



ESSENTIAL MEDICINES LIST



Department of Health Government of Balochistan



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Abstract

The Department of Health, Government of Balochistan, 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 Balochistan, 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
BPPR	Balochistan Public 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 Balochistan, that there should be segregated lists of essential medicines for each facility level.

The Department of Health, Government of Balochistan, 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 Balochistan, is pleased to announce the

first ever province-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 Balochistan 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://www.balochistan.gov.pk/health>.

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 Balochistan. 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 Balochistan.

Secretary,
Department of Health
Government of Balochistan

ACKNOWLEDGMENT

The Essential Medicines Lists (EMLs) have been developed for primary and secondary level healthcare facilities of the Department of Health (DOH), Government of Balochistan, 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 Balochistan 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 Balochistan.

The DOH highly appreciates the auspicious and productive support of USAID/Pakistan towards strengthening the health sector of the Balochistan 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.

Director General Health Services,
Department of Health
Government of Balochistan

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.

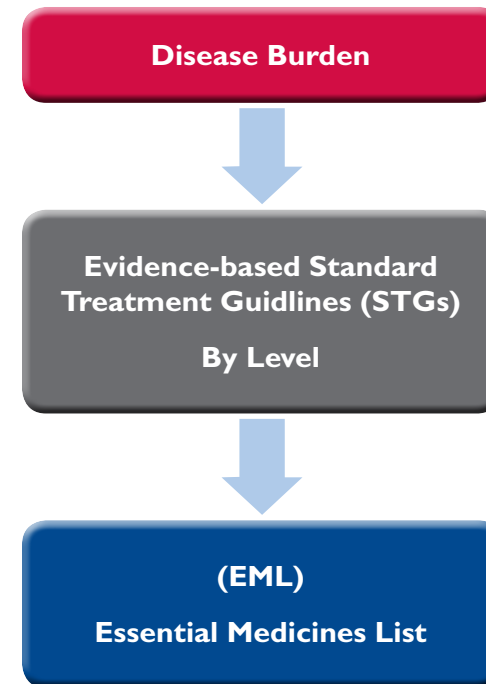
WHAT ARE ESSENTIAL MEDICINES?

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.

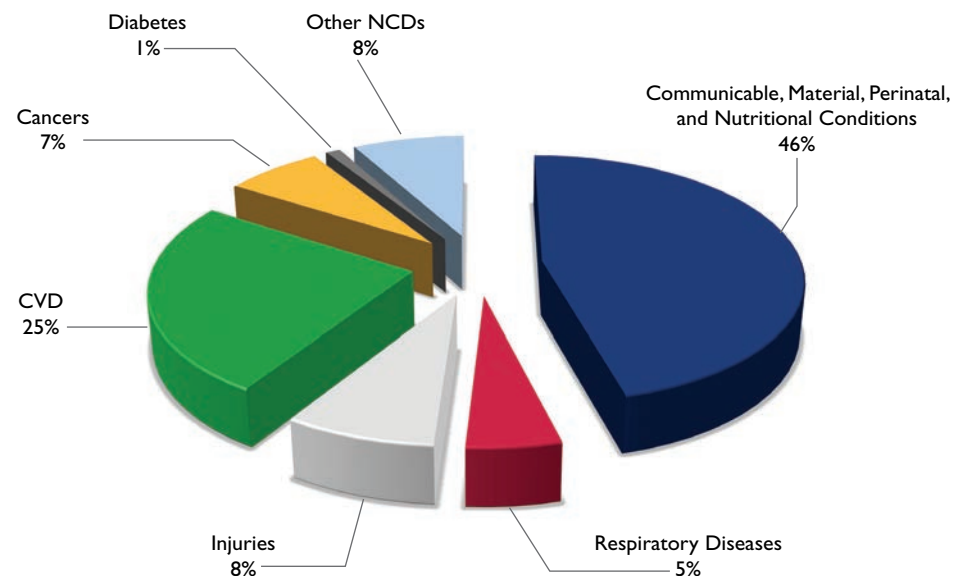
WHO discourages using the term Essential Drugs Lists (EDL) because the word Drugs is also commonly used for narcotics and other stimulant drugs. Therefore, WHO recommends using the title Essential Medicines List (EML).

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



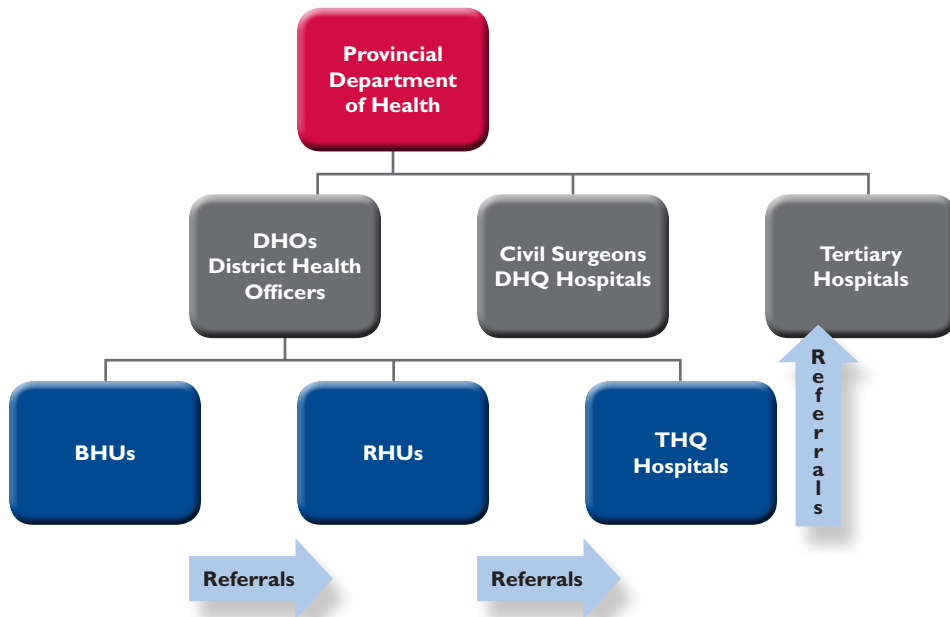
ACTIVITIES AND PROCESS ADOPTED TO DEVELOP EMLS

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) Balochistan, Balochistan 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, Balochistan. 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 Balochistan in a consultative workshop (see figure 3). The recommendations from the workshop were incorporated and the Balochistan 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 13 of Balochistan Public Procurement Rules (BPPR) 2013 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 I. 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	2% w/v (10ml)
				topical	2% gel (15gm)
B	Analgesics/NSAIDs	2	acetylsalicylic acid (dispersible/soluble)	tablet	100mg to 500mg
		3	acetylsalicylic acid	suppository	50mg to 150mg
		4	diclofenac (sodium)	ampule	75mg in 3ml
		5	ibuprofen 	tablet	200mg, 400mg
				syrup	200mg/5ml
		6	paracetamol	tablet	500mg
C	Anti-Allergics and medicines used in anaphylaxis			syrup	125mg/5ml
				suppository	100mg
		7	chlorpheniramine (hydrogen maleate) 	tablet	4mg
				syrup 	2.5mg/5ml
		8	dexamethasone (disodium phosphate)	injection	10mg/ml
		9	epinephrine (adrenaline)	injection	4mg/ml
		10	hydrocortisone (sodium succinate)	ampule	1mg/ml
		11	prednisolone 	injection	100mg, 250mg
12	loratadine	tablet	5mg		
		tablet	10mg		
		syrup	1mg/ml		

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
D	ANTI-INFECTIVES Antibiotics/ antimicrobials				
		13	amoxicillin (trihydrate) (preferably dispersible tablet)	capsule/ tablet syrup [Ⓢ] injection	250mg, 500mg 125mg, 250mg/5ml 250mg, 500mg
		14	ampicillin (as sodium salt)	injection	500mg and 1g
		15	ciprofloxacin (hydrochloride) [Ⓢ]	tablet	250mg, 500mg
		16	cotrimoxazole ⁺ (sulfamethoxazole + trimethoprim)	tablet [Ⓢ] syrup [Ⓢ]	400mg + 80mg 200mg + 40mg/5ml
		17	[Ⓢ] metronidazole (benzoate)	tablet syrup	200mg, 400mg 200mg/5ml
		18	mebendazole (chewable)	tablet syrup	500mg (with caution, only for adults) 100mg/5ml
F	Anti-Fungal	19	nystatin	tablet drops [Ⓢ]	500,000 IU 100,000 IU/ml
		20	clotrimazole	pessary vaginal cream vaginal tablet	1% 100mg and 500mg
G	Anti-Tuberculosis medicines As per TB control program guidelines	21	ethambutol	tablet	400mg
		22	isoniazid	oral liquid [Ⓢ] tablet/syrup [Ⓢ]	25mg/ml 50mg, 100mg, 300mg
		23	pyrazinamide	tablet	500mg
		24	rifampicin	capsule/syrup [Ⓢ]	150mg, 300mg, 450mg, 600mg
		25	streptomycin	injection	1gm

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
H	Antimalarial For vivax For falciparum To be used in combination (co-bliester)	26	ethambutol + isoniazid	tablet	400mg + 150mg
		27	isoniazid + rifampicin	tablet	75mg + 150mg; 150mg + 300mg
		28	isoniazid + pyrazinamide + rifampicin	tablet	75mg + 400mg + 150mg
		29	rifampicin + isoniazid + pyrazinamide + ethambutol	tablet	150mg + 75mg + 400mg + 275mg
		30	ethambutol + isoniazid + rifampicin	tablet	275mg + 75mg + 150mg
		31	chloroquine (phosphate or sulfate)	tablet	150mg
		32	primaquine (diphosphate)	tablet	15mg
		33	artesunate + sulphadoxine and pyrimethamine	tablet	co-bliester of (6 + 2) tablet—two large tablets, each has sulfadoxine 500mg U.S.P. + pyrimethamine 25mg U.S.P.—and six small tablet, each contains artesunate 50mg U.S.P.
		33	artesunate + sulphadoxine and pyrimethamine	tablet	co-bliester of (6 + 3) tablet—three large tablets, each has sulfadoxine 500mg U.S.P. + pyrimethamine 25mg U.S.P.—six small tablet, each contains artesunate 100mg U.S.P.
		34	artesunate	tablet	50mg
I	Anti-Diabetics	35	glibenclamide	tablet	5mg
		36	metformin (hydrochloride)	tablet	500mg
		37	insulin regular	injection	100 IU/ml
		38	insulin comp	injection	30% + 70% w/v

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
J	Cardiovascular medicines	39	furosemide [Ⓜ]	tablet	20mg, 40mg
		40	glyceryl trinitrate	injection	10mg
		41	methyldopa	sublingual	500mcg
		42	enalapril (maleate)	tablet	250mg
		43	hyoscine (butylbromide)	tablet	5mg, 10mg
K	Gastrointestinal (GIT) medicines	43	hyoscine (butylbromide)	injection	20mg/ml
		44	phloroglucinol	tablets	10mg
		44	phloroglucinol	tablets	phloroglucinol 80mg + trimethylphloroglucinol 80mg
		45	metoclopramide (hydrochloride) [†]	tablets	10mg
		45	metoclopramide (hydrochloride) [†]	syrup	5mg/5ml
46	omeprazole [Ⓜ]	injection	5mg/ml		
47	ranitidine	capsules	10mg, 20mg, 40mg		
48	aluminium hydroxide + magnesium trisilicate	injection	25mg/ml in 2ml		
48	aluminium hydroxide + magnesium trisilicate	tablets	250mg + 500mg		
L	Respiratory medicines	49	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 2.9gm B.P, potassium chloride 1.5gm B.P., sodium chloride 2.6gm B.P.
		50	glycerin	suppository	2 and 4mg
51	salbutamol (sulfate) [Ⓜ]	tablet	2 and 4mg		
52	aminophylline	solution	5mg/ml for nebulizer		
					25mg/ml

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
M	Miscellaneous	53	atropine (sulfate) [†]	ampule	1mg in 1ml
		54	charcoal activated	powder	
		55	diazepam	injection	10mg
		56	magnesium sulphate	gel or rectal solutions	5mg/ml in 0.5ml; 2ml; 4-ml
		57	naloxone (hydrochloride)	injection	500mg/ml
N	Ophthalmic/ENT	58	oxygen concentrator/cylinder	injection	400mcg in 1ml
		59	boroglycerine	ear drops (only for wax removing)	40.00%
		60	polymyxin B sulphate + lignocaine	ear drops	each ml contains polymyxin B (sulphate):1000IU/ml,Lignocaine:50mg/ml]; 5ml plastic bottle
		61	chloramphenicol	eye drops	1% w/v, 0.5% w/v
		62	gentamicin (sulfate)	eye drops	0.30%
O	I/V infusions	63	polymyxin B (sulphate) + bacitracin zinc	eye ointment	10,000 IU/g + 500 IU/g
		64	dextrose + saline	infusion	5% + 0.9% w/v
		65	glucose/dextrose	infusion	5%, 10%
		66	normal saline	infusion	0.9%
		67	Ringer lactate	infusion	infusion 1,000ml contains calcium chloride 0.2gm U.S.P.; potassium chloride 0.3gm U.S.P.; sodium chloride 6gm U.S.P.; 3.1gm sodium lactate U.S.P., sterile water for injection 1,000ml (q.s.),1,000ml collapsible plastic bottle
68	water for injection	ampule	5ml and 10ml		

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
P	Vitamins and minerals	69	ascorbic acid	tablet	50mg, 100mg, 500mg
		70	calcium gluconate	injection	100mg/ml in 10 ml
	Micronutrients	71	calcium lactate	tablet	500mg, 1gm
		72	ergocalciferol (vitamin D) 	tablet	1.25mg (50,000 IU)
		73	ferrous salt (fumerate)	tablet	equivalent to 60mg iron
		74	folic acid	syrup	equivalent to 25mg/ml iron
		75	ferrous salt + folic acid	tablet	0.5mg, 1mg, and 5mg
		75	ferrous salt + folic acid	tablet (DRAP approved)	tablet, equivalent to 60mg iron + 400mcg folic acid
76	multiple micronutrients	sachet	UNICEF approved		
77	retinol (vitamin A)	tablet/ capsule	50,000 IU; 100,000 IU; 200,000 IU (as palmitate)		
Q	Dermatologicals	78	zinc sulphate	dispersible tablet	20mg
		79	B complex	tablet	DRAP approved
		80	multivitamins	tablet	DRAP approved
		81	benzyl benzoate 	lotion	5%, 25%
		82	calamine 	lotion	15%
		83	hydrocortisone 	cream	1%
		84	polymyxin B (sulphate) + bacitracin zinc	ointment	10,000 IU/g + 500IU/g
		85	silver sulphadiazine 	cream	1%
R	Oxytocic medicines	86	ergometrine (hydrogen maleate) 	injection	200mcg in 1ml
		87	misoprostol	tablet	200mcg
		88	oxytocin	injection	10 IU in 1-ml

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
S	Contraceptives	89	condoms		
		90	ethynylestradiol  + norethisterone 	CO pills	35mcg + 1mg
		91	levonorgestrel 	PO pills	30mcg
		92	copper T/multiload	IUCD	
		93	medroxyprogesterone acetate (DMPA)	injection	150mg /1ml
		94	norethisterone enantate	injection	200mg/ml in 1ml
		95	BCG vaccine		
		96	DPT vaccine		
		97	hepatitis vaccine		
		98	measles vaccine		
T	Vaccines and sera	99	polio vaccine (OPV trivalent)/IPV	oral/ injection	WHO-approved/as per national EPI program
		100	pentavalent vaccine		
		101	pneumococcal vaccine		
		102	tetanus toxoid		
		103	anti-rabies vaccine (PVRV)	single-dose vial	
		104	anti-snake venom serum		

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
U	Antiseptics/ disinfectants	105	povidone-iodine	solution	10% w/v
		106	halogenated sodium phosphate	powder	100gms
	Antiseptics for cord care	107	chlorine-base compound	powder	(0.1% available chlorine) for solution
		108	chlorhexidine + ceterimide	solution	1.5% w/v + 15% w/v
		109	chlorhexidine digluconate (7.1%) for cord care	solution, gel	equivalent to 4% chlorhexidine
		110	syringe (autodisable)	sterile packs	1cc and 5cc
		111	IV sets (DRAP approved)	sterile packs	
		112	IV canula (DRAP approved)	sterile packs	16G, 20G, 24G
		113	adhesive tape (hypoallergenic)	roll	1 inch, 2 inch
		114	surgical gauze		32 pix, 40 M
115	cotton bandage	roll	6.5cm x 2m		
116	absorbent cotton wool	pack	500gm		
V	Disposable supplies	117	examination gloves	pairs	box of 100 (small, medium, and large) [1:2:1]
		118	sterile surgical gloves	pairs	7, 7½
		119	silk sutures	sterile packs	0, 1/0, 2/0, 3/0, 4/0
		120	face masks disposable		
		121	blood lancets	sterile packs	
		122	slides		

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
					<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 undersheet (about one square meter) 1 underpad 60 cm x 90 cm 2 alcohol pads 2 packs of sponges (4 sponges) 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
		123	clean delivery kits	sterile packs	

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 catheter	All sizes (10 F to 28 F)	12
23	NG tube	(14–18 Fr; infant/child: 10–14 Fr)	10
24	NG tube	(14–18 Fr; infant/child: 10–14 Fr)	10

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	lidocaine (hydrochloride)☐	vial/ampoule	5% (hydrochloride) in 2 ml ampoule to be mixed with 7.5% glucose solution
		2	lignocaine + epinephrine (adrenaline)	topical forms	2% gel, 4% solution
		3	lignocaine + epinephrine (adrenaline)	injection	2% + 1:200 000
B	Analgesics opioid	4	morphine (sulphate or hydrochloride)	dental cartridge	2% + 1:80 000
		5	ampoule	10mg/1ml	
C	Analgesics/NSAIDs	6	pethidine (hydrochloride)	ampule	50mg/ml in 2ml
		7	acetylsalicylic acid (dispersible)	tablet	300mg
			mefenamic acid	tablet	250mg
				suspension	50mg/5ml
		8	diclofenac (sodium)	tablet	50mg
				ampule	75mg in 3ml
		9	ibuprofen †	tablet	200mg, 400mg
		syrup	200mg/5ml		
D	Anti-Allergics and medicines used in anaphylaxis	10	paracetamol	tablet	500mg
				injection	150mg/ml
				syrup	12.5mg/5ml
				suppository	100mg
		11	☐ chlorpheniramine (hydrogen maleate) †	tablet	4mg
		injection	10mg/ml		
		syrup☉	2mg/5ml		

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
E	Antidotes and other substances used in poisonings	12	dexamethasone (disodium phosphate)	injection	4mg/ml
		13	epinephrine (adrenaline)	tablet	0.5mg
		14	hydrocortisone (sodium succinate)	ampule	1mg /ml
		15	loratidine	injection	100mg, 250mg
		16	loratidine	tablet	10mg
		17	prednisolone	syrup	1mg/ml
		18	atropine (sulfate) †	tablet	5mg
		19	charcoal activated	ampule	1mg in 1ml
		20	diazepam	powder	
		21	diazepam	injection	10mg
		22	methylthioninium chloride (methylene blue)	ampule	10mg/ml in 10ml
F	Anti-Epileptics	21	naloxone (hydrochloride)	ampule	400mcg in 1ml
		22	carbamazepine	tablet	200mg
		23	magnesium sulphate	syrup	100mg/5ml
		24	magnesium sulphate	injection	500mg/ml
		25	phenobarbital (sodium)	tablet	30mg
G	Anti-Helminthic	24	phenobarbital (sodium)	injection	200mg/ml
		25	phenytoin (sodium)	tablet	100mg
		26	al bendazole	tablet	200mg
27	mebendazole (chewable)	syrup	100mg/5ml		
28	pyrantel (pamoate)	tablet	500mg (with caution only for adults)		
			pyrantel (pamoate)	tablet	250mg
			pyrantel (pamoate)	syrup	250mg/5ml

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
H	Anti-Fungal	29	clotrimazole	vaginal cream	1%
		30	nystatin	vaginal tablet	100mg, 500mg
		31	nystatin	topical cream	1% w/w
I	Anti-Infectives Antibiotics/ antimicrobials	30	nystatin	tablet	500,000 IU
		31	amoxicillin (trihydrate)	drops	100,000 IU/ml
		32	ampicillin (sodium)	pessary	100,000 IU
		33	azithromycin	capsule/ tablet	250mg, 500mg
		34	benzathine penicillin	syrup	125mg, 250mg/5ml
		35	chloramphenicol (palmitate)	injection	250mg, 500mg
		36	cefixime* (trihydrate)	capsule	250mg, 500mg
		37	ciprofloxacin (hydrochloride)	syrup	125mg, 250mg/5ml
		38	cotrimoxazole †	injection	500mg and 1g
		39	doxycycline (hyclate) †	capsule	250mg, 500mg
		39	doxycycline (hyclate) †	suspension	125mg/5ml in 22.5ml
	Only for epidemic meningitis	34	benzathine penicillin	injection	0.6m IU, 1.2m IU
	Only listed for single-dose treatment of uncomplicated ano-genital gonorrhoea	35	chloramphenicol (palmitate)	capsule	250mg
			(sodium succinate)	syrup	125mg/5ml
		36	cefixime* (trihydrate)	injection	1gm
		37	ciprofloxacin (hydrochloride)	capsule	400mg
			cotrimoxazole †	tablet	250mg, 500mg
		38	(sulfamethoxazole + trimethoprim)	tablet	400mg + 80mg
		39	doxycycline (hyclate) †	syrup	200mg + 40mg/5ml
			doxycycline (hyclate) †	capsule	100mg

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
		40	gentamicin (sulfate)☐	injection	40mg, 80mg
		41	metronidazole☐ (benzoate)	tablet syrup	200mg, 400mg 200mg/5ml
		42	nitrofurantoin	infusion	5mg/ml in 100ml
		43	procaine benzylpenicillin	tablet	100mg
		44	phenoxymethylpenicillin (potassium)	injection	1 m IU ; 3 m IU
				tablet	250mg, 500mg
				syrup	12.5mg/5ml
J	Anti-Tuberculosis medicines	45	ethambutol	tablet	400mg
	As per TB control program guidelines	46	isoniazid	oral liquid☐	25mg/ml
		47	pyrazinamide	tablet/syrup☐	50mg, 100mg, 300mg
		48	rifampicin	tablet	500mg
		49	streptomycin	capsule/syrup☐	150mg, 300mg, 450mg, 600mg
		50	ethambutol + isoniazid	injection	1gm
		51	isoniazid + rifampicin	tablet	400mg + 150mg
		52	isoniazid + pyrazinamide + rifampicin	tablet	75mg + 150mg; 150mg + 300mg
		53	rifampicin + isoniazid + pyrazinamide + ethambutol	tablet	75mg + 400mg + 150mg
		54	ethambutol + isoniazid + rifampicin	tablet	150mg + 75mg + 400mg + 275mg
		55	glibenclamide	tablet	275mg + 75mg + 150mg
K	Anti-Diabetics	56	metformin (hydrochloride)	tablet	5mg
		57	insulin regular	injection	500mg
				injection	100 IU/ml

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
		58	insulin comp	injection	30% + 70% w/v
L	Antimalarial	59	chloroquine (phosphate or sulfate)	tablet	150mg
	For Vivax	60	primaquine (diphosphate)	tablet	15mg
	For falciparum	61	sulphadoxine + pyrimethamine co-blister/combined therapy	tablet	500mg + 25mg
	To be used in combination (co-blister)		artesunate + sulphadoxine and pyrimethamine	tablet	co-blister of (6+2) tablet, 2 large tablets-each has sulfadoxine 500mg U.S.P. + pyrimethamine 25mg U.S.P.—6 small tablets, each has artesunate 50mg U.S.P.
	Management of severe malaria	62	artesunate + sulphadoxine and pyrimethamine	tablet	co-blister of (6 + 3) tablet—3 large tablet, each has sulfadoxine 500mg U.S.P. + pyrimethamine 25mg U.S.P.—6 small tablet, each tablet has artesunate 100mg U.S.P.
M	GIT medicines	63	artemether	injection	40mg/ml
		64	hyoscine (butylbromide)	injection	20mg/ml
		65	phloroglucinol	tablet	10mg
				tablet	phloroglucinol 80mg + trimethylphloroglucinol 80mg
		66	metoclopramide (hydrochloride) †	tablet	10mg
				syrup	5mg/5ml
				injection	5mg/ml
		67	omeprazole☐	capsule	10mg, 20mg, 40mg
		68	ranitidine	injection	25mg/ml in 2ml
				tablet	150mg, 250mg

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
		69	aluminium hydroxide + magnesium trisilicate	tablet	250mg + 500mg
	Recommended in combination with zinc sulphate 20mg dispersible tablet for acute diarrhea	70	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 2.9gm B.P., potassium chloride 1.5gm B.P., sodium chloride 2.6gm B.P.
		71	bisacodyl	tablet	5mg
		72	glycerin	suppository	
N	Cardiovascular medicines	73	glyceryl trinitrate	sublingual	500mcg
		74	isosorbide dinitrate [Ⓜ]	sublingual	5mg
	75	amlodipine (besylate)	tablet	2.5mg, 5mg	
	76	methyldopa	tablet	250mg, 500mg	
	77	hydrochlorothiazide [Ⓜ]	injection	250mg	
	78	enalapril (maleate)	injection	20mg	
	79	atenolol	tablet	25mg, 50mg	
	80	furosemide [Ⓜ]	tablet	5mg, 10mg, 25mg	
O	Oxytocic medicines	81	ergometrine (hydrogen maleate) [Ⓜ]	tablet	20mg, 40mg
		82	misoprostol	injection	10mg
				injection	200mcg in 1ml
				tablet	200mcg

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength		
		83	oxytocin	injection	10 IU in 1ml		
P	Respiratory medicines	84	salbutamol (sulfate) [Ⓜ]	tablet	2mg and 4mg		
				inhaler	100mcg per dose		
		85	ammonium chloride + chloroform + menthol + diphenhydramine + sodium citrate	antitussive expectorant	13 1.5mg/5ml + 22mg/5ml + 1mg/5ml + 13.5mg/5ml + 55mg/5ml		
Q	Ophthalmic/ENT	86	aminophylline	injection	25mg/ml		
		87	boroglycerine	ear drops (only for wax removing)	40.00%		
		88	polymyxin B sulphate + lignocaine	ear drops	each ml contains Polymyxin B (Sulphate): 1000IU/ml, Lignocaine: 50mg/ml]; 5ml plastic bottle		
		89	chloramphenicol	eye drops	1% w/v, 0.5% w/v		
		90	ciprofloxacin [Ⓜ] (hydrochloride)	eye/ear drops	0.3% w/v		
		91	tetracycline (hydrochloride) [Ⓜ]	eye ointment	1%		
		92	xylometazoline + [Ⓜ]	nasal drops	0.05%		
		93	plasma expander	infusion	dextran 6% w/v, glucose 5% w/v		
		R	Plasma substitutes	94	glucose/dextrose	infusion	5%, 10%
				95	normal saline	ampule	25%
96	dextrose + saline			infusion	0.9% 5% + 0.9% w/v		

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
		97	Ringer lactate [Ⓜ]	infusion	infusion 1,000ml contains calcium chloride 0.2gm U.S.P.; potassium chloride 0.3gm U.S.P.; sodium chloride 6gm U.S.P.; 3.1gm sodium lactate U.S.P., sterile water for injection
		98	potassium chloride	solution	11.2% in 20ml ampoule
		99	sodium bicarbonate	injection	1.4% isotonic
		100	water for injection	ampule	5ml, 10ml
S	Vitamins and minerals	101	ascorbic acid	tablet	50mg, 100mg, 500mg
		102	calcium gluconate	injection	100mg/ml in 10-ml
		103	calcium lactate	tablet	500mg, 1gm
		104	calcium chloride	injection	200mg/ml
		105	ergocalciferol (vitamin D) [Ⓜ]	tablet	1.25mg (50,000 IU)
		106	ferrous salt (fumerate)	tablet	equivalent to 60mg iron
		107	folic acid	syrup	equivalent to 25mg/ml iron
				tablet	1mg, 5mg
		108	ferrous salt + folic acid	tablet (DRAP approved)	tablet, equivalent to 60mg iron + 400mcg folic acid
		109	multiple micronutrients	sachet	
		110	retinol (vitamin A)	tablet/capsule	50,000 IU; 100,000 IU; 200,000 IU (as palmitate)
		111	zinc sulphate	dispersible tablet	20mg
		112	vitamin K	injection	10mg
		113	B complex	tablet	
		114	multivitamins	tablet	

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
T	Dermatologicals	115	benzyl benzoate + [Ⓜ]	lotion	5%, 25%
		116	permethrin	cream, lotion	5% w/w
		117	calamine [Ⓜ]	lotion	15%
		118	coal tar	lotion	5%
		119	clobetasol (propionate)	cream	0.05% w/w
		120	hydrocortisone [Ⓜ]	cream	1%
		121	polymyxin B (sulphate) + bacitracin zinc	ointment	10,000 IU/g + 500 IU/g
		122	silver sulphadiazine + [Ⓜ]	cream	1%
U	Contraceptives	123	condoms		
		124	ethinylestradiol [Ⓜ] + norethisterone [Ⓜ]	CO pills	35mcg + 1mg
		125	levonorgestrel [Ⓜ]	PO pills	30mcg
		126	levonorgestrel	EC pills	750 mcg (pack of 2)
		127	copper T/multiloal	IUCD	
		128	DMPA (medroxyprogesterone acetate)	injection	150mg/ml
		129	norethisterone enantate	injection	200mg/ml in 1ml
		130	estradiol cypionate + medroxyprogesterone acetate	injection	5mg + 25mg
V	Vaccines and sera	131	BCG vaccine		WHO approved/as per national EPI program
		131	DPT vaccine		
		132	polio vaccine (OPV trivalent)/IPV	oral/ injection	
		133	hepatitis vaccine		

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
		134	measles vaccine		
		135	tetanus toxoid		
		136	pentavalent vaccine		
		137	pneumococcal vaccine		
		138	anti-rabies vaccine (PVRV)	single-dose vial	
		139	anti-snake venom serum		
W	Miscellaneous	140	tranexamic acid	injection caps	250mg, 500mg /5ml 250mg, 500mg
X	Anxiolytics	141	alprazolam	tablet	0.5mg
		142	diazepam	tablet	2mg
Y	Antiseptics/ disinfectants <i>Only chlorine-based compound in stable dry granular form</i>	143	povidone-iodine	solution	10% w/v
		143	halogenated sodium phosphate	powder	100gm
		144	chlorine base compound	powder	(0.1% available chlorine) for solution
		145	chlorhexidine + ceterimide	solution	1.5% w/v + 15% w/v
		146	chlorhexidine digluconate (7.1%) for cord care	solution, gel	equivalent to 4% chlorhexidine
Z	Disposable supplies	147	syringe (autodisable)	sterile packs	1cc, 5cc
		148	IV sets (DRAP approved)	sterile packs	
		149	scalp vein set (DRAP approved)	sterile packs	
		150	volumetric chamber (IV burette)	sterile packs	100ml size
		151	IV canula (DRAP approved)	sterile packs	18G, 20G, 22G, 24G
		152	adhesive tape (hypoallergenic)	roll	1 inch, 2 inch

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
		153	sterile gauze dressing		7.5 x 7.5 cm (10 ply)
		154	liquid paraffin gauze	sterile packs	
		155	cotton bandage	roll	6.5cm x 2m
		156	absorbent cotton wool	pack	500gm
		157	crepe bandage		7.5, 10 cm x 2.7m
		158	examination gloves	pairs	box of 100 (small, medium, and large size) [1:2:1]
		159	sterile surgical gloves	pairs	6, 6½, 7, 7½
		160	silk sutures sterile	12/pack	0, 1/0, 2/0, 3/0, 4/0
		161	chromic catgut sterile	sterile packs	0, 1/0, 2/0, 3/0, 4/0
		162	face masks disposable		
		163	blood lancets	sterile packs	
		164	slides		
		165	air way	set of 3	adult/pediatric
		166	endotracheal tube	sterile packs	set of 12
		167	resuscitator bag with mask		adult/pediatric
		168	nasogastric tube		adult/pediatric

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
		169	clean delivery kits	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 undersheet (about one square meter) • 1 underpad 60 cm x 90 cm • 2 alcohol pads • 2 packs of sponges (4 sponges) • 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 isposal • 1 unbleached dignity drape • 1 instruction sheet

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	1 cc	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 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/isoflurane	inhalation	
		2	nitrous oxide	inhalation	
		3	oxygen (medicinal gas) cylinder	inhalation	
		4	ketamine (hydrochloride)	injection	50mg /ml in 10ml
		5	thiopental sodium	injection	10mg/ml, 20mg/ml
B	Muscle relaxants	6	neostigmine (metisulfate) (bromide)	injection	2.5mg in 1ml
		7	suxamethonium (chloride)	tablets	15mg
C	Anesthetics local	8	bupivacaine (hydrochloride) [H]	ampoules	50mg/ml in 2ml
		9	lidocaine (hydrochloride) [H]	vial	0.25%; 0.5%
		10	injection for spinal anesthesia	ampoules	(5mg/ml) 0.5% in 4ml
		11	injection for spinal anesthesia	ampoules	5% (hydrochloride) in 2ml ampoules to be mixed with 7.5% glucose solution
		12	injection for spinal anesthesia	ampoules	2% gel, 4% solution
		13	injection for spinal anesthesia	ampoules	2% + 1:200,000
		14	injection for spinal anesthesia	ampoules	2% + 1:80,000
D	Complementary list	15	ephedrine (hydrochloride)	ampoules	30mg in 1ml
		16	morphine (sulphate or hydrochloride)	ampoules	10mg in 1ml
		17	pethidine (hydrochloride)	ampoules	50mg/ml in 2ml
		18	nalbuphine (HCl)	injection	10mg/ml, 20mg/ml
		19	pentazocin	injection	30mg/ml
		20	acetylsalicylic acid (dispersible)	dispersible tablets	300mg
		21	acetylsalicylic acid (dispersible)	dispersible tablets	300mg
E	Analgesics Opioid/central acting	22	ephedrine (hydrochloride)	ampoules	30mg in 1ml
		23	morphine (sulphate or hydrochloride)	ampoules	10mg in 1ml
		24	pethidine (hydrochloride)	ampoules	50mg/ml in 2ml
		25	nalbuphine (HCl)	injection	10mg/ml, 20mg/ml
		26	pentazocin	injection	30mg/ml
		27	acetylsalicylic acid (dispersible)	dispersible tablets	300mg
		28	acetylsalicylic acid (dispersible)	dispersible tablets	300mg
		29	acetylsalicylic acid (dispersible)	dispersible tablets	300mg
		30	acetylsalicylic acid (dispersible)	dispersible tablets	300mg
		31	acetylsalicylic acid (dispersible)	dispersible tablets	300mg
		32	acetylsalicylic acid (dispersible)	dispersible tablets	300mg
		33	acetylsalicylic acid (dispersible)	dispersible tablets	300mg
		34	acetylsalicylic acid (dispersible)	dispersible tablets	300mg
		35	acetylsalicylic acid (dispersible)	dispersible tablets	300mg
		36	acetylsalicylic acid (dispersible)	dispersible tablets	300mg
		37	acetylsalicylic acid (dispersible)	dispersible tablets	300mg

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
		18	diclofenac (sodium)	tablet ampule gel	50mg 75mg in 3ml 3% w/w
		19	ibuprofen ✦	tablet gel	200, 400mg 10% w/w
		20	naproxen	syrup tablet	200mg/5ml 250mg, 500mg
		21	paracetamol	tablet syrup injection	500mg 125mg/5ml 150mg/ml
F	Medicines to treat gout	22	allopurinol	suppository tablet	100mg 100mg and 300mg
G	Anti-Allergics and medicines used in anaphylaxis	23	chlorpheniramine (hydrogen maleate) ✦ ☑	tablet injection syrup ☑	4mg 10mg/ml 2mg/5ml
		24	loratadine	tablet syrup	10mg 1mg/ml
		25	cetirizine	tablet syrup	10mg 5mg/5ml
		26	promethazine (HCl)	tablet syrup injection	25mg 25mg/5ml 25mg/ml in 2ml
		27	dexamethasone (disodium phosphate)	injection tablet	4mg/ml 0.5mg

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
		28	epinephrine (adrenaline)	ampule	1mg /ml
		29	hydrocortisone (sodium succinate)	injection	100mg, 250mg
		30	prednisolone ☑	tablet	5mg
H	Antidotes and other substances used in poisonings	31	atropine (sulfate) ✦	ampule	1mg in 1ml
		32	charcoal activated	powder	
		33	methylthioninium chloride (methylene blue)	ampule	10mg/ml in 10ml
		34	naloxone (hydrochloride)	ampule	400 mcg in 1ml
I	Anti-Epileptics Anti-Convulsives For eclampsia only	35	carbamazepine	tablet	200mg
		36	magnesium sulphate	syrup injection	100mg/5ml 500mg/ml
		37	phenobarbital (sodium)	tablet injection	30mg 200mg /ml
		38	phenytoin (sodium)	tablet syrup	100mg 30mg/5ml
J	Antibiotics/ antimicrobials	39	amoxicillin (trihydrate) (preferably dispersible tablet)	capsule/ tablet powder for suspension ☑ injection	250mg, 500mg 125mg, 250mg/5ml 250mg, 500mg
		40	ampicillin (sodium)	capsule powder for suspension ☑ injection	250mg, 500mg 125mg, 250mg/5ml 500mg, 1 g
		41	amoxicillin + clavulanic acid	tablet	125mg amoxicillin + 31,25mg clavulanic acid/5ml and 250mg amoxicillin + 62,5mg clavulanic acid/5ml

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
		42	benzathine penicillin	injection	1gm
				injection [Ⓞ]	0.6m IU, 1.2m IU
		43	cloxacillin	capsule	250mg, 500mg
				powder for suspension [Ⓞ]	125mg, 250mg/5ml
	Only listed for single-dose treatment of uncomplicated ano-genital gonorrhoea	44	cefixime* (trihydrate)	capsule	400mg
				syrup	100mg, 200mg/5ml
	Only for epidemic meningitis	45	ceftriaxone (sodium) ⁺	powder for injection	250mg, 500mg, 1gm
		46	chloramphenicol (palmitate)	capsule	250mg
			(sodium succinate)	syrup	125mg/5ml
		47	ciprofloxacin (hydrochloride) [Ⓞ]	injection	1gm
				tablet	250mg, 500mg
		48	azithromycin [Ⓞ]	capsule	250mg, 500mg
				suspension	125mg/5ml in 22.5ml
	Recommended in combination regimens for eradicating <i>H. pylori</i> in adult.	49	clarithromycin*	tablet	500mg
		50	clindamycin (hydrochloride) (phosphate)	capsule	150mg, 300mg
				injection	150mg/ml
		51	cotrimoxazole ⁺ (sulfamethoxazole + trimethoprim)	tablet [Ⓞ]	400mg + 80mg
				syrup [Ⓞ]	200mg + 40mg/5ml
		52	doxycycline (hyclate) ⁺	capsule [Ⓞ]	100mg
				syrup [Ⓞ]	25mg/5ml
		53	gentamicin (sulfate) [Ⓞ]	injection	40mg, 80mg

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
		54	levofloxacin	tablet	250g, 500mg
		55	metronidazole [Ⓞ] (benzoate)	tablet	200mg, 400mg
				injection	500mg in 100-ml
				syrup	200mg/5ml
		56	nitrofurantoin	tablet	100mg
		57	procaine benzylpenicillin	injection	1m IU, 3m IU
		58	phenoxymethylpenicillin (potassium)	tablet	250mg, 500mg
				syrup	125mg/5ml
K	Anti-Helminthic	59	albendazole	tablet	200mg
				syrup	100mg/5ml
		60	mebendazole (chewable)	tablet	500mg (with caution only for adults)
		61	pyrantel (pamoate)	tablet	250mg
				syrup	250mg/5ml
L	Anti-Fungal	62	clotrimazole	vaginal cream	1%
				vaginal tablet	100mg, 500mg
		63	fluconazole [Ⓞ]	capsule	50mg
				injection	2mg/ml
				syrup	50mg/5ml
		64	nystatin	tablet	500,000 IU
				drops [Ⓞ]	100,000 IU/ml
M	Anti-Tuberculosis medicines	65	ethambutol	tablet	400mg
	As per TB Control program guidelines			oral liquid [Ⓞ]	25mg/ml
		66	isoniazid	tablet/syrup [Ⓞ]	50mg, 100mg, 300mg

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
		67	pyrazinamide	tablet	500mg
		68	rifampicin	caps/syr ^{up} Ⓢ	150mg, 300mg, 450mg, 600mg
		69	streptomycin	injection	1gm
		70	ethambutol + isoniazid	tablet	400mg + 150mg
		71	isoniazid + rifampicin	tablet	75mg + 150mg; 150mg + 300mg
		72	isoniazid + pyrazinamide + rifampicin	tablet	75mg + 400mg + 150mg
		73	rifampicin + isoniazid + pyrazinamide + ethambutol	tablet	150mg + 75mg + 400mg + 275mg
		74	ethambutol + isoniazid + rifampicin	tablet	275mg + 75mg + 150mg
N	Anti-Diabetics	75	glibenclamide	tablet	5mg
		76	glibenpiride	tablet	1mg, 2mg, 3mg
		77	metformin (hydrochloride)	tablet	500mg
		78	insulin regular	injection	100 IU/ml
		79	insulin comp	injection	30% + 70% w/v
O	Antimalarial	80	chloroquine (phosphate or sulfate)	tablet	150mg
	For vivax	81	primaquine (diphosphate)	tablet	15mg
	For falciparum	82	sulphadoxine + pyrimethamine	tablet	500mg + 25mg
	To be used in combination (co-blister)	83	artesunate	tablet	50mg
	Management of severe malaria	84	artesunate + sulphadoxine + pyrimethamine	tablet	co-blister of (6 + 2) tablet—2 large tablet, each has sulfadoxine 500mg U.S.P. + pyrimethamine 25mg U.S.P.—6 small tablets, each has artesunate 50mg U.S.P.]

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
		85	artesunate + sulphadoxine + pyrimethamine	tablets	co-blister of (6 + 3) tablet—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.
		85	artemether*	ampule	80mg/ml in 1ml
		86	artemether + lumefantrine*	tabletⓈ	20mg + 120mg
P	GIT medicines	85	hyoscine (butylbromide)	injection tablet	20mg/ml 10mg
		86	phloroglucinol	tablet	phloroglucinol 80mg + trimethylphloroglucinol 80mg
		87	metoclopramide (hydrochloride) †	tablet syrup	10mg 5mg/5ml
		88	dimenhydrinate	injection	5mg/ml
		89	omeprazoleⓈ	tablet	50mg
		89	omeprazoleⓈ	capsule	10mg, 20mg, 40mg
		90	ranitidine	injection	25mg/ml in 2ml
		91	aluminium hydroxide + magnesium trisilicate	tablet	150mg, 250mg
		91	aluminium hydroxide + magnesium trisilicate	tablet	250mg + 500mg
	For treatment of acute diarrhea—in combination with zinc sulphate 20mg dispersible tablet	92	ORS (low osmolality)	sachet	dry mixture (low osmolality formula) in sachet for 1 liter of solution—each sachet contains glucose anhydrous 13.5gm B.P., trisodium citrate dihydrate 2.9gm B.P, potassium chloride 1.5gm B.P., sodium chloride 2.6gm B.P.
		93	sodium phosphate	enema	7.2g /120ml

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
		94	bisacodyl	tablet	5mg
		95	glycerin	suppository	
		96	magnesium oxides and hydroxides	suspension	7.9% w/v
Q	Cardiovascular medicines	97	acetylsalicylic acid	tablet	100mg
		98	bisoprolol [Ⓜ]	tablet	1.25mg; 5mg
		99	digoxin	tablet injection	62.5mcg, 250mcg 250mcg /ml in 2ml
		100	dopamine (hydrochloride)	injection	40mg/ml in 5ml vial
		101	enalapril (maleate) [Ⓜ]	tablet	2.5mg, 5mg
	For severe PIH only	102	glyceryl trinitrate	sublingual	500 mcg
		103	hyralazine (hydrochloride)	injection tablet	20mg 25mg, 50mg
		104	isosorbide dinitrate [Ⓜ]	sublingual	5mg
	For severe PIH only	105	methyldopa	tablet	250mg, 500mg
		106	propranolol (HCl)	injection	250mg
		107	simvastatin [Ⓜ]	tablet/caps	10mg, 40mg, 80mg
		108	verapamil (hydrochloride)	tablet	5mg, 10mg, 20mg, 40mg
R	Diuretics	109	furosemide [Ⓜ]	tablet	40mg, 80mg
		110	hydrochlorothiazide [Ⓜ]	tablet	20mg, 40mg
		111	spironolactone	injection tablet	10mg 12.5mg, 25mg
S	Medicines affecting coagulation	112	heparin sodium	tablet injection	25mg 1,000, 5,000, 20,000 IU/ml


Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
		113	tranexamic acid	injection	100mg/ml in 10ml
		114	warfarin (sodium) [Ⓜ]	capsule tablet	250mg, 500mg 1mg, 2mg, 5mg
T	Antivirals for hepatitis	115	interferon alpha 2b	injection	3 MIU
		116	ribavirin	tablet	200mg, 400mg, 600mg
U	Anti-Herpes medicines	117	acyclovir [Ⓜ]	tablet syrup cream/ointment	200mg 200mg/5ml 5% w/w
V	Oxytocic medicines	118	ergometrine (hydrogen maleate) [Ⓜ]	injection	200mcg in 1ml
		119	misoprostol	tablet	200mcg
W	Respiratory medicines	120	oxytocin	injection	10 IU in 1ml
		121	aminophylline	injection tablet	25mg/ml in 10ml 100mg
		122	beclomethasone (dipropionate)	Inhalation (aerosol)	50mcg per dose
		123	salbutamol (sulfate) [Ⓜ]	tablet Inhalation (aerosol) solution for nebulizer injection	2mg, 4mg 100mcg per dose 5mg /ml 50 mcg in 5ml
		124	ammonium chloride + chloroform + menthol + diphenhydramine + sodium citrate	antitussive expectorant	13 1.5mg/5ml + 22mg/5ml + 1mg/5ml + 13.5mg/5ml + 55mg/5ml
		125	dextromethorphan + diphenhydramine	antitussive syrup	12.5mg/5ml + 12.5mg/5ml

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
X	Ophthalmic	126	dexamethasone	eye drops	0.1% w/v
		127	gentamicin (sulfate)	eye drops	0.30%
		128	tropicamide	eye drops	1% w/v
		129	pilocarpine (hydrochloride or nitrate)	eye drops	2%, 4%
		130	tetracycline (hydrochloride)	eye ointment	1%
		131	polymyxin B (sulphate) + bacitracin zinc	eye ointment	0.50%
		132	tetracaine (hydrochloride)	drops	0.50%
		133	timolol (hydrogen maleate)	eye drops	0.25%, 0.5%
		134	boroglycerine	ear drops (only for wax removing)	40%
		135	polymyxin B sulphate + lignocaine	ear drops	each ml contains polymyxin B (sulphate):1000IU/ml; lignocaine:50mg/ml; 5ml plastic bottle
Y	ENT	136	ciprofloxacin	ear drops	0.30%
		137	ephedrine	nasal drops	0.5%
		138	lignocaine	topical solution	4%
		139	saline nasal drops	nasal drops	0.9%
		140	xylometazoline	nasal spray	0.05%
		141	amphotericin B	injection	50mg in vial
		142	sodium stibogluconate	injection	100mg/ml in 30ml vial
		Z	Anti-Leishmaniasis medicines		

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
AA	I/V infusions Plasma substitutes	143	plasma expander	infusion	dextran 6% w/v, glucose 5% w/v
		144	glucose/dextrose	infusion	5, 10%
		145	normal saline	ampule	25%
		146	dextrose + saline	infusion	0.9%
				infusion	5%, 10%
		147	Ringer's lactate	infusion	infusion, 1,000ml contains calcium chloride 0.2gm U.S.P.; potassium chloride 0.3gm U.S.P.; sodium chloride 6gm U.S.P.; sodium lactate 3.1gm U.S.P.; sterile water for injection 1,000ml (q.s.); 1,000ml collapsible plastic bottle
		147	potassium chloride	solution	11.2% in 20ml ampoule
		148	sodium bicarbonate	injection	1.4% isotonic
		149	mannitol	infusion	10% and 20% w/v (500ml)
		150	water for injection	ampule	5ml, 10ml
AB	Dermatologicals	151	benzyl benzoate	lotion	5%, 25%
		152	betamethasone	cream/ointment	0.1%
		153	calamine	lotion	15%
		154	coal tar	lotion	5%
		155	clotrimazole	topical cream	1% w/w
		156	hydrocortisone	cream	1%
		157	permethrin	cream/lotion	5% / 1%
		158	salicylic acid	solution	5%

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
		159	polymyxin B (sulphate) + bacitracin zinc	ointment	10,000 IU/g + 500 IU/g
		160	silver sulphadiazine †	cream	1%
		161	sodium thiosulphate	solution	15%
AC	Vitamins and minerals	162	ascorbic acid	tablet	50mg, 100mg, 500mg
		163	calcium gluconate	injection	100mg/ml in 10ml
		164	calcium lactate	tablet	500mg, 1gm
		165	ergocalciferol (vitamin D) ☐	tablet	1.25mg (50,000 IU)
		166	ferrous salt (fumarate)	tablet	equivalent to 60mg iron
		167	folic acid	syrup	equivalent to 25mg/ml iron
		168	ferrous salt + folic acid	tablet	0.5mg, 1mg, and 5mg
		169	vitamin K	tablet (DRAP approved)	tablet, equivalent to 60mg iron + 400 mcg folic acid
		170	hydroxocobalamin	injection	10mg
		171	multiple micronutrients	ampule	1mg in 1ml
		172	retinol (vitamin A)	sachet	
		173	zinc sulphate	tablet/ capsule	50,000 IU; 100,000 IU; 200,000 IU (as palmitate)
		174	B complex (B1, B6, and B12)	dispersible tablet	20mg
		175	multivitamins	tablet	
AD	Contraceptives	176	condoms		
		177	ethinyloestradiol ☐ + norethisterone ☐	combined oral pills	35mcg + 1mg
		178	levonorgestrel ☐	progesteron only pills	30mcg

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
		179	levonorgestrel	emergency contraceptive pills	750 mcg (pack of 2)
		180	copper T/multiload	IUCD	
		181	DMPA (medroxyprogesterone acetate)	injection	150mg / 1ml
		182	norethisterone enantate	injection	200mg/ml in 1ml
		183	estradiol cypionate + medroxyprogesterone acetate	injection	5mg + 25mg
		184	levonorgestrel-releasing implant	subdermal implant	2 rod 75mg each (use life: 5 years)
		185	etonogestrel-releasing implant	subdermal implant	1 rod 68mg each (use life: 3 years)
AE	Vaccines and sera	186	BCG vaccine		
		187	DPT vaccine		
		188	polio vaccine (OPV trivalent)/IPV	oral/ injection	
		189	hepatitis vaccine		
		190	measles vaccine		
		191	tetanus toxoid		
		192	pentavalent vaccine		
		193	pneumococcal vaccine		
		194	meningococcal vaccine		
		195	anti-rabies vaccine (PRVR)	single dose vial	
		196	anti-snake venom serum		
		197	anti D immunoglobulin (human)	single dose vial	250mg
		198	diphtheria antitoxin	vial	10,000 IU; 20,000 IU





Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
AF		199	tetanus immunoglobulin (human)	injection	500 IU in vial
		200	rabies immunoglobulin (human)	vial	150 IU/ml
	Medicines for mental and behavioral disorders	201	chlorpromazine (hydrochloride) 	injection	25mg in 2ml
		202	haloperidol	tablet	100mg 5mg
		203	alprazolam	tablet	0.5mg
		204	diazepam	tablet	2mg, 5mg 10mg
Tranquilizers	205	migril	injection		
	206	caafergot	tablet		
AG	Antiseptics/ disinfectants	207	povidone-iodine	solution	10% w/v
		250	halogenated sodium phosphate	powder	100gm
	Only chlorine-based compound in stable dry granular form	208	chlorhexidine + ceterimide	solution	1.5% w/v + 15% w/v
		209	acriflavine	cream	0.1% w/w
		210	tincture benzoin Co	Solution	7.5% w/v
	Antiseptics for cord care	211	chlorhexidine digluconate (7.1%) for cord care	solution, gel	equivalent to 4% chlorhexidine
		Disposable supplies	212	syringe (autodisable)	sterile packs
	213		disposable syringe	sterile packs	50cc
	214		IV sets (DRAP approved)	sterile packs	
	215	scalp vein set (DRAP approved)	sterile packs		

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
		216	volumetric chamber (IV burette)	sterile packs	100ml size
		217	IV canula (DRAP approved)	sterile packs	16G, 20G, 24G
		218	adhesive tape (hypoallergenic)	roll	1 inch, 2 inch
		219	sterile gauze dressing		7.5 x 7.5 cm (10 ply)
		220	cotton bandage	roll	6.5cm x 2m
		221	absorbent cotton wool	pack	500gm
		222	crepe bandage	roll	7.5, 10cm x 2.7m
		223	examination gloves	pairs	box of 100 (small, medium and large size) [1:2:1]
		224	sterile surgical gloves	pairs	6, 6½, 7, 7½, 8
		225	silk sutures sterile	12/pack	0, 1/0, 2/0, 3/0, 4/0
		226	chromic catgut sterile	sterile packs	0, 1/0, 2/0, 3/0, 4/0
		227	silk sutures sterile	12/pack	8/0, 10/0
		228	prolene/vicryl sterile sutures	sterile packs	0, 1/0, 2/0, 3/0, 4/0
		229	plaster of paris bandage	roll	10cm, 20cm x 6m
		230	face masks disposable		
		231	blood lancets	sterile packs	
		232	slides	sterile packs	
		233	endotracheal tube	sterile packs	set of 12
		234	nasogastric tube	sterile packs	adult/pads
		235	Foley catheter	sterile packs	all sizes
		236	urine bags	sterile packs	
		237	blood bags	sterile packs	
		238	disposable airways	sterile packs	all sizes

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		239	suction catheter	sterile packs	
		240	disposable cord clamps	sterile packs	
		241	spinal needle	sterile packs	
		242	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 undersheet (about one square meter) • 1 underpad 60 cm x 90 cm • 2 alcohol pads • 2 packs of sponges (4 sponges) • 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
			clean delivery kits	sterile packs	
AI	Radiocontrast media	243	amidotrizoate	injection	140mg to 420mg iodine/ml in 20ml
		244	barium sulfate	aqueous suspension	
		245	lohexol	injection	140mg to 350mg iodine/ml in 5ml; 10ml; 20ml ampoules

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	10mg/ml, 20mg/ml
B	Muscle relaxants	6	atracurium (besylate) 	injection	10mg/ml
		7	neostigmine (methylsulfate) (bromide)	injection	2.5mg in 1ml
		8	suxamethonium (chloride)	tablet	15mg
		9	bupivacaine (hydrochloride) 	ampoule	50mg/ml in 2ml
C	Anesthetics local	9	bupivacaine (hydrochloride) 	vial	0.25%, 0.5%
			injection for spinal anesthesia	ampoule	(5mg/ml) 0.5% in 4ml
		10	lidocaine (hydrochloride) 	vial	5% (hydrochloride) in 2ml 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
D	Analgesics Opioid/central acting	13	ephedrine (hydrochloride)	ampoule	30mg in 1ml
		14	morphine (sulphate or hydrochloride)	ampoule	10mg/1ml
		15	pethidine (hydrochloride)	ampule	50mg/ml in 2ml
			nalbuphine (HCl)	injection	10mg/ml, 20mg/ml

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
E	Analgesics/NSAIDs	16	midazolam	injection	1mg/ml
		17	acetylsalicylic acid	tablet	7.5mg
				dispersible tablet	300mg
				suppository	50mg to 150mg
				tablet	50mg
				ampule	75mg in 3ml
				gel	3% w/w
				tablet	250mg, 500mg
				tablet	7.5mg, 15mg
				tablet	200mg, 400mg
		gel	10% w/w		
		syrup	200mg/5ml		
		tablet	500mg		
		syrup	125mg/5ml		
		injection	150mg/ml		
		suppository	100mg		
F	Medicines to treat gout	23	allopurinol	tablet	100mg
G	Anti-Allergics and medicines used in anaphylaxis	24	chlorpheniramine (hydrogen maleate) [⊕] [⊖]	tablet	4mg
				injection	10mg/ml
				syrup [⊕]	2mg/5ml
				tablet	10mg
		25	cetirizine	syrup	5mg/5ml
		26	loratadine	tablet	10mg
				syrup	1mg/ml

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength		
H	ANTI-INFECTIVES Antibiotics/ antimicrobial	27	promethazine (HCl)	tablet	25mg		
				syrup	25mg/5ml		
				injection	25mg/ml in 2ml		
		28	dexamethasone (disodium phosphate)	injection	4mg/ml		
		29	epinephrine (adrenaline)	tablet	0.5mg		
		30	hydrocortisone (sodium succinate)	ampule	1mg /ml		
		31	prednisolone [⊖]	injection	100mg, 250mg		
				tablet	5mg		
				32	amoxicillin (trihydrate)	capsule/ tablet	250mg, 500mg
					(preferably dispersible tablet)	powder for suspension [⊕]	125mg, 250mg /5ml
				injection	250mg, 500mg		
		33	ampicillin (sodium)	capsule	250mg, 500mg		
				powder for suspension [⊕]	125mg, 250mg/5ml		
				injection	500mg and 1g		
		34	amikacin (sulfate)	injection	500mg, 1gm		
		35	azithromycin [⊖]	capsule	250mg, 500mg		
				suspension	125mg/5ml in 22.5ml		
		36	amoxicillin + clavulanic acid	tablet	375mg		
				injection	1gm		
		37	benzathine penicillin	injection [⊕]	0.6m IU, 1.2 m IU		
		38	cloxacillin	capsule	250mg, 500mg		
				powder for suspension [⊕]	125mg, 250mg/5ml		

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
	Only listed for single-dose treatment of uncomplicated anogenital gonorrhea	39	cefixime* (trihydrate)	capsule	400mg
		40	ceftriaxone (sodium) †	syrup	100mg, 200mg/5ml
	Only for epidemic meningitis	41	chloramphenicol (palmitate)	powder for injection	250mg, 500mg, 1gm
		42	(sodium succinate)	capsule	250mg
	Recommended for use in combination regimens for eradication of <i>H. pylori</i> in adults	42	ciprofloxacin (hydrochloride) ☐	syrup	125mg/5ml
		43	clarithromycin*	injection	1gm
		44	tablets	250mg, 500mg	
		44	ciprofloxacin (hydrochloride) (phosphate)	injection	500mg/100ml
		45	tablets	500mg	
		45	co-trimoxazole † (sulfamethoxazole + rimethoprim)	capsule	150mg, 300mg
		46	tablets	150mg/ml	
		46	co-trimoxazole † (sulfamethoxazole + rimethoprim)	capsule	400mg + 80mg
		47	tablets	200mg + 40mg/5ml	
	for multidrug-resistance (MDR) tuberculosis (TB)	47	doxycycline (hydrate) †	capsule ☐	100mg
		48	syrup ☐	25mg/5ml	
		47	flucloxacillin [floxacin sodium]	injection	250mg, 500mg
		48	capsules	250mg, 500mg	
		49	gentamicin (sulfate) ☐	injection	40mg, 80mg
		50	kanamycin (sulfate)	injection	500mg, 1gm
		50	levofloxacin	tablet	250mg, 500mg
		51	metronidazole ☐	injection	500mg
		51	metronidazole ☐	tablet	200mg, 400mg
				injection	500mg in 100ml

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength	
		52	(benzoate)	syrup	200mg/5ml	
		52	nitrofurantoin	tablet	100mg	
		53	procaine benzylpenicillin	injection	1m IU, 3 m IU	
		54	phenoxymethylpenicillin (potassium)	tablet	250mg, 500mg	
		55	syrup	125mg/5ml		
		55	vancomycin (HCl)	injection	500mg	
		Antidotes and other substances used in poisonings	56	atropine (sulfate) †	ampule	1mg in 1ml
			57	charcoal activated	powder	
			58	methylthionium chloride (methylene blue)	ampule	10mg/ml in 10ml
	Anti-Epileptics Anticonvulsants For eclampsia only	59	naloxone (hydrochloride)	ampule	400 mcg in 1ml	
		60	carbamazepine	tablet	200mg	
		61	magnesium sulphate	syrup	100mg/5ml	
		62	phenobarbital (sodium)	injection	500mg/ml	
		62	tablets	30mg		
		63	injections	200mg/ml		
		63	valproic acid (sodium valproate)	injection	200mg/5ml	
		64	tablets	200mg, 500mg		
	Anti-Helminthic	64	phenytoin (sodium)	tablet	100mg	
		65	albendazole	syrup	30mg/5ml	
		65	tablets	200mg		
		66	mebendazole (chewable)	syrup	100mg/5ml	
		67	pyrantel (pamoate)	tablet	500mg (with caution—only for adults)	
			tablet	250mg		
			syrup	250mg/5ml		

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
L	Anti-Fungal	68	clotrimazole	vaginal cream	1% w/v
		69	fluconazole [Ⓜ]	vaginal tablet capsule injection syrup	100mg, 500mg 50mg 2mg/ml 50mg/5ml
		70	nystatin	tablet drops [Ⓞ] pessary	500,000 IU 100,000 IU/ml 100,000 IU
		71	ethambutol	tablet	400mg
		72	isoniazid	oral liquid [Ⓞ] tablet/syrup [Ⓞ]	25mg/ml 50mg, 100mg, 300mg
		73	pyrazinamide	tablet	500mg
		74	rifampicin	capsules/syrup [Ⓞ]	150mg, 300mg, 450mg, 600mg
		75	streptomycin	injection	1gm
		76	ethambutol + isoniazid	tablet	400mg + 150mg
		77	isoniazid + rifampicin	tablet	75mg + 150mg; 150mg + 300mg
78	isoniazid + pyrazinamide + rifampicin	tablet	75mg + 400mg + 150mg		
79	rifampicin + isoniazid +	tablet			
80	ethambutol + isoniazid + rifampicin	tablet	275mg + 75mg + 150mg		
N	Anti-Herpes medicines	81	aciclovir [Ⓜ]	tablet	200mg
O	Anti-Leishmaniasis medicines	82	amphotericin b	injection	50mg in vial
		83	sodium stibogluconate	injection	100mg/ml in 30ml vial
P	Anti-Diabetics	84	glibenclamide	tablet	5mg






Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
Q	Antimalarial	85	glimepiride	tablet	1mg, 2mg, 3mg
		86	metformin (hydrochloride)	tablet	500mg
		87	insulin regular	injection	100 IU/ml
		88	insulin comp	injection	30% + 70% w/v
		89	chloroquine (phosphate or sulfate)	tablet	150mg
		90	quinine	syrup tablet	50mg/5ml 300mg
		91	primaquine (diphosphate)	injection	300mg/ml
		92	sulphadoxine + pyrimethamine	tablet	15mg 500mg + 25mg
		93	artesunate + sulphadoxine + pyrimethamine	tablet	co-blister of (6 + 2) tablet—two large tablets, each has sulfadoxine 500mg U.S.P. + pyrimethamine 25mg U.S.P.—six small tablets ,each contains artesunate 50mg U.S.P.
		94	artemether*	co-blister of (6 + 3) tablet—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.	ampule
R	Management of severe malaria	95	artemether + lumefantrine*	tablet [Ⓞ]	20mg + 120mg
		96	hyoscine (butylbromide)	injection tablet	20mg/ml 10mg
		97	phloroglucinol	tablet	phloroglucinol 80mg + trimethylphloroglucinol 80mg






Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
		98	metoclopramide (hydrochloride) †	tablets	10mg
		99	omeprazole	syrup	5mg/5ml
				injection	5mg/ml
		100	ranitidine	capsules	10mg, 20mg, 40mg
				injection	25mg/ml in 2ml
		101	aluminium hydroxide + magnesium trisilicate	tablets	150mg, 250mg
				tablets	250mg + 500mg
	Recommended in combination with zinc sulphate 20mg dispersible tablet in case of acute diarrhoea	102	ORS (low osmolality)	sachet	Dry mixture (low osmolality formula) in sachet for 1 liter of solution, each sachet contains glucose anhydrous 13.5gm B.P., trisodium citrate dihydrate 2.9gm B.P., potassium chloride 1.5gm B.P., sodium chloride 2.6gm B.P.
		103	sodium phosphate	enema	7.2g /120ml
		104	lactulose	syrup	3.35g/5ml in 120ml
		105	bisacodyl	tablet	5mg
		106	glycerin	suppository	
		107	magnesium oxide and hydroxide	suspension	7.9% w/v
S	Antivirals for hepatitis	108	interferon alpha 2b	injection	3 million international units (MIU)
		109	ribavirine	tablet	200mg, 400mg, 600mg
		110	lamivudine	tablet	150mg
T	Cardiovascular medicines	111	acetylsalicylic acid	tablet	100mg
		112	bisoprolol	tablet	1.25mg, 5mg

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
		113	digoxin	tablet	62.5mcg, 250mcg
				injection	250mcg/ml in 2ml
		114	dopamine (hydrochloride)	injection	40mg/ml in 5ml vial
		115	dobutamine (hydrochloride)	injection	50mg/ml in 5ml
		116	enalapril (maleate)	tablet	2.5mg, 5mg
		117	glyceryl trinitrate	sublingual	500 mcg
	For severe PIH only	118	hydralazine (hydrochloride)	injection	20mg
				tablet	25mg, 50mg
		119	isosorbide dinitrate	sublingual	5mg
	For severe PIH only	120	methyl dopa	tablet	250mg, 500mg
				injection	250mg
		121	losartan	tablet	25mg, 50mg, 100mg
		122	propranolol (HCl)	tablet/caps	10mg, 40mg, 80mg
		123	streptokinase	powder for injection	1.5 million IU
		124	simvastatin	tablet	5mg, 10mg, 20mg, 40mg
		125	verapamil (hydrochloride)	tablet	40mg, 80mg
U	Diuretics	126	furosemide	tablet	20mg, 40mg
				injection	10mg
		127	hydrochlorothiazide	tablet	12.5mg, 25mg
		128	spironolactone	tablet	25mg
V	Medicines affecting coagulation	129	heparin (sodium)	injection	1,000, 5,000, 20,000 IU/ml
		130	tranexamic acid	injection	100mg/ml in 10ml
				capsule	250mg, 500mg
		131	clopidogrel	tablet	75mg, 150mg, 300mg
		132	warfarin (sodium)	tablet	1mg, 2mg, 5mg

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
W	Oxytocic medicines	133	ergometrine (hydrogen maleate)	injection	200mcg in 1ml
		134	misoprostol	tablet	200mcg
		135	oxytocin	injection	10 IU in 1ml
X	Respiratory medicines	136	aminophylline	injection	25mg/ml in 10ml
		137	beclomethasone (dipropionate)	tablet	100mg
				inhaler	50mcg per dose
				tablet	2mg, 4mg
				inhaler	100mcg per dose
				solution for nebulizer	5mg /ml
Y	Ophthalmic	138	salbutamol (sulfate)	injection	50mcg in 5ml
		139	ammonium chloride + chloroform + menthol + diphenhydramine + sodium citrate	antitussive expectorant	131.5mg/5ml + 22mg/5ml + 1mg/5ml + 13.5mg/5ml + 55mg/5ml
		140	dextromethorphan + diphenhydramine	antitussive syrup	12.5mg/5ml + 12.5mg/5ml
		141	dexamethasone	eye drops	0.1% w/v
		142	gentamicin (sulfate)	eye drops	0.30%
		143	tropicamide	eye drops	1% w/v
		144	pilocarpine (hydrochloride or nitrate)	eye drops	2%, 4%
		145	ciprofloxacin	eye drops	
		146	polymyxin B (sulphate) + bacitracin zinc	eye ointment	10,000IU/g + 500IU/g

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
Z	ENT	147	tetracycline (hydrochloride)	eye ointment	1%
				eye drops	0.50%
		148	tetracaine (hydrochloride) +	drops	0.50%
		149	timolol (hydrogen maleate)	eye drops	0.25%, 0.5%
		150	boroglycerine	ear drops (only for wax removing)	40%
		151	polymyxin B sulphate + lignocaine	ear drops	each ml contains polymyxin B (sulphate):1000IU/ml,Lignocaine:50mg/ml]; 5ml plastic bottle
		152	ciprofloxacin	ear drops	0.30%
		153	ephedrine	nasal drops	0.5%
		154	lignocaine	topical solution	4%
		155	saline nasal drops	nasal drops	0.9%
AA	I/V Infusions Plasma substitutes	156	xylometazoline +	nasal spray	0.05%
		157	plasma expander	infusion	dextran 6% w/v, glucose 5% w/v
		158	glucose/dextrose	infusion	5%, 10%
				ampule	25%
		159	normal saline	infusion	0.9%
		160	dextrose + saline	infusion	5% + 0.9% w/v
		161	Ringer's lactate	infusion	infusion 1,000ml contains calcium chloride 0.2gm U.S.P.; potassium chloride 0.3gm U.S.P.; sodium chloride 6gm U.S.P.; 3.1 gm sodium lactate U.S.P., sterile water for injection
		162	potassium chloride	solution	11.2% in 20ml ampoule

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		163	sodium bicarbonate	injection	1.4% isotonic
		164	mannitol	infusion	20% w/v
		165	water for injection	ampule	5ml, 10ml
AB	Vitamins and minerals	166	ascorbic acid	tablet	50mg, 100mg, 500mg
		167	calcium gluconate	injection	100mg/ml in 10ml
		168	calcium lactate	tablet	500mg, 1gm
		169	ergocalciferol (vitamin D) 	tablet	1.25mg (50,000 IU)
		170	ferrous salt	tablet	equivalent to 60mg iron
				syrup	equivalent to 25mg/ml iron
		171	folic acid	tablet	0.5mg, 1mg, 5mg
		172	ferrous salt + folic acid	tablet	tablet, equivalent to 60mg iron + 400mcg folic acid
		173	vitamin K	injection	10mg
		174	hydroxocobalamin	ampule	1mg in 1ml
	175	multiple micronutrients	sachet		
	176	retinol (vitamin A)	tablet/ capsule	50,000 IU; 100,000 IU; 200,000 IU (as palmitate)	
	Acute diarrhea	177	zinc sulphate	dispersible tablet	20mg
		178	B complex (B1, B6, and B12)	tablet	
		179	multivitamins	tablet	
AC	Dermatologicals	180	 benzyl benzoate \star	lotion	5%, 25%
		181	 betamethasone \star	cream/ointment	0.1%
		182	 calamine	lotion	15%
		183	coaltar	lotion	5%
		184	 hydrocortisone	cream	1%

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		185	permethrin	cream/lotion	5%, 1%
		186	salicylic acid	solution	5%
		187	selenium sulfide	detergent-based suspension	2%
		188	polymyxin B (sulphate) + bacitracin zinc	ointment	10,000 IU/g + 500 IU/g
		189	silver sulphadiazine \star	cream	1%
		190	sodium thiosulphate	solution	15%
AD	Medicines for mental and behavioral disorders Tranquilizers	191	amitriptyline (hydrochloride)	tablet	25mg
		192	carbamazepine	tablet	100mg, 200mg
		193	 chlorpromazine (hydrochloride)	injection	25mg in 2ml
				tablet	100mg
		194	clomipramine (hydrochloride)	tablet	10mg, 25mg
		195	olanzapine	tablet	5mg, 7mg, 5mg
		196	risperidone	tablet	1mg, 2mg, 3mg
		197	fluoxetine (hydrochloride) \star 	tablet	20mg
		198	 fluphenazine (decanoate or enantate)	tablet	25mg
		199	diazepam	tablet	2mg, 5mg
	200	alprazolam	injection	10mg	
	201	bromazepam	tablet	0.5mg	
	202	condoms	tablet	3mg	
AE	Contraceptives	203	ethinylestradiol  + norethisterone 	CO pills	35mcg + 1mg

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		204	levonorgestrel	PO pills	30mcg
		205	levonorgestrel	EC pills	750mcg (pack of 2)
		206	copper T/multiload	IUCD	
		207	medroxyprogesterone acetate (DMPA)	injection	150mg/ml
		208	norethisterone enantate	injection	200mg/ml in 1ml
		209	estradiol cypionate + medroxy-progesterone acetate medroxyprogesterone acetate medroxyprogesterone acetate	injection	5mg + 25mg
		210	levonorgestrel-releasing implant	subdermal implant	2 rod 75mg each (use life: 5 years)
		211	etonogestrel-releasing implant	subdermal implant	1 rod 68mg each (use life: 3 years)
AF	Vaccines and sera	212	BCG vaccine		
		213	DPT vaccine		
		214	polio vaccine (OPV trivalent)/ IPV	oral/ injection	
		215	hepatitis vaccine		WHO-approved/as per national EPI program
		216	measles vaccine		
		217	tetanus toxoid		
		218	pentavalent vaccine		
		219	pneumococcal vaccine		
		220	meningococcal vaccine		
		221	anti-rabies vaccine (PVRV)	single-dose vial	>2.5 IU
		222	anti-snake venom serum		

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		223	anti-D immunoglobulin (human)	single-dose vial	250 micrograms
		224	diphtheria antitoxin	vial	10,000 IU; 20 000 IU
		225	tetanus immunoglobulin (human)	injection	500 IU in vial
		226	rabies immunoglobulin (human)	vial	150 IU/ml
AG	Peritoneal dialysis solutions	227	intra-peritoneal dialysis solution	parenteral solution	of appropriate composition
AH	Immunosuppressives	228	azathioprine (as sodium salt)	tablet	50mg
		229	ciclosporin	injection	100mg in vial
AI	Anti-Parkinson's	230	biperiden	capsule	25mg
		230	biperiden	injection	5mg (lactate) in 1ml
		231	levodopa + carbidopa	tablet	2mg (hydrochloride)
	Thyroid/ anti-thyroid	232	levothyroxine	tablet	100mg + 10mg; 250mg + 25mg
		233	propylthiouracil	tablet	50mcg, 100 mcg
AJ	Antiseptics /disinfectants	234	povidone-iodine	tablet	50mg
		234	povidone-iodine	solution	10% w/v
		235	chlorhexidine + ceterimide	solution	1.5% w/v + 15% w/v
	Only chlorine based compound in stable dry granular form	236	halogenated sodium phosphate	powder	100gms
	Antiseptics for cord care	237	tincture benzoin compound	solution	7.5% w/v
		238	chlorhexidine digluconate (7.1% for cord care)	solution, gel	equivalent to 4% chlorhexidine
AK	Disposable supplies	239	syringe (autoclavable)	sterile packs	1cc, 5cc
		240	disposable syringe	sterile packs	50 cc

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		241	IV sets (DRAP approved)	sterile packs	
		242	scalp vein set (DRAP approved)	sterile packs	
		243	volumetric chamber (IV burette)	sterile packs	100ml
		244	IV canula (DRAP approved)	sterile packs	16G, 20G, 24G
		245	adhesive tape (hypoallergenic)	roll	1 inch, 2 inch
		246	sterile gauze dressing		7.5 x 7.5 cm (10 ply)
		247	cotton bandage	roll	6.5 cm x 2m
		248	absorbent cotton wool	pack	500gm
		249	crepe bandage	roll	7.5, 10 cm x 2.7m
		250	examination gloves	pair	box of 100 (small, medium, and large) [1:2:1]
		251	sterile surgical gloves	pair	6, 6½, 7, 7½, 8
		251	silk sutures sterile	12/pack	0, 1/0, 2/0, 3/0, 4/0
		252	chromic catgut sterile	sterile packs	0, 1/0, 2/0, 3/0, 4/0
		253	silk sutures sterile	12/pack	8/0, 10/0
		254	prolene/vicryl sterile sutures	sterile packs	0, 1/0, 2/0, 3/0, 4/0
		255	plaster of paris bandage	roll	10 cm, 20 cm x 6 m
		256	face masks disposable		
		257	blood lancets	sterile packs	
		258	slides	sterile packs	
		259	endotracheal tube	sterile packs	Set of 12
		260	nasogastric tube	sterile packs	adult/pads
		261	Foley catheter	sterile packs	all sizes
		262	urine bags	sterile packs	

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		263	blood bags	sterile packs	
		264	disposable airways	sterile packs	all sizes
		265	suction catheter	sterile packs	
		266	disposable cord clamps	sterile packs	
		267	spinal needle	sterile packs	
		268	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 undersheet (about one square meter) 1 underpad 60 cm x 90 cm 2 alcohol pads 2 packs of sponges (4 sponges) 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
		269	clean delivery kits	sterile packs	
AL	Radio contrast media	270	amidotrizoate	injection	140mg to 420mg iodine/ml in 20ml
		271	barium sulfate	aqueous suspension	



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