25 mg	M	Addition	0	0	1	Common Cost effective drug

		Labetalol	injection, 5 mg/ml	M	Addition	1	1	1	For hypertensive emergencies in pregnancies
		Enalapril	tablet, 5,10,20 mg	M	Deletion	1	1	3	Replaced with ramipril
		Ramipril	tablet, 2.5, 5 mg	M	Addition	1	1	2	Replaced for enalapril
		Furosemide	tablet, 20/40 mg, injection 10mg/ml	M	Addition	1	2	3	Preferred choice
		Spirolactone	tablet 25 mg	M	Addition	1	1	1	Preferred choice
		Clopidogrel	tablet, 75 mg	M	Addition	1	1	1	Common Cost effective drug
		Fenofibrate	tablet 80, 160 mg	M	Addition	1	1	2	Common Cost effective drug
		Selenium sulfide	suspension 2%	C	Deletion	1	1	1	Frequently causes irritations
		Fluconazole	capsule, 150 mg	M	Addition	1	1	1	Common Cost effective drug
	13 Dermatological Medicines	Mupirocin	cream/oint 2%	M	Addition	1	1	1	Increase coverage due to broad spectrum coverage
		Salicylic acid	cream 10,20,40%	M	Addition	1	1	3	Common Cost effective drug
		Coal tar	solution 5%	M	Deletion	1	1	1	Not preferred choice of drug
		Lindane	lotion 1%	M	Deletion	1	1	1	Phased out
	15 Disinfectants and Antiseptics	Permethrin	5 % lotion	M	Shift	0	0	0	
		Povidone iodine	solution 10%	M	Addition	0	0	1	Common Cost effective drug

	Formaldehyde	solution 3%	M	Deletion	1	1	1	Phased out
	Cetrimide	solution 20%	M	Deletion	1	1	1	Not preferred choice of drug
16	Diuretics							
	Triamterene	tablet, 50 mg	M	Deletion	1	1	1	Not preferred choice of drug
	Granisetron	tablet, 1, 2 mg	M	Addition	1	1	2	Antiemetics for cancer patients
17	Gastrointestinal Medicines							
	Isobgol husk	oral powder	M	Addition	1	1	1	Common laxatives
	Drotaverine hydrochloride	tablet 40/80 mg	C	Addition	1	1	2	Common Cost effective drug
	Ethinylestradiol +levonorgestrel	20/1000 mcg*	M	Addition	0	0	1	Low therapeutic dosage
	Silicon ring pessaries		M	Addition	1	1	1	Preferred choice
18	Hormones, Other Endocrine Medicines and Contraceptives							
	Gibnecnamide	tablet, 2.5, 5 mg	M	Deletion	1	1	2	Not preferred choice of drug
	Glicazide	tablet, 40, 80 mg	M	Addition	1	1	2	Common Cost effective drug
	Metformin	tablet 850 mg	M	Addition	0	0	1	Increase the range
	Levothyroxine		M	Addition	0	0	3	Increase the range
19	Immunologicals							
	Diphtheria antitoxin	tablet, 25,50,75 mcg	M	Addition	1	1	1	Request from health services

		Rotavirus		M	Addition	1	1	1	Request from health services
		Pneumococcal		M	Addition	1	1	1	Request from health services
		Hpv		M	Addition	1	1	1	To cover the national programme
20	Muscle Relaxants (Peripherally Acting) and Cholinergase Inhibitors	Atracurium	powder for injection, 25,50,100 mg	C	Addition	1	1	3	To increase the range
		Fluconazole	eye drop, 0.3 %	M	Addition	1	1	1	To cover antifungal range
		Propacaine	eye drop, 0.5 %	M	Addition	1	1	1	Not in Formal list
		Clotrimazole	ear drops 1%	M	Addition	1	1	1	To cover antifungal range
21	Ophthalmologica I, Ear, Nose and Throat Preparations	Ofloxacin	eye drop 0.3 %	C	Addition	1	1	1	To increase antibacterial range
		Ciprofloxacin	drop 0.3%	M	Addition	1	1	1	To increase antibacterial range
		Betamethasone	ear drops 0.5 %	M	Addition	1	1	1	Common choice
		Benzocaine	solution 20%	M	Addition	1	1	1	Local anesthetics for Dental not in formal list
22	Oxytocics and Antioxytocics	Isoxsuprine hydrochloride	injection 5mg/ml	M	Deletion	1	1	1	Safer alternative available
		Nefedipine	capsule 10 mg	M	Addition	1	1	1	Safer in pregnancy

		Terbutaline	injection, 0.5 mg/ml	M	Addition	1	1	1	Common choice
		Chlorpromazine	injection, 25mg/ml	M	Deletion		1	1	Not easily available
24	Psychotherapeuti c Medicines	Olanzapine	tablet, 2.5,5,10 mg	M	Addition	1	1	1	Relatively safer
		Alprazolam	tablet 0.25, 0.5, 1 mg	M	Deletion	1	1	3	Safer alternative available
		Lorazepam	tablet, 1,2 mg	M	Addition	1	1	2	Longer duration of action than Diazepam
		Chromoglicic acid	inhalation, 5 mg, 20 mg	M	Deletion	1	1	2	Not common
25	Medicines Acting on the Respiratory Tract	Theophylline	tablet, 300 mg	C	Deletion	1	1	1	Safer alternative available
		Sodiumbicarb onate	injection, 7.5% solution	M	Change	0	0	0	
		Ascorbic acid	tablet, 500 mg	M	Change	0	0	0	
		Vitamin B complex		M	Deletion	1	1	1	Not essential
		Thiamine	tablet, 100 mg	M	Addition	1	1	1	Single vitamin
27	Vitamins and Minerals	Cynocobalamin	injection, 30 mcg/ml	M	Addition	1	1	1	Single vitamin
		Retinol + DL- alpha- tocopherol	retinol (as palmitate)+dl-alpha- tocopherol or tocopheryl acetate, soft gel capsule, 200 000 iu+ 40 iu, 100 000 iu+ 20 iu, 50 000 iu+ 20 iu	M	Deletion	1	1	1	Vitamin E not in therapeutic dose

		Calcium	tablet 500 mg	M	Addition	1	1	1	Single mineral
		Caffeine citrate	injection, 20 mg/ml	M	Addition	1	1	1	For Paediatric patients
28	Specific Medicines for Neonatal care	Chlorohexidine	solution/ gel 7.1 %	M	Addition	1	1	1	For Paediatric patients
		Allopurinol	300 mg		Addition	0	0	1	Increase the range
29	Medicines for Diseases of Joint								
					total	86	106	158	

National List of Essential Medicines, 2016

	Main List	Complementary List	Dosage Form
1.	Anaesthetics		
1.1	General Anaesthetics and Oxygen		
	Halothane		inhalation
	Isoflurane		inhalation
	Ketamine		injection, 50 mg/ml (as hydrochloride) in 10-ml vial
	Nitrous oxide		inhalation
	Oxygen		inhalation (medicinal gas)
	Thiopental		powder for injection, 0.5g, 1.0g (sodium salt) in ampoule
		Propofol	injection, 10mg/ml in 20-ml ampoule
		Sevoflurane	inhalation
1.2	Local Anaesthetics		
	Bupivacaine		injection, 0.25%, 0.5% (hydrochloride) in vial
	Lidocaine (lignocaine)		injection, 1%, 2% (hydrochloride) in vial; injection for spinal anaesthesia, 5% (hydrochloride) in 2-ml ampoule to be mixed with 7.5% glucose solution
	Lidocaine (lignocaine) + epinephrine (adrenaline)		injection, lignocaine 2% (hydrochloride) + epinephrine 1:200 000, in vial
		Ephedrine*	injection, 30 mg (hydrochloride)/ml in 1-ml ampoule
			<i>*For use in spinal anaesthesia during delivery, to prevent hypotension</i>
1.3	Preoperative Medication and Sedation for Short-term Procedures		
	Atropine		injection, 1 mg (sulfate) in 1-ml ampoule
	Diazepam		injection, 5mg/ml in 2-ml ampoule
	Midazolam		injection, 1mg/ml, 5mg/ml with/out preservative
	Morphine		injection, 10 mg (sulfate or hydrochloride) in 1-ml ampoule

2 Medicines for Pain and Palliative Care

2.1. Non-opioid Analgesics & NSAIDs

Ibuprofen	tablet, 200 mg, 400 mg, Oral liquid, 100 mg/5ml
Paracetamol	tablet, 500mg; injection, 150 mg/ml in 2-ml ampoule, 10 mg/ml in 100 ml bottle; suspension, 125 mg/5ml
Aspirin	tablet, 500 mg
Diclofenac Sodium	tablet, 50 mg, injection 25 mg/ml

2.2. Opioid Analgesics

Codeine	tablet, 30 mg (as phosphate)
Fentanyl	injection, 50mcg/ml
Morphine	injection, 10 mg (sulfate or hydrochloride) in 1-ml ampoule; tablet, 10 mg; prolonged release tablet, 10 mg, 30 mg, 60 mg (sulfate); oral liquid 10 mg/5ml (sulfate)
Pethidine	injection, 50 mg (hydrochloride) in 1-ml ampoule

3 Antihistaminics and Medicines Used in Anaphylaxis

Cetirizine	tablet 10 mg,
Dexamethasone	injection, 4 mg dexamethasone phosphate (as disodium salt) in 1-ml ampoule
Epinephrine (adrenaline)	injection, 1mg (as hydrochloride or acid tartrate) in 1-ml ampoule
Hydrocortisone	powder for injection, 100 mg (as sodium succinate) in vial
Pheniramine	tablet, 25, 50 mg, injection, 22.75 mg (maleate) /ml
Prednisolone	tablet, 5mg
Fexofenadine	oral Solution, 30mg/5 ml

4 Antidotes and Other Substances Used in Poisonings

4.1 Non-Specific

Charcoal, activated	powder; oral liquid (sorbitol-base slurry)
---------------------	--

4.2 Specific

Atropine	injection, 1 mg (sulfate) in ampoule; powder for
----------	--

Dimercaprol	injection 50 mg (sulfate) in vial
Naloxone	injection in oil, 50 mg/ml in 2-ml ampoule injection, 400 mcg (hydrochloride) in 1-ml ampoule
Pralidoxime	injection, 500 mg or 1 g (mesilate, chloride or iodide) in ampoule
Acetylcysteine	injection, 200 mg/ml in 10-ml ampoule
Calcium gluconate	injection, 100 mg/ml in 10-ml ampoule
Deferoxamine	powder for injection, 500 mg (mesilate) in vial
Methylthioninium chloride (Methylene blue)	injection, 10 mg/ml in 10-ml ampoule
Potassium ferric hexacyanoferrate (II).2H ₂ O (Prussian blue)	powder for oral administration
Sodium calcium edetate	injection, 200 mg/ml in 5 ml ampoule
Sodium nitrite	injection, 30 mg/ml in 10-ml ampoule

5. Antiepileptics / Anticonvulsants

Carbamazepine	tablet, 100, 200 mg, 400 mg, Oral liquid 100mg/5ml
Diazepam	injection, 5mg/ml in 2- ml ampoule (intravenous or rectal)
Magnesium sulfate*	injection, 500 mg/ml in 2-ml ampoule.
* For use in eclampsia and severe pre-eclampsia and not for other convulsant disorders.	
Phenobarbital	tablet, 15 mg, 30 mg, injection 200mg/ml
Phenytoin	capsule or tablet, 25 mg, 50 mg, 100 mg (sodium salt); injection, 50 mg /ml (sodium salt) in 5-ml vial
Valproic acid	tablet (enteric coated), 200 mg (sodium salt), Oral liquid 200mg/5ml

6 Anti-infective Medicines

6.1 Anthelmintics

6.1.1 Intestinal Anthelmintics

Albendazole	tablet (chewable), 400 mg
Niclosamide	tablet (chewable), 500 mg

	Praziquantel	tablet, 150 mg, 600 mg
6.1.2	Antifilarials	
	Diethylcarbamazine	tablet, 50 mg, 100 mg (dihydrogen citrate)
6.2	Antibacterials	
6.2.1	Beta-lactam medicines	
	Amoxicillin	capsule or tablet, 250 mg, 500 mg (as trihydrate); dispersible tablet 125 mg (as trihydrate), powder for oral liquid, 125 mg/1ml
	Ampicillin	powder for injection, 500 mg (sodium salt)
	Benzathine benzylpenicillin	powder for injection, 600 000 IU, 1200 000 IU, 2400 000 IU in vial
	Benzylpenicillin (Penicillin G)	powder for injection, 300 mg (0.5 million IU), 600 mg (1 million IU) (as sodium or potassium salt) in vial
	Cephalexin	Capsule 250 mg (as monohydrate), Oral liquid 125/5 ml, 250/5 ml (anhydrous)
	Cefixime	tablet, 200,400* mg
	<i>*only listed for single-dose treatment of uncomplicated ano-genital gonorrhoea</i>	
	Cloxacillin	capsule, 250 mg, 500 mg; powder for oral liquid, 125 mg / 5ml; powder for injection, 500 mg (as sodium salt) in vial
	Phenoxymethylpenicillin (Penicillin V)	tablet, 250 mg (as potassium salt); powder for oral liquid, 250 mg/5 ml (as potassium salt)
	Procaine benzylpenicillin	powder for injection, 300,000 IU in vial
	Cefazolin*	powder for injection, 1g (as sodium salt) in vial
	<i>*For surgical prophylaxis</i>	
	Ceftriaxone	powder for injection, 250 mg (as sodium salt) in vial
6.2.2	Other Antibacterials	
	Azithromycin	capsule or tablet 250 mg, 500 mg; oral liquid, 200 mg /5ml.
	Chloramphenicol	capsule, 250 mg, 500 mg; oral liquid, 125 mg / 5ml (as palmitate); powder for injection, 1g (as sodium succinate) in vial

Ciprofloxacin	tablet, 250 mg, 500 mg (as hydrochloride)
Doxycycline	capsule, 100 mg (as hydrochloride)
Gentamicin	injection, 10 mg, 40 mg / ml (as sulfate) in 2-ml vial
Metronidazole	tablet, 200 mg, 400 mg; injection, 500 mg in 100-ml bottle; oral liquid, 100 mg, 200 mg (as benzoate) / 5ml
Nitrofurantoin	tablet, 100 mg
Sulfamethoxazole+Trimethoprim	dispersible tablet, 100mg+20 mg, 200 mg+ 40 mg; tablet 400 mg + 80 mg, 800 mg + 160 mg; oral liquid, 200mg + 40mg /5ml
Erythromycin	tablet, 250 mg (stearate); oral liquid, 250 mg / 5ml (stearate)
Nalidixic acid	tablet, 250 mg, 500 mg
Tetracycline	capsule 250 mg, 500 mg (as hydrochloride)
Vancomycin	powder for inj. 250 mg (as hydrochloride) in vial

6.2.3 Antileprosy Medicines

Clofazimine	capsule, 50 mg, 100 mg
Dapsone	tablet, 50 mg, 100 mg
Rifampicin	capsule or tablet 150 mg, 300 mg

(For the treatment of leprosy, combination therapy is essential to prevent the emergence of drug resistance)

6.2.4 Antitubercular Medicines

Ethambutol	tablet, 100 mg, 400 mg, 600 mg (hydrochloride)
Ethambutol + Isoniazid	tablet, 400mg + 150mg
Ethambutol + Rifampicin +Isoniazid	tablet, 275 mg + 150 mg+ 75 mg
Ethambutol + Rifampicin +Isoniazid+ Pyrazinamide	tablet, 275 mg+150 mg+ 75 mg + 400 mg
Isoniazid	tablet, 50mg, 100 mg, 300 mg
Isoniazid + Rifampicin	tablet, 60 mg+60 mg, 50 mg+75mg, 75 mg + 150mg
Isoniazid + Rifampicin + Pyrazinamide	tablet, 30 mg+ 60 mg+150 mg, 50 mg+75 mg+150 mg
Rifampicin	capsule or tablet, 150mg, 300mg, 450 mg
Streptomycin	powder for injection, 1 g (as sulfate) in vial

Complementary list: Second-line medicines for the treatment of multi-drug resistant tuberculosis (MDR-TB) – to be made available only in specialised centres adhering to standard treatment protocol.

Amoxicillin + Clavulanic acid	tablet, 500 mg + 125 mg, 875 mg+125 mg
Bedaquiline	tablet, 100mg
Capreomycin	powder for injection, 1 g in vial
Clofazimine	capsule, 100 mg
Cycloserine	capsule, 250 mg
Ethionamide	tablet, 125, 250 mg
Kanamycin	powder/solution for injection 1 g in vial/ ampoule
Levofloxacin*	tablet, 250 mg, 500 mg
Linezolid	tablet 300 mg
Moxifloxacin*	tablet, 400 mg
Ofloxacin*	tablet, 200 mg
<i>*To be decided based on availability and programme considerations.</i>	
P-aminosalicylic acid (PAS)	granules, 4 g, 9.2 g in sachet; tablet 500 mg
Pyrazinamide	tablet, 150 mg, 400 mg, 500 mg

6.3 Antifungal Medicines

Clotrimazole	cream, 1%; pessary 100 mg, mouth paint 1%w/v
Fluconazole	capsule or tablet, 150 mg
Nystatin	oral liquid 50 mg/5 ml, 100000IU/ml mouth paint

6.4 Antiviral Medicines

6.4.1 Antiherpes Medicines

Aciclovir	powder for injection 250 mg (as sodium salt) in vials; tablet 200/400/800 mg
-----------	---

6.4.2 Antiretrovirals

6.4.2.1 Nucleoside/Nucleotide Reverse Transcriptase Inhibitors

Abacavir (ABC)	tablet, 300 mg (as sulfate); oral liquid, 100 mg (as sulfate)/5ml
Lamivudine (3TC)	tablet, 150 mg; oral liquid 50 mg/5ml
Stavudine (d4T)	capsule, 15 mg, 20 mg, 30 mg; powder for oral

	Tenofovir disoproxil fumarate (TDF)	liquid, 5 mg/5ml tablet, 300 mg (equivalent to 245 mg tenofovir disoproxil)
	Zidovudine (ZDV or AZT)	capsule, 100 mg; tablet 300 mg; oral liquid 50 mg/ 5ml
6.4.2.2	Non-nucleoside Reverse Transcriptase Inhibitors	
	Efavirenz (EFV or EFZ)	capsule, 200 mg; tablet, 600 mg
	Nevirapine (NVP)	tablet, 200 mg; oral liquid, 50 mg/5ml, 50 MG
6.4.2.3	Protease Inhibitors	
	Indinavir (IDV)	capsule, 400 mg (as sulfate)
	Lopinavir + Ritonavir (LPV/r)	capsule 200 mg + 50 mg
	Nelfinavir (NFV)	tablet, 250 mg (as mesilate)
	Ritonavir	tablet 100 mg
	Saquinavir (SQV) +Ritonavir	oral dosage form, 1g+100 mg
6.4.2.4	Fixed-dose Combination	
	Abacavir + Lamivudine	tablet, 60mg + 30 mg
	Emtricitabine + Tenofovir	tablet, 200mg + 300 mg
	Lamivudine + Stavudine	tablet, 150 mg + 30 mg
	Lopinavir + Ritonavir	tablet, 100 mg + 25 mg
	Stavudine + Lamivudine + Nevirapine	tablet, 30 mg + 150 mg + 200 mg
	Zidovudine + Lamivudine	tablet, 60 mg + 30 mg, 300 mg + 150 mg
	Zidovudine + Lamivudine + Nevirapine	tablet, 60 mg + 30 mg + 50 mg, 300 mg + 150 mg + 200 mg
6.4.3	Other antiviral	
	Entecavir	tablet 0.5, 1 mg
	Oseltamivir	Capsule, 30/45/75 mg as phosphate, Oral powder 6 mg/ml
	Sofosbuvir	tablet 400 mg
6.5	Antiprotozoal Medicines	
6.5.1	Antiamoebic and Antigiardiasis Medicines	
	Metronidazole	tablet, 200mg, 400mg; oral liquid, 200 mg (as benzoate) / 5 ml.
	Tinidazole	tablet, 500mg
6.5.2	Antileishmaniasis Medicines	

Miltefosine		capsule, 50 mg
	Amphotericin B	powder for injection, 50 mg in vial (as deoxycholate or liposomal)
	Sodium stibogluconate	injection, 100mg/ml

6.5.3

Antimalarial Medicines

Artemether*		oily injection, 80 mg/ml in 1-ml ampoule.
<i>* For use in the management of severe malaria.</i>		
Artemether+lumefantrine*		tablet, 20 mg+ 120 mg
<i>* Not recommended in the first trimester of pregnancy or in children below 5 kg.</i>		
Artesunate		injection, ampoules, containing 60 mg anhydrous artesunic acid with a separate ampoule of 5% sodium bicarbonate solution; tablet 50 mg
<i>(To be used in combination with Sulfadoxine + Pyrimethamine.)</i>		
Chloroquine		tablet, 150 mg base (as phosphate or sulfate); oral liquid, 50 mg / 5ml (as phosphate or sulfate); injection, 40mg /ml in 5- ml ampoule (as phosphate, sulfate or hydrochloride)
Primaquine		tablet, 7.5 mg, 15 mg (as diphosphate)
Sulfadoxine + Pyrimethamine		tablet, 500 mg + 25 mg
<i>(To be used only in combination with Artesunate.)</i>		
	Quinine	tablet, 300 mg (as bisulfate or sulfate); injection, 300 mg (as dihydrochloride)/ ml in 2-ml ampoule.

7 Antimigraine Medicines

7.1 For Treatment of Acute Attack

Paracetamol	tablet, 500 mg
-------------	----------------

7.2 For Prophylaxis

Propranolol	tablet 20 mg, 40 mg (hydrochloride)
-------------	-------------------------------------

8 Antineoplastic, Immunosuppressives and Medicines Used in Palliative Care

8.1 Immunosuppressive Medicines

Cyclosporin	capsule 25 mg
-------------	---------------

8.2 Cytotoxic Medicines

Calcium folinate (Calcium leucovorin)	tablet, 15 mg
Chlorambucil	tablet, 2 mg, 5 mg

Cisplatin		powder for injection, 10 mg, 50 mg in vial.
Cyclophosphamide		tablet, 25 mg; powder for injection, 200 mg, 500 mg, 1 g in vial
Cytarabine		injection 100 mg, 500 mg in vial
Dacarbazine		powder for injection, 100 mg in vial
Dactinomycin		powder for injection, 500 mcg in vial
Daunorubicin		powder for injection 20 mg (as hydrochloride) in vial
Doxorubicin		powder for injection, 10 mg, 50 mg in vial
Epirubicin		injection, 10 mg, 50 mg (hydrochloride) in vial
Etoposide		tablet, 100 mg, injection 20 mg/ml in 5-ml ampoule
Fluorouracil		injection 50 mg/ml in 5-ml, 10-ml ampoule
Hydroxy urea		capsule 500 mg
Ifosfamide + Mesna		injection, 1g + 200 mg, in vial
Lomustine		capsule, 40 mg
Melphalan		tablet, 2 mg, 5 mg; powder for injection, 50mg in vial
Mercaptopurine		tablet, 50 mg
Methotrexate		tablet, 2.5/5/10 mg (as sodium salt); powder for injection 15 mg, 50 mg (as sodium salt) in vial
Mitomycin		powder for injection, 2mg, 10mg, 20mg in vial
Mitoxantrone		injection, 2 mg/ml in 10ml ampoule
Procarbazine		capsule 50 mg (as hydrochloride)
Vinblastine		powder for injection 10 mg (sulfate) in vial
Vincristine		powder for injection, 1 mg (sulfate) in vial
	Bleomycin	powder for injection, 15mg (as sulfate) in vial
	Carboplatin	injection 150 mg, 450 mg in vial

8.3 Hormones and Antihormones

Hydrocortisone		powder for injection, 100 mg (as sodium succinate) in vial
Tamoxifen		tablet, 20 mg (as citrate)
	Bicalitumide	tablet or capsule 50 mg
	Dexamethasone	Dexamethasone phosphate 4 mg /ml (as sodium

	Prednisolone	salt) in 2-ml ampoule tablet, 5 mg, 10 mg, 20 mg
8.4	Miscellaneous	
	Granulocyte Colony Stimulating Factor (GCSF)	injection, 30 million unit in vial
	Interferon	injection, 5 million units/ml in vial
	L-Asparaginase	injection, 5 000 IU, 10 000 IU in vial
	Ondansetron	injection, 2 mg/ml (as hydrochloride) in 2-ml, 4-ml vial; tablet 2mg, 4mg (as hydrochloride)
9	Antiparkinsonism Medicines	
	Levodopa + Carbidopa	tablet, 100 mg + 10 mg, 250 mg + 25 mg
	Trihexyphenidyl (benzhexol)	tablet, 2 mg (hydrochloride)
10	Medicines Affecting the Blood	
10.1	Antianaemia Medicines	
	Ferrous sulfate*	tablet, equivalent to 60 mg iron; oral liquid, equivalent to 25 mg iron/ ml
	Ferrous sulfate*+Folic acid	tablet, equivalent to 60 mg Iron+ 400 mcg Folic acid, oral drop.
	<i>*Ferrous fumarate may be used</i>	
	Folic acid	tablet, 5mg
	Iron Dextran	injection, equivalent to 50 mg iron/ml in 2-ml ampoule
10.2	Medicines Affecting Coagulation	
	Enoxaparin	injection 30mg/0.3ml, 60mg/0.6ml, 80mg/0.8ml
	Heparin sodium	injection, 1000 IU/ml, 5000 IU/ml, 20000IU/ml in 1-ml ampoule
	Phytomenadione	injection, 10mg /ml in 5-ml ampoule; tablet 10 mg
	Protamine sulfate	injection, 10mg/ml in 5-ml ampoule
	Warfarin	tablet, 1 mg, 2 mg, 5 mg (sodium salt)
	Acenocoumarol	tablet, 1mg
11	Blood Products and Plasma Substitutes	
11.1	Plasma Substitutes	
	Albumin, human	injectable solution, 20 or 25%
	Polygeline	injectable solution, 3.5%

11.2 Plasma Fractions For Specific Use

Factor VIII Concentrate dried concentrate

Factor IX complex dried concentrate

12 Cardiovascular Medicines

12.1 Antianginal Medicines

Glyceryl trinitrate tablet (sublingual), 500 mcg

Isosorbide dinitrate tablet (sublingual), 5 mg, 10 mg

Metoprolol tablet, 12.5,25,50 mg

Verapamil tablet, 40 mg, 80 mg (hydrochloride); injection, 2.5 mg / ml in 2-ml ampoule

12.2 Antiarrhythmic Medicines

Amiodarone tablet 100 mg, injection 50mg/ml

Digoxin tablet, 62.5 mcg, 250 mcg; oral liquid, 50 mcg / ml; injection, 250 mcg / ml in 2-ml ampoule

Epinephrine (Adrenaline) 100 mcg/ml (as acid tartrate or hydrochloride) in 10 ml ampoule

Isoprenaline injection, 1 mg (hydrochloride)/ml in vial

Lidocaine (Lignocaine preservative free) injection 2 % (hydrochloride) in vial

Metoprolol tablet, 12.5,25,50 mg

Disopyramide capsule, 100 mg, 150 mg

Procainamide tablet, 250 mg (hydro- chloride); injection, 100 mg /ml in 10-ml ampoule

12.3 Antihypertensive Medicines

Amlodipine tablet 2.5, 5 mg

Atenolol tablet 25, 50,100 mg

Enalapril tablet, 5 mg, 10 mg, 20 mg

Hydralazine injection 20 mg

Hydrochlorothiazide tablet, 25 mg, 50 mg

Labetalol injection 5 mg/ml 20 ml

Losartan tablet, 25, 50mg

Methyldopa* tablet, 250 mg

* Listed for the use in the management of pregnancy induced hypertension only

Nifedipine sustained release tablet, 10 mg, 20 mg

Prazosin sustained release tablet 500 mcg, 1mg (mesilate)

	Sodium nitroprusside	powder for infusion, 50 mg in ampoule
12.4	Medicines Used in Heart Failure	
	Digoxin	tablet, 62.5 mcg, 250 mcg; oral liquid, 50 mcg / ml; injection, 250 mcg / ml in 2-ml ampoule
	Furosemide	injection, 10 mg/ml in 2ml ampoule. tablet, 20, 40 mg
	Ramipril	tablet 2.5, 5 mg
	Spirolactone	tablet, 25 mg
	Dobutamine	injection, 12.5 mg/ml (as hydrochloride) in 20-ml ampoule
	Dopamine	injection 40mg/ml (hydrochloride) in 5- ml vial
12.5	Antithrombotic Medicines	
	Aspirin	tablet, 50mg, 75 mg, 100mg
	Clopidogrel	tablet 75 mg
	Streptokinase	injection 750000 IU, 1500 000 IU in vial
12.6	Lipid Lowering Agent	
	Atorvastatin	tablet, 10 mg, 20 mg (as calcium trihydrate)
	Fenofibrate	tablet, 80, 160 mg
13	Dermatological Medicines	
13.1	Antifungal Medicines	
	Benzoic acid + Salicylic acid	ointment or cream, 6% + 3%
	Clotrimazole	cream, 1%
	Fluconazole	capsule 150 mg
13.2	Anti-infective Medicines	
	Mupirocin	2 % cream/ont
	Povidone iodine	solution, 5%
	Silver sulfadiazine	cream, 0.2%
	Gentian violet (Methylrosanilinium chloride)	aqueous solution 1%
13.3	Anti-inflammatory and Antipruritic Medicines	
	Betamethasone	ointment or cream, 0.1% (as valerate)
	Calamine lotion	lotion, 15%
	Hydrocortisone	ointment or cream, 1% (acetate)

13.4	Medicines Affecting Skin Differentiation and Proliferation	
	Benzoyl peroxide	cream or lotion, 5%
	Salicylic acid	cream 10, 20, 40%
13.5	Scabicides and Pediculicides	
	Permethrin	lotion 1%, cream 5%
14	Diagnostic Agents	
14.1	Ophthalmic Medicines	
	Fluorescein	eye drops, 1%, 2% (sodium salt); injection, 10%, 20% (sodium salt) in 5-ml ampoule
14.2	Radiocontrast Media	
	Amidotrizoate	injection, 140-420 mg iodine/ml (as sodium or meglumine salt) in 20, 50 ml ampoule
	Barium sulfate	100-250% w/v in aqueous suspension
	Iohexol	injection, 140-350 mg iodine/ml in 10/20 ml ampoule
	Meglumine iotroxate	solution, 5-8 g iodine in 100-250 ml
15	Disinfectants and Antiseptics	
15.1	Antiseptics	
	Chlorhexidine	solution, 5% (digluconate) for dilution, solution* or ointment, 4 %
	*Only for umbilical cord stump care	
	Gentian violet (Methylrosanilinium chloride)	aqueous solution, 1%
	<i>(Powder may be supplied for preparation of solution at the health facility)</i>	
	Povidone iodine	solution, 5%, 10 % w/v
	Rectified spirit	liquid (90 % v/v)
15.2	Disinfectants	
	Chlorine based compound	powder, (0.1% available chlorine) for solution
	Glutaraldehyde	solution, 2%
16	Diuretics	
	Furosemide	tablet, 40 mg; injection, 10 mg/ml in 2-ml ampoule
	Hydrochlorothiazide	tablet, 25mg, 50 mg
	Mannitol	injectable solution, 10%, 20%

	Spironolactone	tablet, 25 mg, 100 mg
17	Gastrointestinal Medicines	
17.1	Antacids and Other Anti-ulcer Medicines	
	Dried aluminium hydroxide gel + Magnesium hydroxide*	tablet, 250 mg + 250 mg
	<i>(*Tablet containing Magnesium trisilicate 500 mg may be used.)</i>	
	Ranitidine	tablet, 150 mg, 300 mg (as hydrochloride); injection 25 mg/ml in 2-ml ampoule
	Omeprazole	capsule, 20 mg
17.2	Antiemetic Medicines	
	Granisetron	tablet 1, 2 mg
	Metoclopramide	tablet, 10 mg (hydrochloride); injection, 5 mg (hydrochloride)/ml in 2-ml ampoule
	Promethazine	tablet, 25 mg (theoclate); oral liquid, 5 mg (hydrochloride)/ 5ml;injection, 25 mg (hydrochloride) / ml in 2-ml ampoule
17.3	Anti-inflammatory Medicines	
	Sulfasalazine	tablet, 500 mg
17.4	Laxatives	
	Lactulose	solution, 3.35 mg / 5ml
	Magnesium sulfate	powder, 500 g
	Bisacodyl	tablet, 10 mg
	Ispaghula husk	oral powder
17.5	Medicines Used in Diarrhoea	
17.5.1	Oral Rehydration	
	Oral rehydration salts*	sachet containing: Dextrose, anhydrous 13.5 g, Sodium chloride 2.6 g, Potassium chloride 1.5 g, Trisodium citrate dihydrate 2.9g, appropriate flavour q.s. Dissolved to produce 1 litre, provides dextrose 75mEq, sodium 75 mEq or mmol/l, chloride 65 mEq or mmol/l, potasium 20 mEq or mmol/l, citrate 10 mmol/l and osmolarity 245 mOsm/l

** In case of cholera a higher concentration of sodium may be required.*

17.5.2 Medicine for Diarrhoea in Children

Zinc sulfate* dispersible tablet, equivalent to Zinc 10 mg, 20 mg (scored)

** In acute diarrhoea, zinc sulfate should be used as an adjunct to oral rehydration salts*

Zinc sulfate oral solution, 10 mg/5ml in 50- ml bottle

17.6 Antispasmodic Medicines

Hyoscine butylbromide tablet, 10 mg, 20 mg; injection, 20 mg/ml in 1-ml ampoule

Drotaverine hydrochloride tablet 40/80 mg

18 Hormones, Other Endocrine Medicines and Contraceptives

18.1 Adrenal Hormones and Synthetic Substitutes

Dexamethasone tablet, 500 mcg; injection, 4 mg/ml
dexamethasone phosphate (as sodium phosphate) in 1-ml ampoule

Hydrocortisone powder for injection, 100 mg (as sodium succinate) in vial; tablet, 10 mg, 20 mg

Prednisolone tablet, 5 mg, 10 mg

Fludrocortisone tablet, 100 mcg (acetate)

18.2 Androgens

Testosterone injection, 200 mg in 1-ml ampoule

18.3 Contraceptives

18.3.1 Oral Hormonal Contraceptives

Ethinylestradiol + Levonorgestrel tablet, 30 mcg +150 mcg, 20 mcg +1.0 mg.

Ethinylestradiol + Norethisterone tablet, 35 mcg + 1.0 mg,

Levonorgestrel tablet, 750 mcg (pack of two), 1.5 mg)

18.3.2 Injectable Hormonal Contraceptive

Medroxyprogesterone acetate depot injection, 150 mg / ml in 1-ml vial

18.3.3 Intrauterine Devices

Copper-containing devices

18.3.4	Barrier Methods	
	Condoms	
18.3.5	Implantable Contraceptives	
	Hormonal intrauterine device – multiple advantages	
	Intrauterine device with progestogen	
	Levonorgestrel-releasing implant	two-rod levonorgestrel-releasing implant, each rod containing 75 mg of levonorgestrel (150 mg total)
18.3.6	Miscellaneous	
	Ring pessary	
	Silicon ring pessary	
18.4	Estrogens	
	Ethinylestradiol	tablet, 50 mcg
18.5	Insulins and Other Antidiabetic Agents	
	Gliclazide	tablet 40,80 mg
	Insulin (soluble)	injection, 40 IU / ml in 10- ml vial
	Intermediate acting insulin	injection, 40 IU / ml in 10- ml vial (as compound insulin zinc suspension or isophane insulin)
	Metformin	tablet, 500 mg (hydrochloride), 850 mg
	Glipizide	tablet, 2.5 mg, 5 mg
18.6	Ovulation Inducers	
	Clomifene	tablet, 50 mg (citrate)
18.7	Progestogens	
	Norethisterone	tablet, 5 mg
	Medroxyprogesterone acetate	tablet, 5 mg
18.8	Thyroid Hormones and Antithyroid Medicines	
	Carbimazole	tablet, 5 mg
	Levothyroxine	tablet, 25, 50, 75, 100 mcg (sodium salt)
	Lugol's Iodine	oral solution (Iodine 5%+Potassium iodide 10%)
18.9	Posterior Pituitary Hormone	
	Desmopressin	injection, 4 mcg/ml; nasal spray 10 mcg / metered spray

19 Immunologicals

19.1 Diagnostic Agents

Tuberculin, purified protein derivative (PPD) injection

19.2 Sera and Immunoglobulins

Anti-D immunoglobulin (human) injection, 250 mcg in single dose vial

Antirabies hyperimmune serum injection, 1000 IU in 5-ml ampoule

Polyvenum antsnake serum injection in vial

Tetanus antitoxin injection, 1 000 IU/ml, 3000 IU/ml in vial

Tetanus immunoglobulin (human) injection, 500 IU in vial

19.3 Vaccines

19.3.1 For Universal Immunization

BCG vaccine

Diphtheria, Tetanus, Pertussis, Hepatitis B vaccine

Diphtheria, Tetanus, Pertussis, Hepatitis B, *Haemophilus influenzae* type b vaccine

Measles vaccine (live attenuated)

Poliomyelitis (oral) vaccine

Tetanus toxoid vaccine

19.3.2 For Specific Groups of Individuals

Diphtheria Antitoxin vaccine

Hepatitis A vaccine

Hepatitis B vaccine

Human papiloma vaccine (HPV) vaccine

Influenza vaccine

Japanese Encephalitis SA 14-14-2 strain live attenuated vaccine

Meningococcal meningitis vaccine

Mumps vaccine

Rubella vaccine

Typhoid vaccine

Yellow fever vaccine vaccine

Rabies vaccine, freeze-dried vaccine

20 Muscle Relaxants (Peripherally Acting) and Cholinesterase Inhibitors

Neostigmine tablet, 15 mg (bromide); injection 500 mcg, 2.5 mg (metilsulfate) in 5-ml ampoule

Pancuronium bromide	injection, 2 mg / ml in 2-ml ampoule
Suxamethonium chloride	injection, 50mg /ml in 10 vail
Vecuronium bromide	powder for injection 10 mg in vial
Atracurium	powder for injection, 25,50, 100 mg injection

21 Ophthalmological, Ear, Nose and Throat Preparations

21.1 Ophthalmological Preparations

21.1.1 Anti-infective Agents

Aciclovir	ointment, 3%
Fluconazole	0.3% eye drop
Gentamicin	solution (eye drops), 0.3% (sulfate)
Chloramphenicol	applicap, 1%
Ciprofloxacin	eye/ear drops, 0.3% (as hydrochloride); eye ointment, 0.3%
Ofloxacin	eye drop 0.3 %
Tetracycline	eye ointment, 1% (hydrochloride)

21.1.2 Anti-inflammatory agents

Prednisolone	solution (eye drops), 0.5%
--------------	----------------------------

21.1.3 Local Anaesthetics

Lidocaine (Lignocaine)	injection, 2%, 4% (topical)
Proparacaine	solution (eye drops), 0.5%
Tetracaine	solution (eye drops), 0.5%

21.1.4 Miotics and antiglaucoma medicines

Acetazolamide	tablet, 250 mg
Pilocarpine	solution (eye drops), 2%, 4% (hydrochloride)
Timolol	solution (eye drops), 0.5 % (maleate)

21.1.5 Mydriatics

Atropine	solution (eye drops), 1% (sulfate)
Tropicamide	solution (eye drop), 0.5%

21.2 Ear, Nose and Throat Preparations

Betamethasone	ear drops/cream 0.05 %
Bismuth Iodoform Paraffin	solution, 70%
Chloramphenicol	ear drops, 5%
Ciprofloxacin	0.3% drops (as hydrochloride)
Clotrimazole	ear drops 1%

	Ichthammol + Glycerin,	ear drop, 10%+5%
	Lidocaine (Lignocaine)	topical (viscous), 2%, 4%
	Oxymetazoline	solution (nasal drops), 0.025%, 0.05%
	Sodium bicarbonate + Glycerin	ear drops, 1%+5%
21.3	Dental	
	Benzocaine	solution 20%
	Chlorhexidine	solution, 0.2% (gluconate)
	Clove oil	oil
	Zinc oxide	powder
22	Oxytocics and Antioxytocics	
22.1	Oxytocics	
	Methylergometrine	injection, 200 mcg (maleate) /ml in ampoule
	Oxytocin	injection, 5 IU/ml in 1-ml ampoule
	Mifepristone*+Misoprostol	tablet, 200mg+200 mcg
	<i>*Combi-pack, containing 1 tablet of mifepristone and 4-tablet of misoprostol. Requires close medical supervision. Approved for abortion services only in listed sites.</i>	
	Misoprostol	tablet, 200 mcg, vaginal tablet, 25 mcg
22.2	Anti-oxytocics	
	Nifedipine	capsule 10 mg
	Terbutaline	injection 0.5 mg/ml
23	Peritoneal Dialysis Solution	
	Intraperitoneal dialysis solution	parenteral solution of appropriate composition
24	Psychotherapeutic Medicines	
24.1	Medicines Used in Psychotic Disorders	
	Chlorpromazine	tablet, 50 mg, 100 mg (hydrochloride); oral liquid, 25 mg (hydrochloride) / 5ml;
	Fluphenazine	injection, 25 mg (decanoate or enantate) in 1-ml ampoule.
	Haloperidol	tablet 2 mg, 5 mg; injection, 5 mg in 1-ml ampoule
	Olanzapine	tablet 2.5, 5, 10 mg
	Resperidone	tablet, 1 mg, 2mg
	Thioridazine	tablet, 10mg, 25mg, 100mg

24.2 Medicines Used in Mood Disorders

24.2.1 Medicines used in depressive disorders

Amitriptyline	tablet, 10 mg, 25 mg, 75 mg (hydrochloride)
Fluoxetine	capsule or tablet, 20 mg (as hydrochloride)

24.2.2 Medicines Used in Bipolar Disorders

Lithium carbonate	capsule or tablet, 300 mg (sustained release)
-------------------	---

24.3 Medicines Used in Generalised Anxiety and Sleep Disorders

Chlordiazepoxide	tablet, 10 mg, 25 mg
Diazepam	tablet 2 mg, 5 mg
Lorazepam	tablet, 1, 2 mg

24.4 Medicines Used for Obsessive Compulsive Disorders and Panic Attacks

Clomipramine	capsules, 10 mg, 25 mg (hydrochloride)
--------------	--

24.5 Medicines Used in Substance Dependence Programmes

Methadone*	concentrate for oral liquid, 5 mg/ml, 10 mg/ml (hydrochloride), oral liquid, 5 mg/5ml, 10 mg/5 ml, tablet 5 mg
Buprenorphine*	sublingual tablet, 200 mcg

**The medicines should only be used within an established support programme.*

Disulfiram	tablet, 200 mg
------------	----------------

25 Medicines Acting on the Respiratory Tract

25.1 Antiasthmatic and Medicines for Chronic Obstructive Pulmonary Disease

Aminophylline	injection, 25 mg/ml
Epinephrine (Adrenaline)	injection, 1 mg (as hydrochloride or acid tartrate) in 1-ml ampoule.
Hydrocortisone	injection (sodium succinate) 100 mg, 200 mg in vial; tablet, 10 mg
Ipratropium bromide	inhalation, 20 mcg/ dose
Salbutamol	tablet, 2 mg, 4 mg (as sulfate); inhalation 100 mcg/dose, rotacap 200 mcg (as sulfate) per dose; oral liquid, 2mg (as sulfate)/5ml; injection 50mcg /ml in 5-ml ampoule
Beclomethasone	inhalation (aerosol), 50mcg (as dipropionate) per dose

26	Solution Correcting Water, Electrolyte and Acid Base Disturbances	
26.1	Oral	
	Oral rehydration salts	sachet containing: Dextrose, anhydrous 13.5 g, Sodium chloride 2.6 g, Potassium chloride 1.5 g, Trisodium citrate dihydrate 2.9 g, appropriate flavour q.s. Dissolved to produce 1 litre, provides Dextrose 75 mEq, sodium 75 mEq or mmol/l, chloride 65 mEq or mmol/l, potassium 20 mEq or mmol/l, citrate 10 mmol/l and osmolarity 245 mOsm/l
26.2	Parenteral	
	Compound solution of Sodium lactate (Ringer's Lactate)	injectable solution
	Glucose	injectable solution, 5% isotonic, 50% hypertonic
	Glucose with Sodium chloride	injectable solution, 5% glucose, 0.9% sodium chloride
	Potassium chloride	injection, 15% in 20ml ampoule
	Sodium chloride	injectable solution, 0.9% isotonic
	Sodium bi-carbonate	injectable solution 7.5 % solution in 10-ml ampoule
26.3	Miscellaneous	
	Water for injection	5-ml, 10-ml ampoule
27	Vitamins and Minerals	
	Ascorbic acid	tablet, 500 mg
	Calcium gluconate	injection, 100 mg / ml in 10-ml ampoule
	Cynocomalamin	injection 30 mcg/ml
	Ergocalciferol	capsule or tablet, 1.25 mg (50 000 IU) oral solution, 250 mcg/ ml) (10000 IU / ml)
	Pyridoxine	tablet, 25 mg (hydrochloride)
	Retinol	tablet (sugar coated), 10000 IU; capsule, 20000 IU (as palmitate); oral oily solution, 100 000 IU/ ml in multi-dose dispenser; water miscible injection, 100 000 IU (as palmitate) in 2-ml

	Retinol +DL-alpha-tocopherol	ampoule Retinol (as palmitate)+DL-alpha-tocopherol or tocopheryl acetate, soft gel capsule, 200 000 IU+ 40 IU, 100 000 IU+ 20 IU, 50 000 IU+ 20 IU
	Riboflavin	tablet, 5 mg
	Thiamine	tablet, 100 mg (as hydrochloride)
28	Specific Medicines for Neonatal Care	
28.1	Medicines administered to the neonate	
	Caffeine citrate	Injection, 20mg/ml (equivalent to 10 mg caffeine base/ml); Oral liquid: 20 mg/ml (equivalent to 10 mg caffeine base/ml)
	Chlorhexidine	Solution or gel: 7.1% (digluconate) delivering 4% chlorhexidine (for umbilical cord care)
29	Medicines for Diseases of Joints	
29.1.	Medicines Used to Treat Gout	
	Allopurinol	tablet, 100 mg, 300 mg
	Colchicine	tablet, 500 mcg
29.2	Disease Modifying Agents Used in Rheumatic Disorders (DMARDs)	
	Methotrexate	tablet, 2.5 mg (as sodium salt)