



ESSENTIAL MEDICINES LIST



Department of Health Government of Punjab



ESSENTIAL MEDICINES LIST

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Abstract

The Department of Health, Government of Punjab, formally approached the USAID | DELIVER PROJECT in 2012, seeking technical support to develop EMLs for the primary- and secondary-level health facilities in the province. The project quickly mobilized its resources to respond to this request; they developed customized EMLs after detailed consultation with all stakeholders, including health and medical professionals from the WHO (Pakistan office), as well as the districts. The Department of Health, Government of Punjab, is pleased to announce the first-ever province-specific EMLs for primary- and secondary-level health facilities; they meet WHO standards and WHO Pakistan has endorsed them.

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ACRONYMS

BOD	burden of disease
CDC	Centers for Disease Control and Prevention
DOH	Department of Health
DRAP	Drug Regulatory Authority of Pakistan
EDL	Essential Drugs List
EML	Essential Medicines List
ENT	ear; nose, throat
EPI	Expanded Programme on Immunization
GIT	gastrointestinal
HCl	hydrochloride
HSRU	Health Sector Reform Unit
IDU	injecting drug user
INN	international non-proprietary names
IU	international unit
MDR	multidrug-resistance
MIU	million international units
MOH	Ministry of Health

ACRONYMS

MSW	male sex worker
NCD	non-communicable disease
NEML	National Essential Medicines List
PIH	pregnancy induced hypertension
PVRV	purified vero cell rabies vaccine
PPR	Punjab Procurement Rules
UNICEF	United Nations Children's Fund
USAID	U.S. Agency for International Development
WHO	World Health Organization
w/v	weight by volume

SYMBOLS AND TERMS

Note: The drugs listed in this medicines list are generic drugs; therefore, the names of the medicines are always written in lowercase letters.

The following symbols are used throughout this list of medicines:

- ▣ Primarily indicates similar clinical performance within a pharmacological class.
- ✳ Indicates that the medicine has an age or weight restriction.
- © Signifies a specific indication for restricting its use for children.

FOREWORD

The right to health is a fundamental human right and provision of essential medicines is one of the essential components of primary health care. A standardized Essential Medicines List can meet end users' requirements and help rationalizing the purchase and distribution of medicines, thereby, reducing costs of the healthcare.

The World Health Organization (WHO) defines Essential Medicines as “*those that satisfy the priority health care needs of the population*”. They are intended to be available within the context of functioning health systems at all times in adequate amounts, in the appropriate dosage forms, with assured quality, and at a price the individual and the community can afford.

Before 2011, it was the responsibility of the Federal Ministry of Health to develop and update Essential Medicines Lists (EMLs) while provinces were maintaining medicines procurement lists based on their field requirements. However, after the 18th Constitutional Amendment in June 2011, when all administrative and financial powers were devolved to the provinces, it was acknowledged by the Department of Health, Government of Punjab, that there should be segregated lists of essential medicines for each facility level.

The Department of Health, Government of Punjab, formally approached USAID | DELIVER PROJECT in 2012, for seeking technical support to develop EMLs for the primary and secondary level health facilities in the province. The Project quickly mobilized its resources to respond this request and developed customized EMLs after detailed consultation with all stakeholders, including health and medical professionals from the WHO (Pakistan office) as well as districts. The Department of Health, Government of Punjab, is pleased to announce the first ever province-

FOREWORD

specific EMLs for primary and secondary level health facilities that meet WHO standards and have also been endorsed by WHO Pakistan. The EMLs have been distributed among all stakeholders up to districts level for implementation.

The Department of Health will convene a provincial committee in Punjab with a proportionate representation of health and medical professionals. This committee will be reviewing and updating the EMLs regularly based on end users' requirements and an updated version will be available at <http://health.punjab.gov.pk>.

I would like to express my gratitude to USAID/Pakistan for providing the support through USAID | DELIVER PROJECT for development of province-specific standard EMLs for Punjab. I am also grateful to the WHO/Pakistan for extending their technical support in the accomplishment of the EMLs. Their concurrent support will contribute to ensuring transparency and value for money in procurement, enhancing performance of health professionals, and ensuring availability of quality medicines for the people of Punjab.



Dr. Ijaz Munir
Secretary,
Department of Health
Government of Punjab

ACKNOWLEDGMENT

The Essential Medicines Lists (EMLs) have been developed for primary and secondary level healthcare facilities of the Department of Health (DOH), Government of Punjab, with the technical and financial support of United State Agency for International Development (USAID)-funded USAID | DELIVER PROJECT, and with the technical guidance of the World Health Organization (WHO) Pakistan Office. Moreover, the health and medical professionals from district health offices and public sector health institutions of Punjab have also contributed and provided valuable inputs in finalizing the EMLs.

I would like to express my deepest appreciation to all relevant public sector stakeholders, development partners, health specialists and medical professionals from WHO/Pakistan for reviewing, contributing, guiding and supporting the development of the EMLs for primary and secondary healthcare facilities of Punjab.

The DOH highly appreciates the auspicious and productive support of USAID/Pakistan towards strengthening the health sector of the Punjab province. I would like to thank Mr. Randolph Augustin, Director, Health Office, USAID | Pakistan and Mr. Khalid Saeed Bukhari of WHO Pakistan for their leadership and coordinated support enabling the USAID | DELIVER PROJECT to successfully produce the EMLs.

We also wish to appreciate Dr. Muhammad Tariq, Country Director, USAID | DELIVER PROJECT Pakistan for his leadership role and his dedicated team for their devoted efforts and support provided in developing the EMLs.



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ESSENTIAL MEDICINES

Medicines have a major role in protecting, maintaining, and restoring health. Policymakers and departments implementing health activities and programs are responsible for providing appropriate quality medicines, in adequate quantities, at reasonable prices.

However, to ensure equitable access to quality medicines and to promote their rational use, developing countries still face challenges—even though governments, development agencies, and the World Health Organization (WHO) continue their efforts. Recently, the reforms in health sector financing, globalization, and economic recessions have shown improved access to essential medicines.

The publication, *WHO Model List of Essential Medicines* (WHO 2011b), is a guide for developing national and institutional essential medicines lists. This model list is regularly revised.

Essential medicines are—

- intended to satisfy the priority healthcare needs of the population
- selected with regard to disease prevalence, evidence on efficacy and safety, and comparative cost effectiveness
- intended to be available within the context of functioning health systems, at all times; in adequate amounts, in appropriate dosage forms, with assured quality, and at a price the individual and the community can afford

- one of the most cost-effective elements in modern healthcare; their potential health impact is enormous.

The WHO list is regularly updated with a selection of medicines that reflect new therapeutic options and changing therapeutic needs. It helps to ensure drug quality and to continue developing better medicines—medicines for emerging diseases and medicines to meet changing resistance patterns.

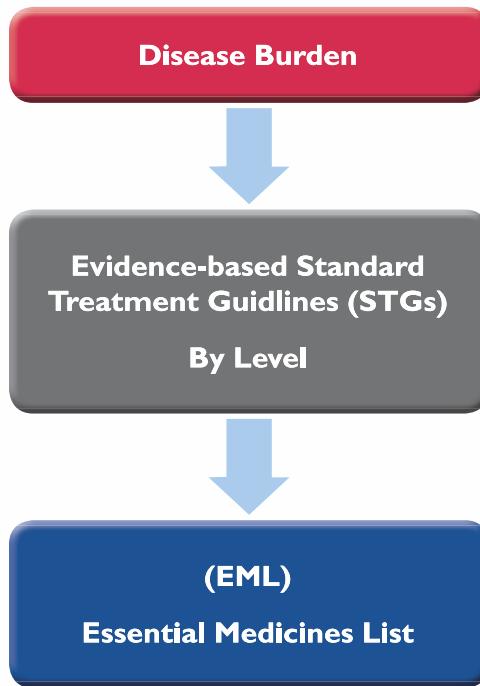
WHAT ARE ESSENTIAL MEDICINES?

Since 2002, essential medicines have been defined as “*those that satisfy the priority health-care needs of the population. They are selected with due regard to public health relevance, evidence on efficacy and safety, and comparative cost-effectiveness. Essential medicines are intended to be available within the context of functioning health systems at all times in adequate amounts, in the appropriate dosage forms, with assured quality and adequate information, and at a price the individual and the community can afford. The implementation of the concept of essential medicines is intended to be flexible and adaptable to many different situations; exactly which medicines are regarded as essential remains a national responsibility.*” This definition evolved from the first definition in 1977 (WHO 1977), which was adopted in the Alma-Ata Declaration of 1978 (WHO 1978). The main change has been the selection process—from an experts-based approach to an evidence-based approach.

An EML includes a limited number of carefully selected medicines. These lists have been published as formularies and institutional lists of medicines, which are made available to health facilities and health workers. The list may not always be called an EML; but, whatever name is used, they all serve the same function. EMLs have been one cornerstone of public health delivery and the basis for efforts to ensure consistent medicine supply and management. It is an important strategy for improving access to and use of medicines, especially for the vulnerable segment of a population. Furthermore, an EML can be an advocacy tool to help countries spend their limited resources on the medicines that are most needed and that offer the best value for the money.

WHO recommends the following process to develop a national EML (see figure 1).

Figure 1. Development of Essential Medicines List



PAKISTAN NATIONAL ESSENTIAL MEDICINES LIST

To address the disease burden in Pakistan, as noted above, the National Essential Medicines (Drugs) List (NEML) of Pakistan was first prepared in 1994, after consultations with experts in the field. The list was reviewed in 1995, 2000, 2003, and 2007. The former Federal Ministry of Health (MOH) previously published and disseminated this list to healthcare professionals as part of an

effort to increase the acceptability of the concept, as envisaged in the National Drug Policy. The former MOH expected the provincial health departments and the local health authorities to procure the drugs recommended on the list. Although the list was not followed exactly in practice, the concept remains the best cost-effective mechanism for the public procurement of drugs; therefore, using the EML should be encouraged.

Recently the Drug Regulatory Authority of Pakistan (DRAP), in collaboration with WHO Pakistan, has prepared and published the National EML 2014.

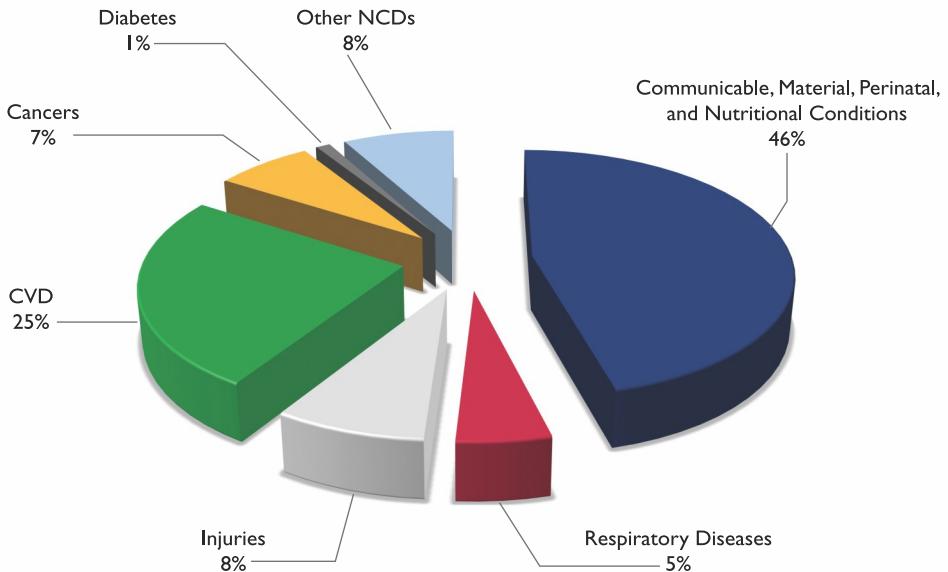
WHO discourages using the term Essential Drugs Lists (EDL) because the word Drugs is also commonly used for narcotics and other stimulant drugs. Therefore, WHO recommends using the title Essential Medicines List (EML).

PAKISTAN FACING A DOUBLE BURDEN OF DISEASE

The burden of disease (BOD) in Pakistan is dominated by communicable diseases, reproductive health problems, and malnutrition; which, collectively, account for about 50 percent of the total (WHO 2013). This includes a high maternal mortality ratio (276/100,000 live births); low antenatal care coverage (61 percent); frequent complications of pregnancy and child birth; low family planning coverage (30 percent); and a high ratio of children under 5 years, infant, and neonatal mortality (94, 78, and 54/1,000 live births, respectively). Malnutrition in the young is an underlying cause of more than 50 percent of the deaths—one-fifth of newborns have low birth weight and 38 percent of children under 5 years of age are underweight. These health issues are aggravated by a low exclusive breastfeeding rate for infants' under 6 months (37 percent of children) and low vaccination coverage (47 percent). Added to this burden are non-communicable diseases (NCD), including cardiovascular disease, diabetes, cancer, injuries, and neuro-psychiatric disorders. This double BOD is a major challenge in the health sector of Pakistan. Respiratory infections and diarrheal diseases are still the major fatal diseases in Pakistan, particularly for children under 5. Pakistan is the second country (after India) in Southeast Asia that is moving toward a concentrated HIV and AIDS epidemic stage for groups like injecting drug users (IDUs) and male sex workers (MSWs). The percentage

mortality rates for Pakistan for 2008 estimates are represented in figure 2 (WHO 2011a).

Figure 2. Percentage of Total Deaths for All Ages in Pakistan



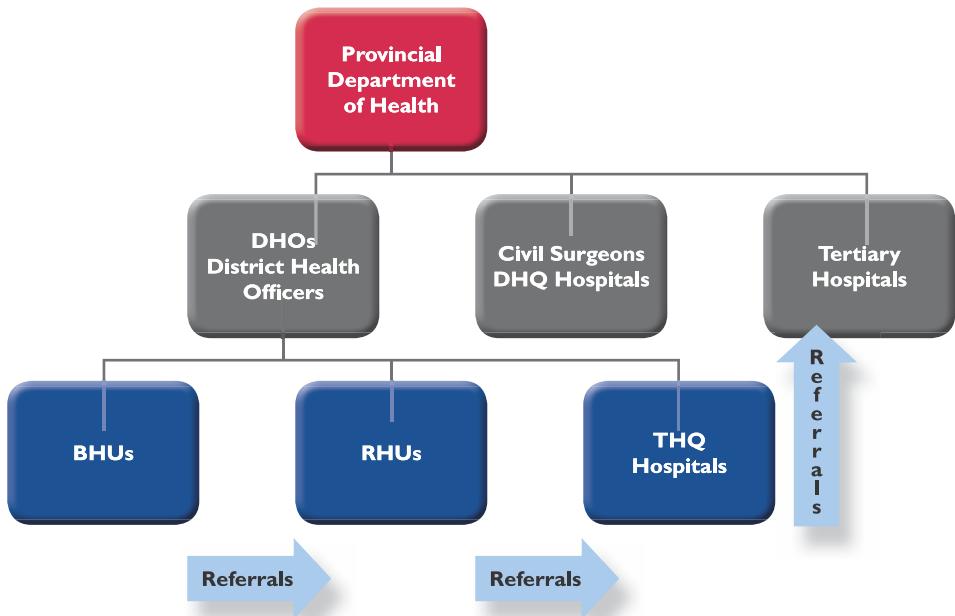
ACTIVITIES AND PROCESS ADOPTED TO DEVELOP EMLS

Extensive Internet research produced data and other available information, including websites for WHO, United Nations Children's Fund (UNICEF), Centers for Disease Control and Prevention (CDC), Department of Health (DOH) Punjab, Punjab Health Sector Reform Unit (HSRU), and many other relevant resource organizations. To access information on available EMLs and procurement lists, consultative meetings were held with the WHO Pakistan

team, as well as the provincial- and district–health officials. All the material/information collected was reviewed; a completed situation analysis identified the gaps and challenges.

After completing these steps, recommended procurement lists for essential drugs/medicines were developed for each primary- and secondary-level healthcare facility for the Department of Health, Punjab. These lists are based on the *WHO Model List of Essential Medicines*, WHO treatment guidelines and feedback, and observations from visits to health facilities. The draft lists were shared with WHO Pakistan; after several consultations, a final draft was endorsed by WHO, which was then shared with the provincial- and district–health officials of Punjab in a consultative workshop (see figure 3). The recommendations from the workshop were incorporated and the Punjab Health Department approved the lists for implementation across the province.

Figure 3. Structure of Provincial Health System



USING THE ESSENTIAL MEDICINES LIST

Use the EML for standardized procurement. The EML uses the international non-proprietary names (INN) classification, which is the official shortened scientific name or generic name of the medicine, based on the active ingredient. Using the INN reduces the risk of duplication, confusion, or errors in identifying a product. For example, cotrimoxazole—the official or generic name—is easier to recognize and remember than the range of alternatives, such as Septran, Bactrim, etc.; and it avoids mistakes in prescribing, dispensing, and ordering. Generic drugs/medicines are also usually much cheaper than proprietary drugs. Rule 10 of Punjab Procurement Rules (PPR) 2014 also prohibits the use of proprietary or brand names.

EMLs help simplify the quantification of drug requirements and the training for those prescribing and dispensing drugs. If only a limited number of drugs are used, health workers will be more familiar with indications, dosages, side effects, and contraindications.

EXPLANATORY NOTES

The segregated core lists presents the list of minimum medicine needs for a basic healthcare system; it lists the most efficacious, safe, and cost-effective medicines for priority conditions. Priority conditions are selected on the basis of current and estimated future public health relevance and the potential for safe and cost-effective treatment.

	The square box symbol primarily indicates similar clinical performance within a pharmacological class. The listed medicines are examples of the class with the best evidence for effectiveness and safety. In some cases, this may be the first medicine licensed for marketing; in other cases, subsequently licensed compounds may be safer or more effective. If the efficacy and safety data are the same, the listed medicine is the one that is generally available at the lowest price, based on international drug price information sources. Not all square boxes are applicable to medicine selection for children. Therapeutic equivalence is only indicated based on the reviews of efficacy and safety and when consistent with WHO clinical guidelines.
	The symbol indicates an age or weight restriction for the medicine; see table I for details for each medicine.
	The symbol signifies a specific indication for restricting its use for children.

An entry on the EML carries no assurance of pharmaceutical quality. It is the responsibility of the relevant procurement authority to ensure that each product is of appropriate pharmaceutical quality (including stability); and that, when relevant, different products are interchangeable.

Medicines and dosage forms are listed in alphabetical order within each section; one form is not preferred over another. Consult standard treatment guidelines for information on appropriate dosage forms.

Table 1. Medicines with Age or Weight Restrictions

atazanavir	>25 kg
atropine	>3 months
benzyl benzoate	>2 years
betamethasone topical preparations	hydrocortisone preferred for neonates
cefazolin	>1 month
ceftriaxone	>41 weeks corrected gestational age
chlorphenamine	>1 year
diloxanide	>25 kg
doxycycline	>8 years (except for serious infections, e.g., cholera)
efavirenz	>3 years or >10 kg
emtricitabine	>3 months
fluoxetine	>8 years
ibuprofen	>3 months (except IV form for patent ductus arteriosus)
mefloquine	>5 kg or >3 months
metoclopramide	not for neonates
ondansetron	>1 month
saquinavir	>25 kg
silver sulfadiazine	>2 months
tetracaine	not for preterm neonates
trimethoprim	>6 months
xylometazoline	>3 months

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EML FOR BHUs

- ▣ Primarily indicates similar clinical performance within a pharmacological class.
- ✳ Indicates that the medicine has an age or weight restriction.
- © Signifies a specific indication for restricting its use for children.

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
A	Anesthetics Local	1	lidocaine (hydrochloride)	vial/ ampoule topical	2%w/v (10ml) 2%gel (15 gm)
B	Analgesics / NSAIDs	2	acetosalicylic acid (dispersible/soluble)	tablets	100 mg to 500 mg
		3	diclofenac (sodium)	suppository tablets	50 mg to 150 mg 50mg
		4	ibuprofen	ampoule tablets	75 mg in 3ml 200mg, 400 mg 200mg/5ml
		5	paracetamol	tablets syrup	500 mg 125 mg / 5ml
C	Antiallergics and Medicines used in Anaphylaxis	6	chlorpheniramine (hydrogen maleate)	tablets syrup	4 mg 2.5mg / 5ml
		7	dexamethasone (disodium phosphate)	injection	4 mg / ml
		8	hydrocortisone (sodium succinate)	injection	100mg, 250 mg
		9	loratadine	tablets syrup	10 mg 1 mg/ml
		10	pheniramine (maleate)	injection syrup	22.7mg/2ml 1 mg/ml
ANTI-INFECTIVES					
D	Antibiotics/ Antimicrobials	11	amoxicillin (preferably dispersible tablets)	capsules/table t syrup	250mg, 500 mg 125mg & 250mg /5ml
		12	ampicillin (as sodium salt)	injection	250mg, 500 mg
		13	ciprofloxacin (hydrochloride)	injection tablets	500 mg and 1 g 250mg, 500 mg
		14	cotrimoxazole (sulfamethoxazole + trimethoprim)	tablets syrup	400mg + 80 mg 200mg + 40mg/5 ml
		15	metronidazole	tablets syrup	200mg, 400 mg 200 mg / 5ml
E	Antihelminthic	16	mebendazole (chewable)	tablets	500 mg (with caution only for

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
F	Anti-Fungal	17	Clotrimazole	suspension skin cream	100mg/5ml 500,000 IU
		18	nystatin	pessary tablets drops ☺	100,000 IU 1 % w/v 100mg and 500 mg
G	Anti-Tuberculosis Medicines <small>As per TB Control Program guidelines</small>	19	isoniazid + rifampicin	tablets	75mg + 150mg and 150mg + 300mg
		20	rifampicin + isoniazid + pyrazinamide + ethambutol	tablets	150mg+75mg+400mg+275 mg
		21	ethambutol + isoniazid + rifampicin	tablets	275mg + 75mg + 150 mg
H	Antimalarials <i>For Vivax</i>	22	chloroquine (phosphate or sulfate)	tablets	150 mg
		23	primaquine (diphosphate)	tablets	15 mg
		24	artesunate plus sulfadoxine and pyrimethamine	tablets	co blister of (6+2) tablets. two large tablets, has sulfadoxine 500mg U.S.P. + pyrimethamine 25mg U.S.P & 6 small tablets, each contains artesunate 50mg U.S.P.
	<i>For Falciparum</i>				co blister of (6+3) tablets. 3 large tablets each has sulfadoxine 500mg U.S.P.+ pyrimethamine 25mg U.S.P. 6 small tablets, each tablet contains artesunate 100mg U.S.P.
I	Anti-Diabetics <i>To be used in combination (co blister)</i>	25	artesunate plus sulfadoxine and pyrimethamine	tablets	
J	Cardiovascular Medicines	26	glibenclamide	tablets	5 mg
		27	metformin (hydrochloride)	tablets	500 mg
		28	amlodipine	tablet	5mg, 10mg
		29	atenolol	tablet	50mg
		30	enalapril (maleate)	tablets	5mg, 10 mg
		31	furosemide ☺	tablets	20mg, 40mg

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
	For severe PIH only	32	methyldopa	injection tablets	10 mg 250 mg 20mg/ml
K	GI/T Medicines	33	hyoscine (butylbromide)	injection tablets	10 mg
		34	metoclopramide (hydrochloride) †	tablets syrup injection	10 mg 5 mg / 5ml 5mg/ml
		35	omeprazole □	capsules tablet	10mg; 20mg; 40mg 150mg
		36	ranitidine	injection	25 mg / ml in 2ml
		37	aluminum hydroxide + magnesium trisilicate	tablets	250mg +500mg
	Recommended in combination with Zinc Sulphate 20 mg dispersible tablet in case of acute diarrhea	38	ORS (low osmolarity)	sachet	dry mixture (low osmolarity formula) in sachet for 1 liter of solution; each sachet contains glucose anhydrous 13.5gm B.P., trisodium citrate dihydrate 2.9 gm B.P., potassium chloride 1.5gm B.P., sodium chloride 2.6gm B.P.
L	Respiratory Medicines	39	salbutamol (sulfate) □	tablets syrup solution	2 and 4 mg 2mg/5ml 5 mg/ml for nebulizer
		40	aminophylline	injection	25 mg/ml
M	Miscellaneous	41	atropine (sulfate) †	ampoule powder	1 mg in 1ml 10 mg
		42	charcoal activated	gel or rectal solutions	5 mg/ml in 0.5 ml; 2-ml; 4-ml tubes
		43	diazepam	injection	
	For eclampsia only	44	magnesium sulphate		
		45	oxygen concentrator / cylinder		
N	Ophthalmic / ENT	46	borglycerine	ear drops (only for wax	wax) 40 %

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form removing)	Strength
		47	polymyxin B sulphate + lignocaine	ear drops	each ml is containing polymyxin B (sulphate) 1000IU + propylene glycol:0.92ml + lignocaine:50mg; 5ml plastic bottle .
		48	chloramphenicol *	eye drops	0.50%
		49	gentamicin (sulfate)	eye drops	0.30%
		50	polymyxin B (sulphate)+ bacitracin zinc dextrose + saline	eye ointment	10000IU/g + 500IU/g
O	I/V Infusions Plasma Substitutes	51		infusion	5 % + 0.9% w/v (1000ml)
		52	dextrose	infusion	5, 10 % (1000ml)
		53	normal saline	infusion	0.9% (1000ml)
					infusion, 1000ml contains calcium chloride 0.2gm U.S.P.; potassium chloride 0.3gm U.S.P.; sodium chloride 6 gm U.S.P.; sodium lactate 3. 1gm U.S.P.; sterile water for injection
		54	ringer's lactate	infusion	
		55	water for injection	ampoule	5 ml and 10 ml
P	Vitamins & Minerals Micronutrients	56	ascorbic acid	tablets	50mg, 100mg, 500 mg
		57	calcium lactate	tablets	500mg, 1gm
		58	ferrous salt (fumarate)	tablets	equivalent to 60 mg iron
		59	folic acid	syrup	equivalent to 25 mg/ml iron
	Nutritional supplement for use during pregnancy	60	ferrous salt + folic acid	tablets	0.5mg, 1mg and 5mg tablet, equivalent to 60 mg iron + 400 mcg folic acid
		61	multiple micronutrients	sachet	UNICEF approved
		62	retinol (vitamin A)	tablets/capsule	50,000 IU; 100,000 IU; 200,000 IU (as palmitate)
	for acute diarrhea	63	zinc sulphate	dispersible tablets	20 mg

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		64	B complex (B1, B6 and B12)	tablets	DRAP approved
		65	multivitamins	tablets	DRAP approved
Q	Dermatologicals	66	benzyl benzoate	lotion	25%
		67	calamine	lotion	
		68	hydrocortisone	cream	1%
		69	polymyxin B (sulphate)+ bacitracin zinc	ointment	10000IU/g + 5000IU/g
		70	silver sulphadiazine	cream	1%
R	Oxytocic Medicines	71	ergometrine ((hydrogen maleate)	injection	200 mcg in 1ml
		72	misoprostol	tablets	200 mcg
		73	oxytocin	injection	10 iu in 1-ml
S	Contraceptives	74	condoms		
		75	ethynodiol diacetate + norethisterone	CO pills	35mcg + 1mg
		76	levonorgestrel	PO pills	30 mcg
		77	copper T / multiload	IUCD	
		78	DMPA (medroxyprogesterone acetate)	injection	150 mg /1ml
		79	norethisterone enanthate	injection	200 mg/ml in 1ml
T	Vaccines & Seras	80	BCG vaccine		
		81	hepatitis B vaccine		
		82	measles vaccine		
		83	polio vaccine (OPV trivalent)/ IPV	oral/ injection	WHO approved / as per national EPI program
		84	pentavalent vaccine		
		85	pneumococcal vaccine		
		86	tetanus toxoid		
		87	anti-rabies vaccine (PVRV)	single dose vial	>2.5 IU
		88	anti-snake venom serum		
U	Antiseptics/ Disinfectants	89	povidone-iodine	solution	10 %w/v
	Only chlorine based compound in stable dry granular form		halogenated sodium phosphate	powder	100gms
		91	chlorhexidine + cetrimide	solution	1.5%w/v + 15%w/v

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
	Antiseptics for cord care	92	chlorhexidine digluconate (7.1%) for cord care	gel	equivalent to 4 % chlorhexidine
V	Disposable Supplies	93	syringe (auto disable) (DRAP approved)	sterile packs	1cc and 5cc
		94	I.V sets	sterile packs	DRAP approved
		95	I.V cannula (DRAP approved)	sterile packs	18g, 20g, 22g, 24g
		96	adhesive tape (hypoallergenic)	roll	1 and 2 inch
		97	surgical gauze		32 pix, 40 m
		98	cotton bandage	roll	6.5cm x 2m
		99	absorbent cotton wool	pack	500gm
		100	examination gloves	pairs	box of 100 (small, medium and large size) [1:2:1]
		101	sterile surgical gloves	pairs	6½, 7, 7½
		102	silk sutures	sterile packs	1/0, 2/0, 3/0
		103	face masks disposable		
		104	airways	all sizes	
		105	resuscitator bag with mask		
		106	blood lancets	sterile packs	
		107	slides		
					<ul style="list-style-type: none"> ■ 1 bath soap, 50 gram wrapped ■ 1 apron ■ 2 paper towel ■ 2 pairs of latex examination gloves (m) ■ 1 plastic under sheet (about one square meter) ■ 1 under pads 60cmx90cm ■ 2 alcohol pads
		108	clean delivery kits	sterile packs	<ul style="list-style-type: none"> ■ 2 packs of sponges (4 sponge) ■ 1 sterile bulb sucker ■ 2 sterile umbilical cord clamp ■ 1 sterile surgical blade ■ 2 cotton thread (cord ties) ■ 1 maternity pad ■ 1 white poly bag for disposal

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
					<ul style="list-style-type: none">■ I unbleached dignity drape■ I instruction sheet

EMERGENCY TRAY FOR BHU

Sr#	Name of Item	Strength	Quantity
1	injection tranexamic acid	250mg/5ml	10
2	injection atropine	1mg/1ml	10
3	injection adrenaline	0.1mg/ml	10
4	injection diazepam	5mg/ml	10
5	injection diclofenac sodium	25mg/ml	10
6	injection pheniramine (maleate)	22.7mg/2ml	10
7	injection hydrocortisone sodium	100mg	1
8	injection lidocaine	2% w/v	5
9	water for injection	5ml	5
10	injection ringer lactate	1,000ml	10
11	injection normal saline	1,000ml	10
12	glyceryl trinitrate sublingual	500mcg	50
13	isosorbide dinitrate sublingual	5mg	10
14	lidocaine	gel	1
15	cotton roll BPC	500gms	1
16	compression bandage BPC		5
17	D/S	5 cc	30
18	IV set		20
19	IV cannula	18G, 20G, 22G, 24G	20 (1:2:2:1)
20	silk sutures sterile packs	0, 1/0, 2/0	10
21	ETT	(3mm, 3.5mm, 4mm, 7.5mm, 8mm)	10
22	Foley's catheter	All sizes (10 F to 28 F)	12
23	NG tube	(14–18 Fr; infant/child: 10–14 Fr)	10
24	injection 25% DW	25 ml ampoule	2

EML FOR RHCs

- ▣ Primarily indicates similar clinical performance within a pharmacological class.
- ★ Indicates that the medicine has an age or weight restriction.
- © Signifies a specific indication for restricting its use for children.

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
A Anesthetics Local	1	bupivacaine (hydrochloride)	vial	0.25%, 0.5%	
	2	ketamine (hydrochloride)	injection	50mg /ml in 10ml	
	3	lidocaine (hydrochloride) 	vial/ ampoule	5% (hydrochloride) in 2-ml ampoule to be mixed with 7.5% glucose solution.	
B Analgesics / NSAIDs	4	lignocaine + epinephrine (adrenaline)	topical forms	2%gel, 4%solution	
	5	lignocaine + epinephrine (adrenaline) acetyl/salicylic acid (dispersible/ soluble)	injection dental cartridge	2% + 1:200 000 2% + 1:30 000	
	6	mefenamic acid	tablets	300 mg	
	7	diclofenac (sodium)	tablets	250 mg	
	8	ibuprofen 	ampoule	50 mg 75 mg in 3ml	
	9		tablets	200mg, 400 mg	
	10		syrup	200 mg/5ml	
			tablets	500 mg	
			syrup	125 mg/5ml	
			suppository	100 mg	
C Antiallergics and Medicines used in Anaphylaxis	11	chlorpheniramine   (hydrogen maleate)	tablets	4 mg	
	12	dexamethasone (disodium phosphate)	syrup 	2 mg / 5ml	
	13	epinephrine (adrenaline)	injection	4 mg / ml	
	14	hydrocortisone (sodium succinate)	tablets	0.5 mg	
	15	loratadine	ampoule	0.1mg /ml	
	16	prednisolone 	injection	100mg, 250 mg	
			tablets	10 mg 1 mg/ml	
D Antidotes and Other Substances used in Poisonings	17	atropine (sulfate) 	ampoule	1 mg in 1ml	
	18	charcoal activated	powder		
	19	diazepam	injection	10 mg	
	20	naloxone (hydrochloride)	ampoule	400 mcg in 1ml	
E Anti-Epileptics	21	carbamazepine	tablets	200 mg	
	22	magnesium sulphate For eclampsia only	syrup	100mg / 5ml	
			injection	500mg/ml	

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		23	phenobarbital (sodium)	tablets	30 mg
		24	phenytoin (sodium)	injection	200 mg /2ml
		25	valproic acid (sodium valproate)	tablets	100 mg
F	Antihelminthic	26	albendazole	oral liquid	200 mg/5 ml (crushable) 100 mg
		27	mebendazole (chewable)	tablets	(enteric-coated) 200mg, 500 mg
		28	pyrantel (panoate)	tablets	200 mg
G	Anti-Fungal	29	clotrimazole	syrup	100 mg / 5ml
		30	nystatin	cream	500 mg (with caution only for adults)
				pessary	1% w/v
				tablets	100, 500 mg
				drops ©	500,000 IU/ml
				pessary	100,000 IU/ml
					100,000 IU
ANTI-INFECTIVES					
H	Antibiotics/ Antimicrobials	31	amoxicillin (trihydrate) (preferably dispersible tablets)	capsules / tablet	250mg, 500 mg
		32	ampicillin (as sodium salt)	syrup ©	125mg& 250mg /5ml
		33	azithromycin ☒	injection	250mg, 500 mg
		34	benzyl penicillin (potassium chloramphenicol)	injection ☒	500 mg and 1 g
	<i>Only for Epidemic Meningitis</i>	35	(palmitate) (sodium succinate)	capsules	250mg, 500 mg
				syrup	600 mg (= 1 million IU); 3 g (= 5 million IU) (sodium or potassium salt) in vial
	<i>Only listed for single-dose treatment of uncomplicated ano-genital</i>	36	ceftriaxone* (trihydrate)	injection	1 gm
				capsules	250 mg
					125 mg / 5ml
					400 mg

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
	gonorrhoea.	37	ciprofloxacin (hydrochloride)	tablets	250mg, 500 mg
		38	corrinoxazole + (sulfamethoxazole + trimethoprim)	tablets (syrup) (caps)	400mg+ 80 mg 200mg + 40mg/5 ml
		39	doxycycline (hydrate) +	caps	100 mg
		40	gentamicin (sulfate) (sulfate)	injection	40mg; 80 mg
			metronidazole (benzoate)	tablets	200mg; 400 mg
		41		syrup	200 mg / 5ml
				infusion	5mg/ml in 100ml
		42	nitrofurantoin	tablets	100 mg
		43	procaine benzyl penicillin	injection	1m IU, 3m IU
		44	phenoxyethyl penicillin (potassium)	tablets	250mg, 500 mg
		45	ribavirine	tablets	125 mg / 5ml
		46	isoniazid + rifampicin	tablets	200mg, 400 mg
	Anti-Tuberculosis Medicines As per TB Control Program guidelines	47	rifampicin + isoniazid + pyrazinamide + ethambutol	tablets	75mg+ 150mg; 150mg + 300mg
		48	ethambutol + isoniazid + rifampicin	tablets	150mg+75mg+ 400mg+275 mg
	Anti-Diabetics	49	glibendiamide	tablets	275mg + 75mg + 150 mg
		50	metformin (hydrochloride)	tablets	5 mg
		51	insulin regular	injection	100 IU / ml
		52	insulin compound	tablets	30%+ 70 % w/v
	Antimalarials For Vivax	53	chloroquine (phosphate or sulfate)	tablets	150 mg
		54	primaquine (diphosphate)	tablets	15 mg
	For Falciparum	55	sulfadoxine + pyrimethamine co-blister / combined therapy	tablets	500mg+ 25 mg
	<i>To be used in combination (co blister)</i>	56	artesunate plus sulfadoxine and pyrimethamine	tablets	co blister of (6+2) tablets, two large tablets, has sulfadoxine 500mg U.S.P. + pyrimethamine 25mg U.S.P. & 6 small tablets, each contains artesunate 50mg

Sr.#	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
					U.S.P.
		57	artesunate plus sulfadoxine and Pyrimethamine	tablets	co blister of (6+3) tablets. 3 large tablets each has sulfadoxine 500mg U.S.P.+ pyrimethamine 25mg U.S.P. 6 small tablets, each tablet contains artesunate 100mg U.S.P.
	Management of severe Malaria	58	artemether	ampoule	80 mg/ml in 1-ml
M	GIT Medicines	59	hyoscine (butylbromide)	injection tablets	20 mg/ml 10 mg
		60	metoclopramide ♦ (hydrochloride)	tablets syrup	10 mg 5 mg / 5ml
		61	omeprazole ☐	injection capsules	5mg/ ml 10mg, 20mg, 40mg
		62	ranitidine	tablet	150mg
		63	aluminium hydroxide + magnesium trisilicate	injection tablets	25 mg / ml in 2ml 250mg +500mg
	Recommended in combination with zinc sulphate 20 mg dispersible tablet in case of acute diarrhea	64	ORS (low osmolarity)	sachet	dry mixture (low osmolarity formula) in sachet for 1 liter of solution; each sachet contains glucose anhydrous 13.5gm B.P., trisodium citrate dihydrate 2.9 gm B.P., potassium chloride 1.5gm B.P., sodium chloride 2.6gm B.P.
N	Cardiovascular Medicines	65	bisacodyl	tablets	5 mg
		66	glycerin	suppository	
		67	glyceryl trinitrate	sublingual	500 mcg
		68	atenolol	tablet	50mg
		69	isosorbide dinitrate ☐	sublingual	5 mg

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
	For severe PIH only	70	nifedipine	tablets	20 mg 250mg, 500 mg
		71	methyldopa	tablets	250 mg
		72	hydrochlorothiazide 	injection	20 mg 25mg, 50 mg
		73	enalapril (maleate)	tablets	5mg, 10 mg
		74	propanolol	tablets	10mg, 40mg, 80mg
		75	furosemide 	tablets	20mg, 40 mg 10 mg
O	Oxytocic Medicines	76	ergometrine (hydrogen maleate) 	injection	200 mcg in 1ml
		77	misoprostol	tablets	200 mcg
		78	oxytocin	injection	10 IU in 1-ml
P	Respiratory Medicines	79	salbutamol (sulfate) 	tablets	2mg and 4mg
				syrup	2mg/5ml
				inhaler	100 micrograms
		80	aminophylline	injection	25 mg/ml
Q	Ophthalmic / ENT	81	boric acid	ear drops (only for wax removing)	40 %
		82	chloramphenicol	eye drops	0.50%
		83	polymyxin B sulphate+lidocaine	ear drops	each ml is containing polymyxin B (sulphate): 10000 IU +propylene glycol: 0.92ml +lidocaine: 50mg, 5ml plastic bottle.
		84	gentamicin (sulfate) 	eye drops	0.30%
		85	tetracycline (hydrochloride) 	eye ointment	1%
		86	polymyxin B (sulphate)+ bacitracin zinc	eye ointment	10000IU/g + 500IU/g
R	I/V Infusions Plasma Substitutes	87	plasma expander	infusion	dextran 6 %w/v, glucose 5 %w/v
		88	dextrose	infusion	5%, 10 % (1000ml)
				ampoule	25% (20ml/25ml)

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		89	normal saline	infusion	0.9% (1000ml)
		90	dextrose + saline	infusion	5 % + 0.9% w/v (1000ml)
		91	ringer's lactate 	infusion	infusion, 1000ml contains calcium chloride 0.2gm U.S.P.; potassium chloride 0.3gm U.S.P.; sodium chloride 6 gm U.S.P; sodium lactate 3.1 gm U.S.P.; sterile water for injection
		92	potassium chloride	solution	11.2% in 20ml/25ml ampoule
		93	sodium bicarbonate	injection	1.4% isotonic (50ml)
		94	water for injection	ampoule	5 ml, 10 ml
S	Vitamins & Minerals	95	ascorbic acid	tablets	50mg, 100mg, 500 mg
		96	calcium gluconate	injection	100 mg/ml in 10-ml
		97	calcium lactate	tablets	500mg, 1 gm
		98	calcium chloride	injection	200 mg/ml
		99	ergocaliferol (vitamin D) 	tablets	1.25 mg (50 000 IU)
		100	ferrous salt (fumarate)	tablets	equivalent to 60 mg iron
		101	folic acid	syrup	equivalent to 25 mg/ml iron
		102	ferrous salt + folic acid	tablets	0.5mg, 1mg & 5mg
		103	multiple micronutrients	sachet	tablet, equivalent to 60 mg iron + 400 mcg folic acid
		104	retinol (vitamin A)	tablets/ capsules	UNICEF approved
<i>Nutritional supplement for use during pregnancy</i>		105	potassium chloride	tablets	50000 IU; 100 000 IU; 200 000 IU (as palmitate)
		106	zinc sulphate	dispersible tablets	500mg
		107	vitamin K	injection	20 mg
		108	B complex (B1, B6 and B12)	tablets	DRAp approved
		109	multivitamins	tablets	250mg, 500mg /5ml
		110	tranexamic acid	caps	250mg, 500mg
		111	oxygen (medicinal gas) cylinder	inhalation	
T	Miscellaneous	112	benzyl benzoate  	lotion	5% & 25%
U	Dermatologicals				

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		113	permethrin	cream, lotion	5%w/v
		114	calamine 	lotion	15%
		115	hydrocortisone 	cream	1%
		116	polymyxin b (sulphate)+ bacitracin zinc	ointment	1000IU/g + 500IU/g
		117	silver sulphadiazine 	cream	1%
V	Contraceptives	118	condoms		
		119	ethynodiol diacetate + norethisterone 	CO pills	35mcg + 1mg
		120	levonorgestrel	PO pills	30 mcg
		121	levonorgestrel	EC pills	750 mcg (pack of 2)
		122	copper T / multiload	IUCD	
		123	DMPA (medroxyprogesterone acetate)	injection	150 mg /ml
		124	norethisterone enanthate	injection	200 mg/ml in 1ml
		125	estradiol cypionate + medroxyprogesterone acetate	injection	5 mg + 25 mg
W	Vaccines & Sera	126	BCG vaccine	oral/ injection	
		127	polio vaccine (OPV trivalent)/IPV	oral/ injection	WHO approved/ as per national EPI program
		128	hepatitis B vaccine		
		129	measles vaccine		
		130	tetanus toxoid		
		131	pentavalent vaccine		
		132	pneumococcal vaccine		
		133	anti-rabies vaccine (PVRV)	single dose vial	>2.5 IU
		134	anti-snake venom serum		
X	Anxiolytics	135	alprazolam	tablets	0.5 mg
		136	diazepam	tablets	2 mg
	Antiseptics/ Disinfectants	137	povidone-iodine	solution	10 %w/v
Y	Only chlorine based compound in stable dry granular form	138	halogenated sodium phosphate	powder	100gms
		139	chlorine base compound	powder	(0.1 % available chlorine)

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
Z	Disposable Supplies	140	chlorhexidine + ceterimide	solution	for solution 1.5%w/v + 15%w/v
		141	chlorhexidine digluconate (7.1%) for cord care	gel	equivalent to 4 % chlorhexidine
		142	syringe (auto disable)	sterile packs	1cc and 5cc
		143	I.V sets	sterile packs	DRAP approved
		144	scalp vein set	sterile packs	DRAP approved
		145	volumetric chamber (I.V. burette)	sterile packs	100 ml size
		146	I.V cannula (DRAP approved)	sterile packs	16g, 20g, 24g
		147	adhesive tape (hypoallergenic)	roll	1, 2, inch
		148	sterile gauze dressing		7.5 x 7.5 cm (10 ply)
		149	cotton bandage BPC	roll	6.5cm x 2m
		150	absorbent cotton wool BPC	pack	500gm
		151	crepe bandage BPC		7.5, 10 cm x 2.7m
		152	examination gloves	pairs	box of 100 (small, medium and large size) [1:2:1]
		153	sterile surgical gloves	pairs	6½, 7, 7½
		154	silk sutures sterile	12 / pack	0, 1/0, 2/0, 3/0, 4/0
		155	chromic catgut sterile	sterile packs	0, 1/0, 2/0, 3/0, 4/0
		156	face masks disposable		
		157	blood lancets	sterile packs	
		158	glass slides		
		159	endotracheal tube (ETT)	sterile packs	set of 12 (all sizes)
		160	resuscitator bag with mask		
		161	nasogastric (NG) tube	all sizes	adult / paeds
					<ul style="list-style-type: none"> ■ 1 bath soap, 50 gram wrapped ■ 1 apron ■ 2 paper towel ■ 2 pairs of latex examination gloves (m) ■ 1 plastic under sheet (about one square meter) ■ 1 under pads 60cmx90cm ■ 2 alcohol pads
		162	clean delivery kits	sterile packs	

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
					<ul style="list-style-type: none"> ■ 2 packs of sponges (4 sponge) ■ 1 sterile bulb sucker ■ 2 sterile umbilical cord clamp ■ 1 sterile surgical blade ■ 2 cotton thread (cord ties) ■ 1 maternity pad ■ 1 white poly bag for disposal ■ 1 unbleached dignity drape ■ 1 instruction sheet

RHCs

EMERGENCY TRAY FOR RHC

Sr#	Name of Item	Strength	Quantity
1	injection dobutamine	50mg/ml	5
2	injection tranexamic acid	250mg/5ml	10
3	injection furosemide	10mg/ml	10
4	injection calcium gluconate	100mg/ml in 10ml	10
5	injection dimenhydrinate	50mg/ml	10
6	injection sodium bicarbonate	8.4% w/v, 25ml	10
7	injection potassium chloride	11.2% in 20ml ampoule	5
8	injection atropine	1mg/1ml	10
9	injection adrenaline	0.1mg/ml	10
10	injection diazepam	5mg/ml	10
11	injection diclofenac sodium	25mg/ml	10
12	injection plasma expander	500ml	5
13	injection hydrocortisone sodium	100mg and 250mg	20 (1:1)
14	injection ranitidine	25mg/ml	10
15	injection aminophylline	25mg/ml	10
16	injection lidocaine	2% w/v, 10ml	10
17	water for injection	5ml	5
18	injection 25% DW	25ml ampoule	10
19	Ringer's lactate infusion	1000ml	10
20	dextrose infusion	10%, 500ml	10
21	normal saline infusion	1,000ml	10
22	normal saline with dextrose infusion	5%, 1,000ml	10
23	lidocaine	gel	5
24	cotton roll BPC	500gms	5
25	cotton bandage BPC	4 inch, 6 inch	24
26	D/S (AD)	5 cc	10
27	D/S	10cc	5
28	D/S	1cc	5
29	D/S	20cc	1

EMERGENCY TRAY FOR RHC

Sr#	Name of Item	Strength	Quantity
30	volumetric chamber (IV burette)		5
31	IV set		45
32	IV cannula	16G, 18G, 20G, 22G, 24G	25 (1:1:2:2:1)
33	ETT	(3mm, 3.5mm, 4mm, 7.5mm, 8mm)	10
34	Foley's catheter	all sizes (10 F to 28 F)	10
35	NG tube	(14–18 Fr; infant/child: 10–14 Fr)	12

EML FOR THQs

- ▣ Primarily indicates similar clinical performance within a pharmacological class.
- ★ Indicates that the medicine has an age or weight restriction.
- © Signifies a specific indication for restricting its use for children.

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
A	Anesthetics General	1	halothane	inhalation	
		2	isoflurane	inhalation	
		3	nitrous oxide	inhalation	
		4	oxygen (medicinal gas) cylinder	inhalation	
		5	ketamine (hydrochloride)	injection	50mg /ml in 10ml
		6	thiopental sodium	injection	10 mg/ml; 20 mg/ml
B	Muscle Relaxants	7	neostigmine (metilsulfate) (bromide)	injection tablets	2.5 mg in 1ml 15 mg
		8	suxamethonium (chloride)	ampoule	50 mg /ml in 2-ml
C	Anesthetics Local	9	bupivacaine (hydrochloride)	vial /ampoule	0.25%; 0.5%
			injection for spinal anaesthesia	ampoule	(5mg/ml) 0.5% in 4-ml
		10	lidocaine (hydrochloride)	vial/ ampoule	5% (hydrochloride) in 2-ml ampoule to be mixed with 7.5% glucose solution.
				topical forms	2%gel, 4%solution
		11	lignocaine + epinephrine (adrenaline)	injection	2% + 1:200 000
				dental cartridge	2% + 1:80 000
		12	ephedrine (hydrochloride)	ampoule	30 mg in 1-ml
D	Analgesics Opioid	13	morphine (sulphate or hydrochloride)	ampoule	10 mg 1-ml
		14	tramadol HCL	injection	100mg/2ml
		15	ketorolac trometamol	injection	30mg/ml
		16	nalbuphine HCL	injection	20mg/ml
		17	perthidine (hydrochloride)	ampoule	50 mg/ml in 2ml
		18	midazolam	oral liquid	1 mg/ml 2 mg/ml
				tablets	7.5 mg and 15mg
E	Analgesics / NSAIDs	19	acetylsalicylic acid	dispersible/ soluble tablets	300 mg
		20	diclofenac (sodium)	tablets	50 mg
				ampoule	75 mg in 3ml

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		21	ibuprofen ♦	tablets syrup	200mg, 400 mg 200 mg/5ml
		22	piroxicam	injection	20mg / ml
		23	naproxen	tablets	250, 500 mg
		24	paracetamol	tablets syrup suppository	500 mg 125 mg / 5ml 100 mg
F	Medicines to treat gout	25	allopurinol	tablets	100 mg and 300mg
G	Antiallergics and Medicines used in Anaphylaxis	26	chlorpheniramine (maleate) ☒ ♦	tablets syrup ☐	4 mg 2 mg / 5ml
		27	loratadine	tablets	10 mg
		28	promethazine (HCl)	syrup tablets syrup injection	1 mg/ml 25 mg 25 mg/5ml 25 mg/ml in 2ml
		29	dexamethasone (disodium phosphate)	injection tablets	4 mg / ml 0.5 mg
		30	epinephrine (adrenaline)	ampoule	0.1mg / ml
		31	hydrocortisone (sodium succinate)	injection	100mg, 250 mg
		32	prednisolone ☒	tablets	5 mg
		33	pheniramine (maleate)	injection	22.7mg/2ml
H	Antidotes and Other Substances used in Poisonings	34	atropine (sulfate) ♦	ampoule	1 mg in 1ml
		35	charcoal activated	powder	
		36	methylthioninium chloride (methylene blue)	ampoule	10mg/ml -in 10ml
		37	naloxone (hydrochloride)	ampoule	400 mcg in 1ml
I	Antiepileptics Anticonvulsants <i>For Eclampsia only</i>	38	carbamazepine	tablets syrup	200 mg 100mg / 5ml
		39	magnesium sulphate	injection	500mg/ml
		40	phenobarbital (sodium)	tablets	30 mg
		41	phenytoin (sodium)	injection tablets	200 mg /2ml 100 mg

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		42	divalproex sodium (semi sodium valproate)	syrup tablet	30 mg/5 ml 250mg
J	ANTI-INFECTIVES Antibiotics/ Antimicrobials	43	amoxicillin (trihydrate) (preferably dispersible tablets)	capsules / tablet powder for suspension © injection	250mg, 500 mg 125mg & 250mg /5ml
		44	ampicillin (sodium)	capsules powder for suspension © injection	250mg, 500 mg 125mg & 250 /5ml
		45	amoxicillin + clavulanic acid	tablets syrup	500 mg and 1 g 125 mg amoxicillin + 31.25 mg clavulanic acid/5 ml and 250 mg amoxicillin + 62.5 mg clavulanic acid/5 ml
		46	benzyl penicillin (potassium)	injection	1 gm 600 mg (= 1 million IU); 3 g (= 5 million IU) (sodium or potassium salt) in vial
		47	cloxacillin	capsules powder for suspension ©	250, 500 mg 125mg & 250mg /5ml
	<i>Only listed for single-dose treatment of uncomplicated ano-genital gonorrhoea.</i>		48	cefixime* (trihydrate)	capsules 400 mg
	<i>Only for Epidemic Meningitis</i>		49	ceftriaxone (sodium) ♦	powder for injection 250mg, 500mg, 1gm
			50	chloramphenicol (palmitate) (sodium succinate)	250 mg 125 mg / 5ml 1 gm

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		51	ciprofloxacin (hydrochloride)	tablets	250mg, 500 mg
		52	azithromycin	capsules	250mg, 500 mg
	Recommended for use in combination regimens for eradication of <i>H. Pylori</i> in adults.	53	clarithromycin	suspension	125mg / 5ml in 22.5ml
				tablets	500 mg
				suspension	125 mg / 5ml
				capsules	150mg, 300mg
		54	clindamycin (hydrochloride) (phosphate)	injection	150mg / ml
			cotrimoxazole	tablets	400 + 80 mg
		55	(sulfamethoxazole + trimethoprim)	syrup	200mg + 40mg/5 ml
		56	doxycycline (hyccate)	capsules	100 mg
		57	gentamicin (sulfate)	injection	40mg, 80 mg
		58	levofloxacin	tablets	250mg, 500 mg
	K Antihelminthic	59	metronidazole (benzoate)	tablets	200mg, 400 mg
		60	nitrofurantoin	syrup	500 mg in 100-ml
		61	moxifloxacin	tablets	200 mg / 5ml
				tablets/capsule	100 mg
				injection	400mg/250ml
		62	cephradine	capsule	500mg
				syrup	250mg/5ml
		63	procaine benzyl penicillin phenoxyethyl penicillin (potassium)	injection	500mg
		64		injection	1, 3 ml IU
		65	albendazole	tablets	250mg, 500 mg
		66	mebendazole (chewable)	syrup	125 mg / 5ml
		67	pyrantel (pamoate)	tablets	200 mg
					100 mg / 5ml
					500 mg (with caution only for adults)
					250 mg

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
L	Anti-Fungal	68	clotrimazole	syrup skin cream vaginal tablet capsules injection syrup tablets	250 mg / 5ml 1%w/v 100mg, 500 mg 50 mg 2 mg/ml 50 mg/5 ml 500,000 IU 100,000 IU/ml
M	Antiherpes Medicines	69	fluconazole 		
N	Antileishmaniasis Medicines	70	nystatin	drops  tablets	200 mg
O	Anti-Tuberculosis Medicines	71	acyclovir 	injection injection tablets	500mg 50 mg in vial 100 mg/ml in 30ml vial 400 mg
As per TB Control Program guidelines		72	amphotericin B	oral liquid 	25 mg/ml
		73	sodium stibogluconate	tablets	50mg, 100mg, 300 mg
		74	ethambutol	tablets	500 mg
		75	isoniazid	caps / syrup 	150mg,300mg,450mg,600 mg
		76	pyrazinamide	tablets	150mg,300mg,450mg,600 mg
		77	rifampicin	injection tablets	1 gm 400mg + 150 mg
		78	streptomycin	tablets	75mg + 150mg ; 150mg+300mg
		79	ethambutol + isoniazid	tablets	400mg + 150 mg
		80	isoniazid + rifampicin	tablets	75mg + 150mg ; 150mg+300mg
		81	isoniazid + pyrazinamide + rifampicin	tablets	75mg + 400mg + 150 mg;
P	Anti-Diabetics	82	rifampicin + isoniazid + pyrazinamide + ethambutol	tablets	150mg+75mg+ 400mg+275 mg
		83	ethambutol + isoniazid + rifampicin	tablets	275mg + 75mg + 150 mg
		84	glibenclamide	tablets	5 mg
		85	metformin (hydrochloride)	tablets	500 mg
		86	insulin NPH	injection	100 IU / ml
		87	insulin regular	injection	100 IU / ml

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		88	insulin comp	injection	30% w/v + 70 % w/v
		89	sitagliptin	tablet	50mg
		90	glidazide	tablet	80mg
		91	chloroquine (phosphate or sulfate)	tablets	150 mg
		92	primaquine (diphosphate)	tablets	15 mg
		93	sulfadoxine + pyrimethamine	tablets	500 mg + 25 mg
Q	Antimalarials			co blister of (6+2) tablets.	
	For Vivax			two large tablets, has sulfadoxine 500mg U.S.P.	
	For Falciparum			+ pyrimethamine 25mg U.S.P & 6 small tablets,	
				each contains artesunate 50mg U.S.P.	
				co blister of (6+3) tablets.	
				3 large tablets each has sulfadoxine 500mg U.S.P.+	
				pyrimethamine 25mg U.S.P.	
				6 small tablets, each tablet contains artesunate 100mg U.S.P.	
<i>Management of severe Malaria</i>					
R	GIT Medicines	96	artemether	ampoule	80 mg/ml in 1-ml
		97	artemether + lumefantrine	tablets ©	20 mg + 120 mg
				injection	20 mg/ml
		98	hyoscine (butylbromide)	tablets	10 mg
		99	phloroglucinol	tablets	phloroglucinol 80mg + trimethylphloroglucinol 80 mg
		100	domperidone	tablets	10mg
		101	metoclopramide (hydrochloride) +	tablets	10 mg
		102	omeprazole ☐	syrup	5 mg / 5ml
				injection	20 mg/ml
				injection	40 mg

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
Recommended in combination with Zinc Sulphate 20 mg dispersible tablet in case of acute diarrhea		103	ranitidine	capsules tablet injection	10mg, 20mg, 40mg 150mg 25 mg / ml in 2ml
		104	aluminium hydroxide + magnesium trisilicate	tablets	250mg +500mg
		105	ORS (low osmolarity)	sachet	dry mixture (low osmolarity formula) in sachet for 1 liter of solution: each sachet contains glucose anhydrous 13.5gm B.P., trisodium citrate dihydrate 2.9 gm B.P., potassium chloride 1.5gm B.P., sodium chloride 2.6gm B.P.
		106	sodium phosphate	enema	7.2g /120ml
		107	bisacodyl	tablets	5 mg
		108	glycerin	suppository	
		109	magnesium oxides and hydroxides	suspension	7.9 %w/v
		110	acetylsalicylic acid	tablets	100 mg
		111	bisoprolol	tablets	1.25 mg, 5 mg
		112	digoxin	tablets injection	62.5, 250mcg 250mcg /ml in 2ml
S Cardiovascular Medicines		113	dopamine (hydrochloride)	injection	40 mg/ml in 5ml vial
		114	amlodipine	tablet	5mg, 10mg
		115	losartan potassium	tablet	50mg
		116	atenolol	tablet	50mg
		117	enalapril (maleate)	tablets	2.5mg, 5 mg
		118	glyceryl trinitrate	sublingual	500 mcg
		119	hydralazine (hydrochloride)	injection tablets	20 mg 25mg, 50 mg
		120	isosorbide dinitrate	sublingual	5 mg

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
				tablets	5mg, 10mg, 50 mg
				infusion	10 mg/l/10ml
				tablets	250mg, 500 mg
				injection	250 mg
				powder for injection	1.5 million IU
				tablet	10mg, 40mg, 80 mg
				tablet	5mg, 10mg, 20mg, 40 mg
				tablet	40 mg, 80 mg
				injection	150mg
				tablet	100mg
				tablets	20 mg, 40 mg
				injection	10 mg
				tablets	12.5mg, 25 mg
				tablet	50mg + 20mg
				tablets	25 mg, 100mg
				injection	3 MIL
				tablet	300mg
				tablet	0.5mg
				tablets	200mg, 400mg, 600 mg
				injection	1000, 5000, 20000 IU/ml
				injection	100 mg/ml in 10-ml
				capsules	250mg, 500mg
				tablets	75mg, 150mg, 300 mg
				tablets	1mg, 2mg, 5 mg
				injection	200 mcg in 1ml
				tablets	200 mcg
				injection	10 IU in 1-ml
				injection	25mg/ml in 10ml
				tablets	100 mg
				inhalear	50 mcg/actu
				tablets	2mg, 4 mg
T	Diuretics	127	furosemide		
		128	hydrochlorothiazide		
		129	spironolactone + furosemide		
		130	spironolactone		
U	Antivirals for Hepatitis	131	interferon alpha 2b		
		132	tenofovir (disoproxil fumarate)		
		133	entecavir		
		134	ribavirine		
V	Medicines Affecting Coagulation	135	heparin sodium		
		136	tranexamic acid		
		137	clopidogrel		
		138	warfarin (sodium)		
		139	ergometrine ((hydrogen maleate)		
W	Oxytocic Medicines	140	misoprostol		
		141	oxytocin		
X	Respiratory Medicines	142	aminophylline		
		143	beclomethasone (dipropionate)		
		144	salbutamol (sulfate)		

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
Y	Ophthalmics			syrup	2mg/5ml
				inhaler	100 micrograms
				injection	50 micrograms in 5ml
		145	montelukast	solution for nebulizer	5 mg /ml
		146	ammonium chloride + chloroform + menthol + diphenhydramine + sodium citrate	tablets	4mg, 5mg, 10 mg
		147	dextromethorphan + diphenhydramine	antitussive expectorant	131.5mg/5ml + 22mg/5ml + 1mg/5ml + 13.5mg/5ml + 55mg/5ml
		148	dexamethosone	antitussive syrup	12.5mg/5ml + 12.5mg/5ml
		149	gentamicin (sulfate)	eye drops	0.1 %w/v
		150	tropicamide	eye drops	0.30%
		151	chloramphenicol	eye drops	1 %w/v
		152	pilocarpine (hydrochloride or nitrate)	eye drops	0.50%
		153	tetracycline (hydrochloride)	eye ointment	2%; 4%
		154	sulphacetamide	eye drops	1 %
		155	miconazole (nitrate)	eye ointment	0.50%
		156	polymyxin B (sulphate)+bacitracin zinc	eye ointment	10000IU/g + 500IU/g
		157	tetracaine (hydrochloride)	drops	0.50%
		158	timolol (hydrogen maleate)	eye drops	0.25%; 0.5%
		159	boroglycerine	ear drops (only for wax removing)	40%
		160	ciprofloxacin	ear drops	0.30%
		161	polymyxin B sulphate+lignocaine	ear drops	each ml is containing polymyxin B (sulphate);10000IU+propylene glycol;0.92ml+lignocaine:5
Z	ENT				

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
AA IV Infusions Plasma Substitutes		162	ephedrine	nasal drops	0mg:5ml plastic bottle.
		163	lidocaine	topical solution	0.5%
		164	saline nasal drops	nasal drops	4%
		165	xylometazoline 	nasal spray	0.9% 0.05%
		166	plasma expander	infusion	dextrose 6 %w/v, glucose 5 %w/v
		167	dextrose	infusion ampoule	5, 10, % (1000ml) 25% (20ml/25ml)
		168	normal saline	infusion	0.9% (1000ml)
		169	dextrose + saline	infusion	5 % + 0.9% w/v (1000ml)
		170	ringers lactate 	solution	infusion, 1000ml contains calcium chloride 0.2gm U.S.P.; potassium chloride 0.3gm U.S.P.; sodium chloride 6 gm U.S.P.; sodium lactate 3.1gm U.S.P.; sterile water for injection
		171	potassium chloride	injection	1.4% isotonic (50ml)
AB Dermatologicals		172	mannitol	infusion	10% and 20 %w/v (500ml)
		173	water for injection	ampoule	5 ml, 10 ml
		174	benzyl benzoate 	lotion	5% & 25%
		175	beramethasone 	cream / ointment	0.1%
		176	calamine 	lotion	15%
		177	coal tar	lotion	5%
		178	hydrocortisone 	cream	1%
		179	permethrin	cream / lotion	5 % / 1 %
		180	salicylic acid	solution	5%
		181	micronazole (nitrate)	cream / ointment	2%
		182	polymyxin B (sulphate)+ bacitracin zinc	ointment	10000IU/g + 500IU/g
		183	silver sulphadiazine 	cream	1%

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
AC	Vitamins & Minerals	184	sodium thiosulphate	solution	15%
		185	ascorbic acid	tablets	50mg, 100mg, 500 mg
		186	calcium gluconate	injection	100 mg/ml in 10-ml
		187	calcium lactate	tablets	500mg, 1gm
		188	ergocaliferol (vitamin D)	tablets	1.25 mg (50 000 IU)
		189	ferrous salt (fumarate)	tablets	equivalent to 60 mg iron
				syrup	equivalent to 25 mg/ml iron
		190	folic acid	tablets	0.5mg, 1mg & 5mg
		191	ferrous salt + folic acid	tablets	equivalent to 60 mg iron + 400 mcg folic acid
		192	vitamin K	injection	10 mg
		193	hydroxocobalamin	ampoule	1 mg in 1ml
		194	multiple micronutrients	sachet	UNICEF approved
		195	potassium chloride	tablets	500mg
		196	retinol (vitamin A)	tablets/ capsules	50 000 IU; 100 000 IU;
		197	zinc sulphate	dispersible tablets	200 000 IU (as palmitate)
		198	B complex (B1, B6 And B12)	tablets	20 mg
		199	multivitamins	tablets	DRAP approved
AD	Contraceptives	200	condoms		DRAP approved
		201	ethynodiol + norethisterone	CO pills	35mcg + 1mg
		202	levonorgestrel	PO pills	30 mcg
		203	levonorgestrel	EC pills	750 mcg (pack of 2)
		204	copper T / multiload	IUCD	
		205	DMPA (medroxyprogesterone acetate)	injection	150 mg/ 1ml
		206	norethisterone enanthate	injection	200 mg/ml in 1ml
		207	estradiol cypionate + medroxyprogesterone acetate	injection	5 mg + 25 mg
		208	levonorgestrel-releasing implant	sub dermal implant	2 rod 75mg each (Use life: 5 years)

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
AE	Vaccines & Sera	209	etonogestrel- releasing implant	sub dermal implant	1 rod 68mg each (Use life: 3 years)
		210	BCG vaccine	oral/ injection	
		211	polio vaccine (OPV trivalent)/IPV		
		212	hepatitis B vaccine		
		213	measles vaccine		
		214	tetanus toxoid		WHO approved/as per national EPI program
		215	pentavalent vaccine		
		216	pneumococcal vaccine		
		217	meningococcal vaccine		
		218	anti-rabies vaccine (PvRV)	single dose vial	>2.5 IU
AF	Medicines for Mental & Behavioral Disorders	219	anti-snake venom serum		
		220	anti D immunoglobulin (human)	single dose vial	250 micrograms
		221	diphtheria antitoxin	vial	10 000 IU; 20 000 IU
		222	tetanus immunoglobulin (human)	injection	500 IU in vial
		223	rabies immunoglobulin (human)	vial	150 IU/ml
		224	chlorpromazine (hydrochloride)	injection	25mg in 2ml
		225	haloperidol	tablets	100 mg
		226	alprazolam	injection	5mg/ml
		227	diazepam	tablets	5mg
				tablets	0.5 mg
AG	Antiparkinsonism			tablets	2, 5mg
		228	biperiden	injection	10mg
		229	levodopa + carbidopa	tablets	5 mg (lactate) in 1-ml
		230	procyclidine (HCL)	tablets	2 mg (hydrochloride)
AH	Antiseptics/ Disinfectants	231	ortho-phenylaldehyde	tablets	100mg + 10 mg:250mg + 25 mg
		232	povidone-iodine	tablets	5mg
		233	halogenated sodium phosphate	solution	0.55%
AH	Only chlorine based compound in stable dry granular form				10 %w/v
					100gms

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		234	chlorine based compound	powder	(0.1 % available chlorine) for solution
		235	chlorhexidine + cetyltrimide	solution	1.5%w/v + 15%w/v
		236	acriflavine	cream	0.1 %w/w
		237	tincture benzoin compound	solution	7.5 %w/v
		238	chlorhexidine digluconate (7.1%) for cord care	gel	equivalent to 4 % chlorhexidine
A1	Disposable Supplies	239	syringe (auto disable) (DRAP approved)	sterile Packs	1cc, 5cc
		240	disposable syringe (DRAP approved)	sterile Packs	50 cc
		241	I.V sets	sterile Packs	DRAP approved
		242	scalp vein set	sterile Packs	DRAP approved
		243	volumetric chamber (I.V. burette)	sterile Packs	100 ml size
		244	I.V cannula (DRAP approved)	sterile Packs	16G, 20G, 22G, 24G
		245	adhesive tape (hypallergenic)	roll	1, 2 inch
		246	sterile gauze dressing BPC	roll	7.5 x 7.5 cm (10 ply)
		247	cotton bandage BPC	roll	6.5cm x 2m
		248	absorbent cotton wool BPC	pack	500gm
		249	crepe bandage BPC	roll	7.5, 10 cm x 2.7m
		250	examination gloves	pairs	box of 100 (small, medium and large size) [1:2:1]
		251	sterile surgical gloves	pairs	6½, 7, 7½, 8
		252	silk sutures sterile	12 / pack	0, 1/0, 2/0, 3/0, 4/0
		253	chromic catgut sterile	sterile Packs	0, 1/0, 2/0, 3/0, 4/0
		254	silk sutures sterile	12 / pack	8/0, 10/0
		255	prolene / vicryl sterile sutures	sterile Packs	0, 1/0, 2/0, 3/0, 4/0
		256	plaster of paris bandage BPC	roll	10cm, 20cm x 6m
		257	face masks disposable		
		258	blood lancets	sterile Packs	
		259	glass slides	sterile Packs	
		260	endotracheal tube (all sizes)	sterile Packs	Adult / Paeds
		261	nasogastric tube (all sizes)	sterile Packs	Adult / Paeds

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		262	Foley's catheter (all sizes)	sterile packs	All Sizes
		263	urine bags	sterile packs	Adult / Paeds
		264	blood transfusion set	sterile packs	
		265	blood bags	sterile packs	Single
		266	disposable airways	sterile packs	All Sizes
		267	suction catheter	sterile packs	
		268	sterilized cord clamps	sterile packs	
		269	spinal needle	sterile packs	
		270	surgical blades	sterile packs	
				<ul style="list-style-type: none"> ▪ 1 bath soap, 50 gram wrapped ▪ 1 apron ▪ 2 paper towel ▪ 2 pairs of latex examination gloves (m) ▪ 1 plastic under sheet (about one square meter) ▪ 1 under pads 60cmx90cm ▪ 2 alcohol pads ▪ 2 packs of sponges (4 sponge) ▪ 1 sterile bulb sucker ▪ 2 sterile umbilical cord clamp ▪ 1 sterile surgical blade ▪ 2 cotton thread (cord ties) ▪ 1 maternity pad ▪ 1 white poly bag for disposal ▪ 1 unbleached dignity drape 	
271	clean delivery kits			sterile packs	

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
AJ	Radio contrast Media	272	amidotrizoate	injection	140 to 420 mg iodine /ml in 20 ml
		273	barium sulfate	aqueous suspension	
		274	iohexol	injection	140 mg to 350 mg iodine/ml in 5-ml; 10-ml; 20-ml ampoules.
AK	Dental Materials	275			

THQs

EML FOR DHQs

- ▣ Primarily indicates similar clinical performance within a pharmacological class.
- ★ Indicates that the medicine has an age or weight restriction.
- © Signifies a specific indication for restricting its use for children.

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
A	Anesthetics General	1	halothane / isoflurane	inhalation	
		2	nitrous oxide	inhalation	
		3	oxygen (medicinal gas) cylinder	inhalation	
		4	ketamine (hydrochloride)	injection	50mg /ml in 10ml
		5	thiopental (sodium)	injection	10 mg/ml; 20 mg/ml
B	Muscle Relaxants	6	atracurium (besylate)	injection	10 mg/ml
		7	neostigmine (metilsulfate) (bromide)	injection tablets	2.5 mg in 1ml 15 mg
		8	suxamethonium (chloride)	ampoule	50 mg /ml in 2-ml
C	Anesthetics Local	9	bupivacaine (hydrochloride) injection for spinal anaesthesia	vial ampoule	0.25%; 0.5% (5mg/ml) 0.5% in 4-ml
		10	lidocaine (hydrochloride)	vial/ ampoule	5% (hydrochloride) in 2-ml ampoule to be mixed with 7.5% glucose solution.
				topical forms	2%Gel, 4%Solution
		11	lignocaine + epinephrine (adrenaline)	injection	2% + 1:200 000
		12	lignocaine + epinephrine (adrenaline)	dental cartridge	2% + 1:80 000
	<i>Complementary List</i>		13	epinephrine (hydrochloride)	ampoule
			14	morphine (sulphate or hydrochloride)	ampoule
			15	pehdidine (hydrochloride)	ampoule
D	Analgesics Opioid				50 mg/ml in 2ml
	Preoperative Medication	16	midazolam	injection tablets	1 mg/ml 7.5 mg
		17	tramadol HCL	injection	100mg/2ml
		18	ketorolac trometamol	injection	30mg/ml
		19	nalbuphine HCL	injection	20mg/ml
E	Analgesics / NSAIDs	20	acetylsalicylic acid	dispersible/ soluble tablets	300 mg

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		21	diclofenac (sodium)	suppository tablets	50 mg to 150 mg 50 mg
		22	piroxicam	ampoule injection	75 mg in 3ml 20mg / ml
		23	naproxen	tablets	250mg, 500 mg
		24	meloxicam	tablets	7.5mg, 15 mg
		25	ibuprofen	tablets syrup	200mg, 400 mg 200 mg/5ml
		26	paracetamol	tablets syrup	500 mg 125 mg / 5ml
				suppository	100 mg
				tablets	100 mg
F	Medicines to treat Gout	27	allopurinol	tablets	4 mg
G	Antiallergics and Medicines used in Anaphylaxis	28	chlorpheniramine (hydrogen maleate)	tablets syrup	2 mg / 5 ml
		29	loratadine	tablets syrup	10 mg 1 mg/ml
		30	promethazine (HCl)	tablets syrup	25 mg 25 mg/5ml
				injection	25 mg/ml in 2ml
		31	dexamethasone (disodium phosphate)	injection	4 mg / ml
		32	epinephrine (adrenaline)	tablets	0.5 mg
		33	hydrocortisone (sodium succinate)	ampoule	0.1mg / ml
		34	prednisolone	injection tablets	100mg, 250 mg 5 mg
		35	pheniramine (maleate)	injection	22.7mg/2ml
		36	atropine (sulfate)	ampoule	1 mg in 1ml
		37	charcoal activated powder		
			methylthioninium chloride (methylene blue)	ampoule	10mg/ml in 10ml
		38			
		39	naloxone (hydrochloride)	ampoule	400 mcg in 1ml
H	Antidotes and Other Substances used in Poisonings	40	carbamazepine	tablets syrup	200 mg 100mg / 5ml
I	Antiepileptics Anticonvulsants				

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		41	valproic (as sodium)	tablets	500mg
		42	magnesium sulphate	injection	500mg/ml
		43	phenobarbital (sodium)	tablets	30 mg
		44	phenytoin (sodium)	injection	200 mg /2ml
				tablets	100 mg
				syrup	30 mg/5 ml
				capsules / tablet	250mg, 500 mg
				powder for suspension ☺	125mg & 250mg /5ml
				injection	250 mg, 500 mg
				capsules	250mg, 500 mg
				powder for suspension ☺	125mg & 250mg /5ml
				injection	500 mg and 1 g
				capsule	500mg
				syrup	250mg/5ml
				injection	500mg
				injection	500mg, 1 gm
				capsules	250, 500 mg
				suspension	125mg / 5ml in 22.5ml
				tablets	375 mg
					125 mg amoxicillin +
					31.25 mg
					clavulanic acid/5 ml and
					250 mg amoxicillin +
					62.5 mg clavulanic acid/5 ml
				injection	1 Gm
					600 mg (= 1 million IU); 3
					g (= 5 million IU) (sodium
					or potassium salt) in vial
				capsules	250mg, 500 mg
ANTI-INFECTIVES					
J	Antibiotics/ Antimicrobial	45	amoxicillin (trihydrate) (preferably dispersible tablets)		
		46	ampicillin (sodium)		
		47	cephradine		
		48	amikacin (sulfate)		
		49	azithromycin ☺		
	<i>Reserved 2nd line</i>				
		50	amoxicillin + clavulanic acid	syrup	
		51	benzyl penicillin (potassium)	injection ☺	
		52	cloxacillin	capsules	

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
	Only listed for single-dose treatment of uncomplicated ano-genital gonorrhea.			powder for suspension ©	125 mg & 250 mg /5ml
53	cefixime (trihydrate)			capsules	400 mg
54	ceftiaxone (sodium) ♦ chloramphenicol (palmitate) (sodium succinate)		powder for injection	250mg, 500mg, 1gm	
55	ciprofloxacin (hydrochloride) □		capsules	250 mg	
56	ciprofloxacin (hydrochloride) □		syrup	125 mg / 5ml	
57	moxifloxacin		injection	1 gm	
			tablets	250mg, 500 mg	
			injection	400mg/250ml	
			tablets	500mg	
58	clarithromycin		tablets	500 mg	
59	clindamycin (hydrochloride) (phosphate)		suspension	125 mg / 5ml	
			capsules	150mg, 300mg	
			injection	150mg / ml	
60	cotrimoxazole ♦ (sulfamethoxazole + trimethoprim)		tablets ©	400mg+ 80 mg	
			syrup ©	200mg + 40mg/5 ml	
61	doxycycline (hydclate) ♦		capsules ©	100 mg	
			injection	250mg, 500 mg	
62	flucloxacillin [flloxacillin sodium]		capsules	250mg, 500 mg	
63	gentamicin (sulfate) □		injection	40mg, 80 mg	
64	kanamycin (sulfate)		injection	500mg, 1gm	
65	levofloxacin		tablets	250, 500 mg	
66	metronidazole □ (benzoate)		tablets	200, 400 mg	
			injection	500mg/100-ml	
			syrup	200 mg / 5ml	

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		67	nitrofurantoin	tablets	100 mg
		68	vancomycin (HCl)	injection	500 mg
		69	procaine benzyl penicillin	injection	1, 3 m IU
		70	phenoxyethyl penicillin (potassium)	tablets	250mg, 500 mg
K	Antihelminthic	71	albendazole	syrup	125 mg / 5ml tablets
		72	mebendazole (chewable)	tablets	200 mg / 5ml
		73	pyrantel (pamoate)	tablets	500 mg (with caution only for adults)
L	Anti-Fungal	74	clotrimazole	syrup	250 mg / 5ml
		75	fluconazole ☐	vaginal cream vaginal tablet capsules	1% w/v 100, 500 mg 50 mg
		76	nystatin	injection syrup tablets drops ☐	2 mg/ml 50 mg/5 ml 500,000 IU 100,000 IU/ml
M	Anti-Tuberculosis Medicines As per TB Control Program guidelines	77	ethambutol	tablets	400 mg
		78	isoniazid	Oral Liquid ☐	25 mg/ml
		79	pyrazinamide	tablets/syrup ☐	50mg, 100mg, 300 mg
		80	rifampicin	tablets	500 mg
		81	streptomycin	caps / syrup ☐	150mg, 300mg, 450mg, 600mg
		82	ethambutol + isoniazid	injection	1 gm
		83	isoniazid + rifampicin	tablets	400mg + 150 mg
		84	isoniazid + pyrazinamide +	tablets	75mg + 150mg + 300mg
					75mg + 400mg + 150

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
			rifampicin	mg.	
		85	rifampicin + isoniazid + pyrazinamide + ethambutol	tablets	150mg+75mg+400mg+275 mg
		86	ethambutol + isoniazid + rifampicin	tablets	275 + 75 + 150 mg
N	Antiherpes Medicines	87	acyclovir 	tablets	200 mg
O	Antileishmaniasis Medicines	88	amphotericin B	injection	500mg
P	Anti-Diabetics	89	sodium stibogluconate	injection	50 mg/ml in 30ml vial
		90	glibenclamide	tablets	100 mg/ml in 30ml vial
		91	sitagliptin	tablets	5 mg
		92	glipizide	tablets	50mg
		93	metformin (hydrochloride)	tablets	80mg
		94	insulin NPH	injection	500 mg
		95	insulin regular	injection	100 IU / ml
		96	insulin comp	injection	100 IU / ml
		97	chloroquine (phosphate or sulfate)	injection	30% w/v + 70 % w/v
Q	Antimalarials	98	primaquine (diphosphate)	tablets	150 mg
	For Vivax	99	sulfadoxine + pyrimethamine	tablets	15 mg
	For Falciparum				500 + 25 mg
	To be used in combination (co blister)	100	artesunate plus sulfadoxine and pyrimethamine	tablets	co blister of (6+2) tablets. two large tablets, has sulfadoxine 500mg U.S.P. + pyrimethamine 25mg U.S.P & 6 small tablets, each contains artesunate 50mg U.S.P.
		101	artesunate plus sulfadoxine and pyrimethamine	tablets	co blister of (6+3) tablets. 3 large tablets each has sulfadoxine 500mg U.S.P + pyrimethamine 25mg U.S.P. 6 small tablets, each tablet contains artesunate

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
	Management of severe malaria	102	artemether	ampoule	100mg U.S.P. 80 mg/ml in 1-ml
R	GI/T Medicines	103	artemether + lumefantrine	tablets ©	20 mg + 120 mg
		104	hyoscine (butylbromide)	injection tablets	20 mg/ml 10 mg
		105	phloroglucinol	tablets	phloroglucinol 80mg + trimethylphloroglucinol 80mg
		106	metoclopramide (hydrochloride) ♦	tablets syrup	10 mg 5 mg / 5ml
		107	omeprazole ☐	injection capsules	5mg/ml 40 mg 10mg, 20mg, 40mg
		108	domperidone	tablets	10mg 150mg
		109	ranitidine	tablet	25 mg / ml in 2ml
		110	aluminium hydroxide + magnesium trisilicate	tablets	250mg+500mg
		111	ORS (low osmolarity)	sachet	dry mixture (low osmolarity formula), in sachet for 1 liter of solution; each sachet contains glucose anhydrous 13.5gm B.P., trisodium citrate dihydrate 2.9 gm B.P., potassium chloride 1.5gm B.P., sodium chloride 2.6gm B.P.
	Recommended in combination with Zinc Sulphate 20 mg dispersible tablet in case of acute diarrhea	112	bisacodyl	tablets	5 mg
		113	glycerin	suppository	7.2g /120ml
		114	sodium phosphate	enema	

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
S	Antivirals for Hepatitis	115	magnesium oxides and hydroxides	suspension	7.9 %w/v
		116	interferon alpha 2b	injection	3 MIU
		117	tenofovir (disoproxil fumarate)	tablet	300mg
		118	entecavir	tablet	0.5mg
		119	ribavirine	tablets	200mg, 400mg, 600 mg
		120	lamivudine	tablets	150 mg
		121	acetylsalicylic acid	tablets (enteric coated)	75 mg
T	Cardiovascular Medicines	122	amiodarone HCl	tablets	200mg
		123	Bisoprolol 	tablets	1.25 mg; 5 mg
		124	digoxin	tablets	62.5, 250mcg
		125	dopamine (hydrochloride)	injection	250mcg /ml in 2ml
		126	dobutamine (hydrochloride)	injection	40 mg/ml in 5ml vial
		127	enalapril (maleate) 	tablets	50mg/ml in 5ml
		128	amlodipine	tablet	2.5mg; 5 mg
		129	losartan potassium	tablet	5mg, 10mg
		130	glyceryl trinitrate	sublingual	50mg
		131	hydralazine (hydrochloride)	injection	500 mcg
				tablets	20 mg
				sublingual	25mg; 50 mg
		132	isosorbide dinitrate 	tablets	5 mg
				infusion	5mg, 10mg, 50 mg
				tablets	10 mg/10ml
				injection	250mg, 500 mg
		133	methyl/dopa	tablet	250 mg
		134	atenolol	tablets	50 mg
		135	propanolol	tablets	10mg, 40mg, 80 mg
		136	streptokinase	powder for injection	1.5 million IU
		137	simvastatin 	tablets	5mg, 10mg, 20mg, 40 mg
		138	verapamil (hydrochloride)	tablets	40 mg; 80 mg
U	Diuretics	139	furosemide 	tablets	20mg, 40 mg

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		140	hydrochlorothiazide	injection tablets	10 mg 12.5mg, 25 mg
		141	furosemide + spironolactone	tablets	50mg/20mg
		142	spironolactone	tablets	25mg, 100mg
V	Medicines affecting coagulation	143	heparin (sodium)	injection	1000, 5000, 20000 IU/ml
		144	tranexamic acid	injection capsules	100 mg/ml in 10-ml 250mg, 500mg
		145	clopidogrel	tablets	75, 150, 300 mg
		146	warfarin (sodium)	tablets	Img, 2mg, 5 mg
W	Oxytoxic Medicines	147	ergometrine (hydrogen maleate) 	injection	200 mcg in 1ml
		148	misoprostol	tablets	200 mcg
		149	oxytocin	injection	10 IU in 1-ml
X	Respiratory Medicines	150	aminophylline	injection tablets	25mg/ml in 10ml 100 mg
		151	beclomethasone (dipropionate)	inhaler	50 mcg/actu
		152	salbutamol (sulfate)	tablets syrup inhaler	2mg, 4 mg 2mg/5ml 100 micrograms
		153	terbutaline	injection solution for nebulizer	50 micrograms/ ml 5 mg /ml
		154	ipratropium bromide	tablets	2.5mg
		155	beclomethasone (dipropionate)	injection solution	250mg/ml 800mcg/2ml
		156	montelukast	tablets	4mg, 5mg, 10 mg
		157	ammonium chloride + chloroform + menthol + diphenhydramine + sodium citrate	antitussive expectorant	131.5mg/5ml + 22mg/5ml + 1mg/5ml + 13.5mg/5ml + 55mg/5ml
		158	dextromethorphan + diphenhydramine	antitussive syrup	12.5mg/5ml + 12.5mg/5ml
Y	Ophthalmic	159	dexamethosone	eye drops	0.1 %w/v

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		160	gentamicin (sulfate)	eye drops	0.30%
		161	tropicamide	eye drops	1 %w/v
		162	pilocarpine (hydrochloride or nitrate)	eye drops	2%; 4%
		163	ciprofloxacin	eye drops	0.3 %w/v
		164	sulphacetamide	eye drops	10; 20 %w/v
		165	chloramphenicol	eye drops	0.50%
		166	miconazole (nitrate)	eye ointment	2%
		167	polymyxin B (sulphate)+bacitracin zinc	eye ointment	10000IU/g + 500IU/g
		168	tetracycline (hydrochloride)	eye ointment	1%
		169	tetracaine (hydrochloride)	eye drops	0.50%
		170	timolol (hydrogen maleate)	eye drops	0.25%; 0.5%
		171	borglycerine	ear drops (only for wax removing)	40%
		172	ciprofloxacin	ear drops	0.30%
		173	polymyxin B sulphate + lignocaine	ear drops	each ml is containing polymyxin B (sulphate):10000IU+propylene glycol:0.92ml+lignocaine:5.0mg;5ml plastic bottle.
		174	ephedrine	nasal drops	0.5%
		175	lignocaine	topical solution	4%
		176	saline nasal drops	nasal drops	0.9%
		177	xylometazoline	nasal spray	0.05%
		178	plasma expander	infusion	Dextran 6 %w/v, Glucose 5 %w/v,
		179	dextrose	infusion	5%; 10; % (1000ml)
	AA IV Infusions Plasma Substitutes	180	normal saline	ampoule	25% (20ml/25ml)
				infusion	0.9% (1000ml)

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		181	dextrose + saline (1000ml)	infusion	5 %w/v + 0.9% w/v
		182	ringer's lactate	infusion	infusion, 1000ml contains calcium chloride 0.2gm U.S.P.; potassium chloride 0.3gm U.S.P.; sodium chloride 6 gm U.S.P.; sodium lactate 3.1gm U.S.P.; sterile water for injection
		183	potassium chloride	solution	11.2% in 20ml ampoule
		184	sodium bicarbonate (50ml)	injection	1.4% isotonic
		185	mannitol (500ml)	infusion	20 %w/v
		186	water for injection	ampoule	5 ml, 10 ml
AB	Vitamins & Minerals	187	ascorbic acid	tablets	50mg, 100mg, 500 mg
		188	calcium gluconate	injection	100 mg/ml in 10-ml
		189	calcium lactate	tablets	500mg, 1gm
		190	ergocalciferol (vitamin D)	tablets	1.25 mg (50 000 IU)
		191	ferrous salt (fumarate)	syrup	equivalent to 60 mg iron
		192	folic acid	tablets	iron equivalent to 25 mg/ml
		193	ferrous salt + folic acid	tablets (DRAP approved)	0.5, 1mg & 5mg tablet, equivalent to 60 mg iron + 400 mcg folic acid
<i>Nutritional supplement for use during pregnancy</i>					
		194	potassium chloride	tablets	500mg
		195	vitamin K	injection	10 mg
		196	hydroxocobalamin	ampoule	1 mg in 1ml
		197	multiple micronutrients	sachet	UNICEF approved
		198	retinol (vitamin A)	tablets/ capsules	50 000 IU; 100 000 IU;
<i>for acute diarrhea</i>					
		199	zinc sulphate	dispersible tablets	200 000 IU (as palmitate)
		200	B complex (B1, B6 and B12)	tablets	DRAP approved
		201	multivitamins	tablets	DRAP approved

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
AC	Dermatologicals	202	benzyl benzoate	lotion	5% & 25%
		203	betamethasone	cream / ointment	0.1%
		204	calamine	lotion	15%
		205	coal tar	lotion	5%
		206	hydrocortisone	cream	1%
		207	permethrin	cream / lotion	5 % / 1 %
		208	salicylic acid	solution	5%
		209	selenium sulfide	detergent-based suspension	2%
		210	miconazole (nitrate)	cream / ointment	2%
		211	polymyxin B (sulphate) + Bacitracin zinc	ointment	10000IU/g + 500IU/g
AD	Medicines for Mental & Behavioral Disorders Tranquilizers	212	silver sulphadiazine	cream	1%
		213	sodium thiosulphate	solution	15%
		214	amitriptyline (hydrochloride)	tablets	25 mg
		215	carbamazepine	tablets	100 mg; 200 mg
		216	chlorpromazine (hydrochloride)	injection	25mg in 2ml
		217	clomipramine (hydrochloride)	tablets	100 mg
		218	olanzapine	tablets	10 mg; 25 mg
		219	fluoxetine (hydrochloride) ©	tablets	20 mg
		220	haloperidol	injection	5mg/ml
		221	fluphenazine (decanoate or enanthate)	tablets	5mg
AE	Contraceptives	222	diazepam	tablets	2.5mg
		223	procyclidine	injection	10mg
		224	escitalopram	tablets	5mg
		225	alprazolam	tablets	10mg
		226	condoms	tablets	0.5 mg
		227	ethynodiol diacetate + CO pills	CO pills	35mcg + 1mg

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		228	norethisterone	PO pills	30 mcg
		229	levonorgestrel	EC pills	750 mcg (pack of 2)
		230	copper T / multiload	IUCD	
		231	medroxyprogesterone acetate (DMPA)	injection	150 mg /1ml
		232	norethisterone enantate	injection	200 mg/ml in 1ml
		233	estradiol cypionate + medroxyprogesterone acetate	injection	5 mg + 25 mg
		234	levonorgestrel-releasing implant	sub dermal implant	2 rod 75mg each (use life: 5 years)
		235	etonogestrel- releasing implant	sub dermal implant	1 rod 68mg each (use life: 3 years)
AF Vaccines & Sera					
		236	BCG vaccine	oral/ injection	
		237	polio vaccine (OPV trivalent)/ IPV		
		238	hepatitis B vaccine		WHO approved/as per national EPI program
		239	measles vaccine		
		240	tetanus toxoid		
		241	pentavalent vaccine		
		242	pneumococcal vaccine		
		243	meningococcal vaccine		
		244	anti-rabies vaccine (PRV)	single dose vial	>2.5 IU
		245	anti-snake venom serum		
		246	anti D immunoglobulin (human)	single dose vial	250 micrograms
		247	diphtheria antitoxin	vial	10 000 IU; 20 000 IU
		248	tetanus immunoglobulin (human)	injection	500 IU in vial
		249	rabies immunoglobulin (human)	vial	150 IU/ml
AG Solutions					
		250	intraperitoneal dialysis solution	parenteral solution	of appropriate composition
AH Immunosuppressive					
		251	azathioprine (as sodium salt)	tablets	50 mg
		252	cyclosporine	injection	100 mg in vial
				capsule	25 mg

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
A1	Anti-parkinsonism	253	biperiden	injection tablets	5 mg (lactate) in 1-ml 2 mg (hydrochloride)
		254	kemadrin	tablets	5mg
		255	levodopa + carbidopa	tablets	100mg + 10 mg; 250mg + 25 mg
Aj	Antiseptics/ Disinfectants <i>Only chlorine based compound in stable dry granular form</i>	256	povidone-iodine	solution	10 %w/v
		257	halogenated sodium phosphate	powder	100gms
		258	chlorine based compound	powder	(0.1% available chlorine) for solution
		259	chlorhexidine + cetyltrimid	solution	1.5%w/v + 15%w/v
		260	acriflavine	cream	0.1 %w/w
		261	tincture benzoin compound	solution	7.5 %w/v
		262	chlorhexidine digluconate (7.1%) for cord care	gel	equivalent to 4 % chlorhexidine
	Antiseptics for Cord Care	263	syringe (auto disable) (DRAp approved)	sterile packs	1 cc, 3cc, 5cc, 10cc
AK	Disposable Supplies	264	disposable syringe (DRAp approved)	sterile packs	50 cc
		265	I.V sets	sterile packs	DRAp approved
		266	scalp vein set	sterile packs	DRAp approved
		267	volumetric chamber (I.V. burette)	sterile packs	100 ml size
		268	I.V cannula (DRAp approved)	sterile packs	16G, 20G, 22G, 24G
		269	adhesive tape (hypallergenic)	roll	1, 2 inch
		270	sterile gauze dressing		7.5 x 7.5 cm (10 ply)
		271	cotton bandage	roll	6.5cm x 2m
		272	absorbent cotton wool	pack	500gsm
		273	crepe bandage	roll	7.5, 10 cm x 2.7m
		274	examination gloves	pairs	box of 100 (small, medium and large size) [1:2:]

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		275	sterile surgical gloves	pairs	6½, 7, 7½, 8
		276	silk sutures sterile	12 / pack	0, 1/0, 2/0, 3/0, 4/0
		277	chromic catgut sterile	sterile packs	0, 1/0, 2/0, 3/0, 4/0
		278	silk sutures sterile	12 / pack	8/0, 10/0
		279	prolene / vicryl sterile sutures	sterile packs	0, 1/0, 2/0, 3/0, 4/0
		280	plaster of paris bandage	roll	10cm, 20cm x 6m
		281	face masks disposable		
		282	blood lancets	sterile packs	
		283	slides	sterile packs	set of 12
		284	endotracheal tube (ETT)	sterile packs	adult / paed
		285	nasogastric (NG) tube	sterile packs	
		286	Foley's catheter (all sizes)	sterile packs	all sizes
		287	urine bags	sterile packs	adult / paed
		288	blood transfusion set	sterile packs	
		289	blood bags	sterile packs	
		290	disposable airways	sterile packs	all sizes
		291	suction catheter	sterile packs	
		292	disposable cord clamps	sterile packs	
		293	spinal needle	sterile packs	all sizes
		294	surgical blades	sterile packs	all sizes
					<ul style="list-style-type: none"> ■ 1 bath soap, 50 gram wrapped ■ 1 apron ■ 2 paper towel ■ 2 pairs of atex examination gloves (m) ■ 1 plastic under sheet (about one square meter) ■ 1 under pads 60cmx90cm ■ 2 alcohol pads ■ 2 packs of sponges (4
		295	clean delivery kits	sterile packs	

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
					<ul style="list-style-type: none"> ■ sponge) ■ 1 sterile bulb sucker ■ 2 sterile umbilical cord clamp ■ 1 sterile surgical blade ■ 2 cotton thread (cord ties) ■ 1 maternity pad ■ 1 white poly bag for disposal ■ 1 unbleached dignity drape ■ 1 instruction sheet
AL	Radio contrast Media	296	amidotrizoate	injection	140 to 420 mg iodine /ml in 20 ml
		297	barium sulfate	aqueous suspension	
		298	iohexol	injection	140 mg to 350 mg iodine/ml in 5-ml; 10-ml; 20-ml ampoules.
AM	Dental Materials	299			

NOTES

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