

ESSENTIAL MEDICINES LIST

Department of Health Government of Sindh



ESSENTIAL
MEDICINES LIST

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Abstract

The Department of Health, Government of Sindh, 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 Sindh, 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

MSW	male sex worker
NCD	non-communicable disease
NEML	National Essential Medicines List
PIH	pregnancy induced hypertension
PVRV	purified vero cell rabies vaccine
SPPR	Sindh 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; providing essential medicines is one of the essential components of primary healthcare. A standardized essential medicines list can meet end users' requirements and can help rationalize the purchase and distribution of medicines; thereby, reducing the costs of healthcare.

The World Health Organization (WHO) defines essential medicines as *"those that satisfy the priority health care needs of the population."* Medicines should be available within the context of a functioning health system at all times, in adequate amounts, in appropriate dosages, with assured quality, and at a price the individual and community can afford.

Before 2011, the Federal Ministry of Health was responsible for developing and updating the country's Essential Medicines Lists (EMLs), while the provinces maintained 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, the Department of Health, Government of Sindh, acknowledged that segregated lists of essential medicines should be available for each facility level.

The Department of Health, Government of Sindh, 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 Sindh, 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. For implementation, the EMLs have been distributed to all stakeholders, up to the district level.

The Department of Health will convene a provincial committee in Sindh with a proportional representation of health and medical professionals. This committee will review and update the EMLs regularly, based on the end users' requirements; an updated version will be available at http://www.sindhhealth.gov.pk.

I would like to express my gratitude to USAID/Pakistan for providing support through the project to develop province-specific standard EMLs for Sindh. I am also grateful to WHO/Pakistan for extending their technical support and their assistance in completing the EMLs. Their concurrent support will help ensure transparency and value for money in procurement, enhance the performance of health professionals, and ensure the availability of quality medicines for the people of Sindh.



Mr. Inamullah Dharejo
Secretary
Department of Health
Government of Sindh



ACKNOWLEDGMENT

The Essential Medicines List (EMLs) have been developed for primary- and secondary-level healthcare facilities of the Department of Health (DOH), Government of Sindh, 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 Sindh have also contributed and provided valuable input 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 Sindh.

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

We also wish to express our appreciation to Dr. Muhammad Tariq, Country Director, USAID | DELIVER PROJECT in 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.

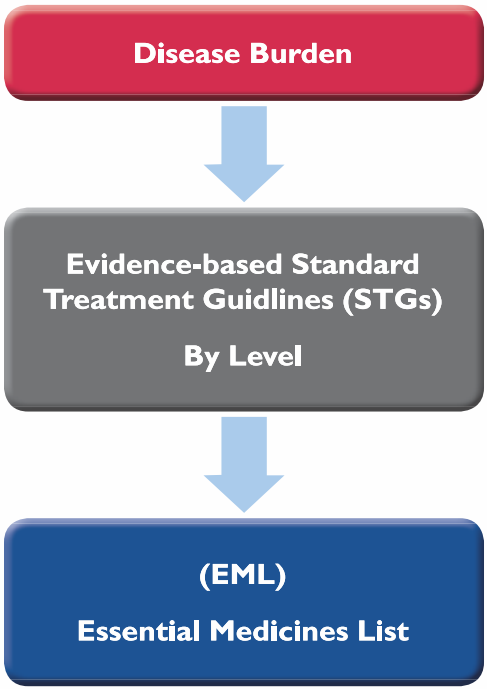
WHAT ARE ESSENTIAL MEDICINES?

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.

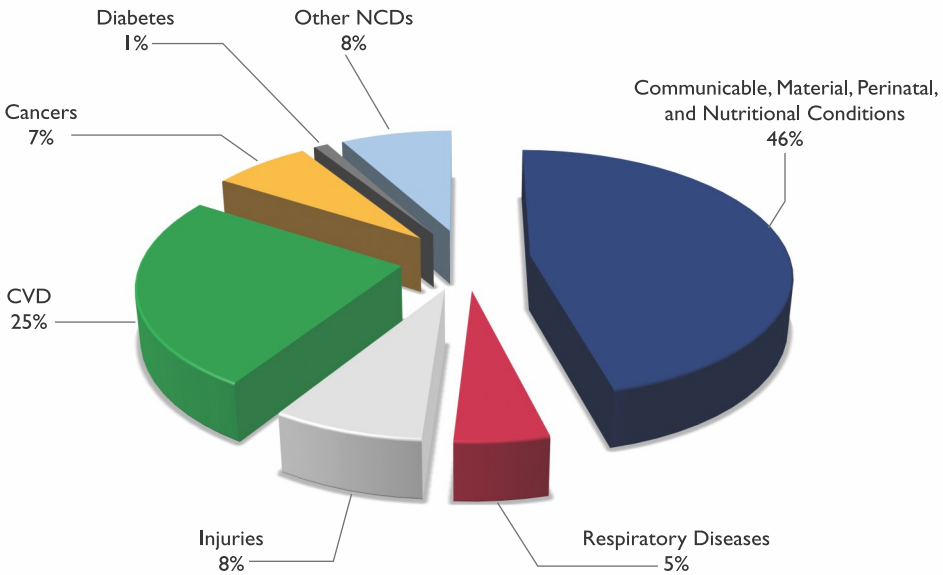
WHO discourages using the term Essential Drugs Lists (EDL) because the word Drugs is also commonly used for narcotics and other stimulant drugs. Therefore, WHO recommends using the title Essential Medicines List (EML).

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



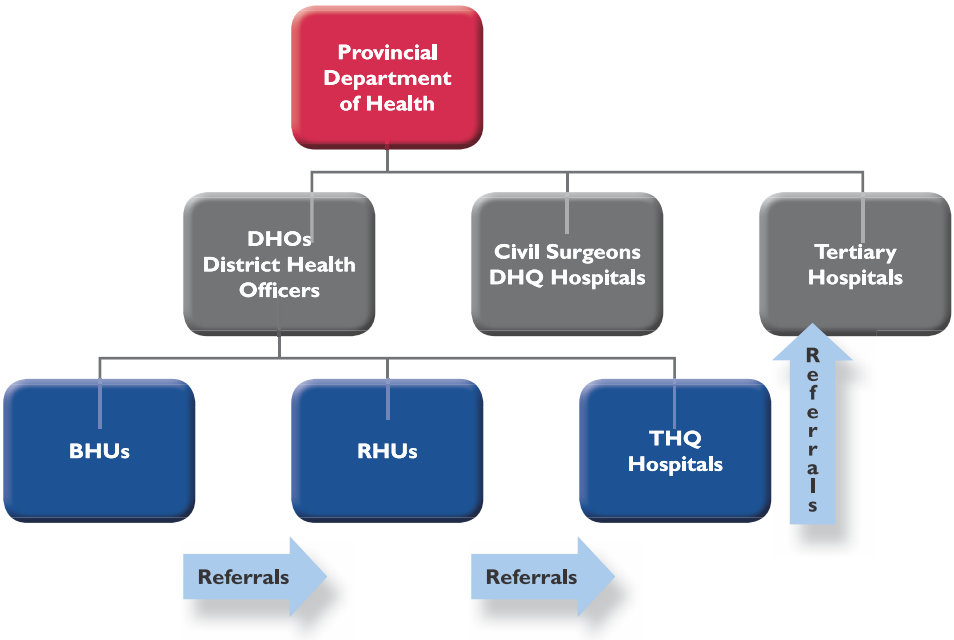
ACTIVITIES AND PROCESS ADOPTED TO DEVELOP EMLS

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

BHUs

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
	ANTI-INFECTIVES				
D	**Antibiotics/ antimicrobials**	12	amoxicillin (trihydrate) (preferably dispersible tablet)	capsule/ tablet	250mg, 500mg
				syrup©	125mg, 250mg/5ml
				injection	250mg, 500mg
		13	ampicillin (as sodium salt)	injection	500mg and 1g
		14	ciprofloxacin (hydrochloride)▣	tablet	250mg, 500mg
		15	cotrimoxazole✧ (sulfamethoxazole + trimethoprim)	tablet©	400mg + 80mg
				syrup©	200mg + 40mg/5ml
		16	▣ metronidazole (benzoate)	tablet	200mg, 400mg
				syrup	200mg/5ml
E	**Anti-Helminthic**	17	mebendazole (chewable)	tablet	500mg (with caution, only for adults)
				syrup	100mg/5ml
F	**Anti-Fungal**	18	nystatin	tablet	500,000 IU
				drops©	100,000 IU/ml
				pessary	100 000 IU
		19	clotrimazole	vaginal cream	1%
				vaginal tablet	100mg and 500mg
G	**Anti-Tuberculosis medicines** *As per TB control program guidelines*	20	ethambutol	tablet	400mg
				oral liquid©	25mg/ml
		21	isoniazid	tablet/syrup©	50mg, 100mg, 300mg
		22	pyrazinamide	tablet	500mg
		23	rifampicin	capsule/syrup©	150mg, 300mg, 450mg, 600mg
		24	streptomycin	injection	1gm

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		25	ethambutol + isoniazid	tablet	400mg + 150mg
		26	isoniazid + rifampicin	tablet	75mg + 150mg; 150mg + 300mg
		27	isoniazid + pyrazinamide + rifampicin	tablet	75mg + 400mg + 150mg
		28	rifampicin + isoniazid + pyrazinamide + ethambutol	tablet	150mg + 75mg + 400mg + 275mg
		29	ethambutol + isoniazid + rifampicin	tablet	275mg + 75mg + 150mg
H	**Antimalarial** *For vivax* *For falciparum* *To be used in combination (co-blister)*	30	chloroquine (phosphate or sulfate)	tablet	150mg
		31	primaquine (diphosphate)	tablet	15mg
		32	artesunate + sulfadoxine and pyrimethamine	tablet	co-blister 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.
			artesunate + sulfadoxine and pyrimethamine	tablet	co-blister 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.
		33	artesunate	tablet	50mg
I	**Anti-Diabetics**	34	glibenclamide	tablet	5mg
		35	metformin (hydrochloride)	tablet	500mg
		36	insulin regular	injection	100 IU/ml
		37	insulin comp	injection	30% + 70% w/v

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
J	**Cardiovascular medicines**	38	furosemide ◘	tablet	20mg, 40mg
				injection	10mg
		39	glyceryl trinitrate	sublingual	500mcg
		40	methyldopa	tablet	250mg
		41	enalapril (maleate)	tablet	5mg, 10mg
K	**Gastrointestinal (GIT) medicines**	42	hyoscine (butylbromide)	injection	20mg/ml
				tablets	10mg
		43	phloroglucinol	tablets	phloroglucinol 80mg + trimethylphloroglucinol 80mg
		44	metoclopramide (hydrochloride) ✧	tablets	10mg
				syrup	5mg/5ml
				injection	5mg/ml
		45	omeprazole ◘	capsules	10mg, 20mg, 40mg
		46	ranitidine	injection	25mg/ml in 2ml
		47	aluminium hydroxide + magnesium trisilicate	tablets	250mg + 500mg
	Recommended in combination with zinc sulphate 20mg dispersible tablet for acute diarrhea	48	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 chloride1.5gm B.P., sodium chloride 2.6gm B.P.
		49	glycerin	suppository	
L	**Respiratory medicines**	50	salbutamol (sulfate) ◘	tablet	2 and 4mg
				solution	5mg/ml for nebulizer
		51	aminophylline	injection	25mg/ml

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
M	**Miscellaneous**	52	atropine (sulfate)✧	ampule	1mg in 1ml
		53	charcoal activated	powder	
		54	diazepam	injection	10mg
				gel or rectal solutions	5mg/ml in 0.5ml; 2ml; 4-ml
	For eclempsia only	55	magnesium sulphate	injection	500mg/ml
		56	naloxone (hydrochloride)	injection	400mcg in 1ml
		57	oxygen concentrator/cylinder		
N	**Ophthalmic/ENT**	58	boroglycerine	ear drops (only for wax removing)	40%
		59	polymyxin B sulphate + lignocaine	ear drops	each ml contains polymyxin B (sulphate):10000IU/ml,Lignocaine:50mg/ml]; 5ml plastic bottle
		60	chloramphenicol	eye drops	1% w/v, 0.5% w/v
		61	gentamicin (sulfate)	eye drops	0.30%
		62	polymyxin B (sulphate) + bacitracin zinc	eye ointment	10,000 IU/g + 500 IU/g
O	**I/V infusions**	63	dextrose + saline	infusion	5% + 0.9% w/v
	Plasma substitutes	64	glucose/dextrose	infusion	5%,10%
		65	normal saline	infusion	0.9%
		66	Ringer lactate	infusion	infusion1,000ml 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
		67	water for injection	ampule	5ml and 10ml

BHUs

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
P	**Vitamins and minerals** *Micronutrients*	68	ascorbic acid	tablet	50mg, 100mg, 500mg
		69	calcium gluconate	injection	100mg/ml in 10 ml
		70	calcium lactate	tablet	500mg, 1gm
		71	ergocalciferol (vitamin D)▣	tablet	1.25mg (50,000 IU)
		72	ferrous salt (fumerate)	tablet	equivalent to 60mg iron
				syrup	equivalent to 25mg/ml iron
		73	folic acid	tablet	0.5mg, 1mg, and 5mg
		74	ferrous salt + folic acid	tablet (DRAP approved)	tablet, equivalent to 60mg iron + 400mcg folic acid
		75	multiple micronutrients	sachet	UNICEF approved
		76	retinol (vitamin A)	tablet/ capsule	50,000 IU; 100,000 IU; 200,000 IU (as palmitate)
		77	zinc sulphate	dispersible tablet	20mg
		78	B complex	tablet	DRAP approved
		79	multivitamins	tablet	DRAP approved
Q	**Dermatologicals**	80	benzyl benzoate✧ ▣	lotion	5%, 25%
		81	calamine▣	lotion	15%
		82	hydrocortisone▣	cream	1%
		83	polymyxin B (sulphate) + bacitracin zinc	ointment	10,000 IU/g + 500IU/g
		84	silver sulphadiazine✧	cream	1%
R	**Oxytocic medicines**	85	ergometrine (hydrogen maleate)▣	injection	200mcg in 1ml
		86	misoprostol	tablet	200mcg
		87	oxytocin	injection	10 IU in 1-ml

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
S	**Contraceptives**	88	condoms		
		89	ethynylestradiol ▣ + norethisterone ▣	CO pills	35mcg + 1mg
		90	levonorgestrel ▣	PO pills	30mcg
		91	copper T/multiload	IUCD	
		92	medroxyprogesterone acetate (DMPA)	injection	150mg / 1ml
		93	norethisterone enantate	injection	200mg/ml in 1ml
T	**Vaccines and sera**	94	BCG vaccine		WHO-approved/as per national EPI program
		95	hepatitis B vaccine		
		96	measles vaccine		
		97	polio vaccine (OPV trivalent)/IPV	oral/ injection	
		98	pentavalent vaccine		
		99	pneumococcal vaccine		
		100	tetanus toxoid		
		101	anti-rabies vaccine (PVRV)	single-dose vial	
		102	anti-snake venom serum		
U	**Antiseptics/ disinfectants** *Only chlorine-based compound in stable dry granular form*	103	povidone-iodine	solution	10% w/v
		104	halogenated natrium phosphate	powder	100gms
		105	chlorine-base compound	powder	(0.1% available chlorine) for solution
		106	chlorhexidine + ceterimide	solution	1.5% w/v + 15% w/v
	Antiseptics for cord care	107	chlorhexidine digluconate (7.1%) for cord care	gel	equivalent to 4% chlorhexidine

BHUs

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
V	**Disposable supplies**	108	syringe (autodisable)	sterile packs	1cc and 5cc
		109	IV sets (DRAP approved)	sterile packs	
		110	IV canula (DRAP approved)	sterile packs	16G, 20G, 24G
		111	adhesive tape (hypoallergenic)	roll	1 inch, 2 inch
		112	surgical gauze		32 pix, 40 M
		113	cotton bandage	roll	6.5cm x 2m
		114	absorbent cotton wool	pack	500gm
		115	examination gloves	pairs	box of 100 (small, medium, and large) [1:2:1]
		116	sterile surgical gloves	pairs	7, 7½
		117	silk sutures	sterile packs	0, 1/0, 2/0, 3/0, 4/0
		118	face masks disposable		
		119	blood lancets	sterile packs	
		120	slides		

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		121	clean delivery kits	sterile packs	• 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

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	lidocaine (hydrochloride)◙	vial/ampoule	5% (hydrochloride) in 2 ml ampoule to be mixed with 7.5% glucose solution
				topical forms	2% gel, 4% solution
		2	lignocaine + epinephrine (adrenaline)	injection	2% + 1:200 000
		3	lignocaine + epinephrine (adrenaline)	dental cartridge	2% + 1:80 000
B	**Analgesics opioid**	4	morphine (sulphate or hydrochloride)	ampoule	10mg/1ml
		5	pethidine (hydrochloride)	ampule	50mg/ml in 2ml
C	**Analgesics/NSAIDs**	6	acetylsalicylic acid (dispersible)	tablet	300mg
		7	mefenamic acid	tablet	250mg
				suspension	50mg/5ml
		8	diclofenac (sodium)	tablet	50mg
				ampule	75mg in 3ml
		9	ibuprofen✧	tablet	200mg, 400mg
				syrup	200mg/5ml
		10	paracetamol	tablet	500mg
				injection	150mg/ml
				syrup	125mg/5ml
				suppository	100mg
D	**Anti-Allergics and medicines used in anaphylaxis**	11	◙chlorpheniramine (hydrogen maleate)✧	tablet	4mg
				injection	10mg/ml
				syrup©	2mg/5ml

RHCs

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

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

RHCs

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
		40	gentamicin (sulfate)▣	injection	40mg, 80mg
		41	metronidazole▣ (benzoate)	tablet	200mg, 400mg
				syrup	200mg/5ml
				infusion	5mg/ml in 100ml
		42	nitrofurantoin	tablet	100mg
		43	procaine benzylpenicillin	injection	1 m IU ; 3 m IU
		44	phenoxymethy/penicillin (potassium)	tablet	250mg, 500mg
				syrup	125mg/5ml
J	**Anti-Tuberculosis medicines** *As per TB control program guidelines*	45	ethambutol	tablet	400mg
				oral liquid©	25mg/ml
		46	isoniazid	tablet/syrup©	50mg, 100mg, 300mg
		47	pyrazinamide	tablet	500mg
		48	rifampicin	capsule/syrup©	150mg, 300mg, 450mg, 600mg
		49	streptomycin	injection	1gm
		50	ethambutol + isoniazid	tablet	400mg + 150mg
		51	isoniazid + rifampicin	tablet	75mg + 150mg; 150mg + 300mg
		52	isoniazid + pyrazinamide + rifampicin	tablet	75mg + 400mg + 150mg
		53	rifampicin + isoniazid + pyrazinamide + ethambutol	tablet	150mg + 75mg + 400mg + 275mg
		54	ethambutol + isoniazid + rifampicin	tablet	275mg + 75mg + 150mg
K	**Anti-Diabetics**	55	glibenclamide	tablet	5mg
		56	metformin (hydrochloride)	tablet	500mg
		57	insulin regular	injection	100 IU/ml

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
		58	insulin comp	injection	30% + 70% w/v
L	**Antimalarial** *For Vivax* *For falciparum* *To be used in combination (co-blister)* *Management of severe malaria*	59	chloroquine (phosphate or sulfate)	tablet	150mg
		60	primaquine (diphosphate)	tablet	15mg
		61	sulfadoxine + pyrimethamine co-blister/combined therapy	tablet	500mg + 25mg
		62	artesunate + sulfadoxine 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.
			artesunate + sulfadoxine 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.
		63	artemether	injection	40mg/ml
M	**GIT medicines**	64	hyoscine (butylbromide)	injection	20mg/ml
				tablet	10mg
		65	phloroglucinol	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

RHCs

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 chloride1.5gm 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
	For severe pregnancy induced hypertension (PIH) only	76	methyldopa	tablet	250mg, 500mg
				injection	250mg
	For severe PIH only	77	hydrochlorothiazide	injection	20mg
				tablet	25mg, 50mg
		78	enalapril (maleate)	tablet	5mg, 10mg
		79	atenolol	tablet	5mg, 10mg, 25mg
		80	furosemide	tablet	20mg, 40mg
				injection	10mg
O	**Oxytocic medicines**	81	ergometrine (hydrogen maleate)	injection	200mcg in 1ml
		82	misoprostol	tablet	200mcg
		83	oxytocin	injection	10 IU in 1ml

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
P	**Respiratory medicines**	84	salbutamol (sulfate)◙	tablet	2mg and 4mg
				inhaler	100mcg per dose
		85	ammonium chloride + chloroform + menthol + diphenhydramine + sodium citrate	antitussive expectorant	131.5mg/5ml + 22mg/5ml + 1mg/5ml + 13.5mg/5ml + 55mg/5ml
		86	aminophylline	injection	25mg/ml
Q	**Ophthalmic/ENT**	87	boroglycerine	ear drops (only for wax removing)	40%
		88	polymyxin B sulphate + lignocaine	ear drops	each ml contains Polymyxin B (Sulphate):10000IU/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%
R	**I/V Infusions Plasma substitutes**	93	plasma expander	infusion	dextran 6% w/v, glucose 5% w/v
		94	glucose/dextrose	infusion	5%, 10,%
				ampule	25%
		95	normal saline	infusion	0.9%
		96	dextrose + saline	infusion	5% + 0.9% w/v

RHCs

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
		97	Ringer lactate⊡	infusion	infusion1,000ml 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
				syrup	equivalent to 25mg/ml iron
		107	folic acid	tablet	1mg, 5mg
		108	ferrous salt + folic acid	tablet (DRAP approved)	tablet, equivalent to 60mg iron + 400mcg folic acid
		109	multiple micronutrients	sachet	UNICEF Approved
		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	DRAP approved
		114	multivitamins	tablet	DRAP approved

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	coaltar	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	ethynylestradiol ▣ + norethisterone ▣	CO pills	35mcg + 1mg
		125	levonorgestrel ▣	PO pills	30mcg
		126	levonorgestrel	EC pills	750 mcg (pack of 2)
		127	copper T/multiload	IUCD	
		128	DMPA (medroxyprogesterone acetate)	injection	150mg/1ml
		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
		132	polio vaccine (OPV trivalant)/ IPV	oral/ injection	
		133	hepatitis B vaccine		

RHCs

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

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

RHCs

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		170	clean delivery kits	sterile packs	• 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	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/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 (metilsulfate) (bromide)	injection	2.5mg in 1ml
				tablet	15mg
		7	suxamethonium (chloride)	ampoule	50mg/ml in 2ml
C	**Anesthetics local**	8	bupivacaine (hydrochloride)	vial	0.25%; 0.5%
			injection for spinal anesthesia	ampoule	(5mg/ml) 0.5% in 4ml
		9	lidocaine (hydrochloride)	vial	5% (hydrochloride) in 2ml ampoule to be mixed with 7.5% glucose solution
				topical forms	2% gel, 4% solution
		10	lignocaine + epinephrine (adrenaline)	injection	2% + 1:200,000
		11	lignocaine + epinephrine (adrenaline)	dental cartridge	2% + 1:80,000
	Complementary list	12	ephedrine (hydrochloride)	ampoule..	30mg in 1ml
D	**Analgesics Opioid/central acting**	13	morphine (sulphate or hydrochloride)	ampoule	10mg in 1ml
		14	pethidine (hydrochloride)	ampoule	50mg/ml in 2ml
		15	nalbuphine (HCl)	injection	10mg/ml, 20mg/ml
		16	pentazocin	injection	30mg/ml
E	**Analgesics/NSAIDs**	17	acetylsalicylic acid (dispersible)	dispersible tablet	300mg

THQs

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		18	diclofenac (sodium)	tablet	50mg
				ampule	75mg in 3ml
				gel	3% w/w
		19	ibuprofen ✧	tablet	200, 400mg
				gel	10% w/w
				syrup	200mg/5ml
		20	naproxen	tablet	250mg, 500mg
		21	paracetamol	tablet	500mg
				syrup	125mg/5ml
				injection	150mg/ml
				suppository	100mg
F	**Medicines to treat gout**	22	allopurinol	tablet	100mg and 300mg
G	**Anti-Allergics and medicines used in anaphylaxis**	23	chlorpheniramine (hydrogen maleate) ✧ ▣	tablet	4mg
				injection	10mg/ml
				syrup©	2mg/5ml
		24	loratadine	tablet	10mg
				syrup	1mg/ml
		25	cetirizine	tablet	10mg
				syrup	5mg/5ml
		26	promethazine (HCl)	tablet	25mg
				syrup	25mg/5ml
				injection	25mg/ml in 2ml
		27	dexamethasone (disodium phosphate)	injection	4mg/ml
				tablet	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 eclempsia only*	35	carbamazepine	tablet	200mg
				syrup	100mg/5ml
		36	magnesium sulphate	injection	500mg/ml
		37	phenobarbital (sodium)	tablet	30mg
				injection	200mg /ml
		38	phenytoin (sodium)	tablet	100mg
				syrup	30mg/5ml
J	**ANTI-INFECTIVES Antibiotics/ antimicrobials**	39	amoxicillin (trihydrate) (preferably dispersible tablet)	capsule/ tablet	250mg, 500mg
				powder for suspension©	125mg, 250mg/5ml
				injection	250mg, 500mg
		40	ampicillin (sodium)	capsule	250mg, 500mg
				powder for suspension©	125mg, 250mg/5ml
				injection	500mg, 1 g
		41	amoxicillin + clavulanic acid	tablet	125mg amoxicillin + 31.25mg clavulanic acid/5ml and 250mg amoxicillin + 62.5mg clavulanic acid/5ml

THQs

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
				injection	1gm
		42	benzathine penicillin	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 gonorrhea	44	cefixime* (trihydrate)	capsule	400mg
				syrup	100mg, 200mg/5ml
		45	ceftriaxone (sodium)✧	powder for injection	250mg, 500mg, 1gm
	Only for epidemic meningitis	46	chloramphenicol	capsule	250mg
			(palmitate)	syrup	125mg/5ml
			(sodium succinate)	injection	1gm
		47	ciprofloxacin (hydrochloride)▣	tablet	250mg, 500mg
	Recommended in combination regimens for eradicating H. pylori in adult.	48	azithromycin▣	capsule	250mg, 500mg
				suspension	125mg/5ml in 22.5ml
		49	clarithromycin*	tablet	500mg
		50	clindamycin (hydrochloride)	capsule	150mg, 300mg
			(phosphate)	injection	150mg/ml
		51	cotrimoxazole✧	tablet©	400mg + 80mg
			(sulfamethoxazole + trimethoprim)	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** *As per TB Control program guidelines*	65	ethambutol	tablet	400mg
				oral liquid©	25mg/ml
		66	isoniazid	tablet/syrup©	50mg, 100mg, 300mg

THQs

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
		67	pyrazinamide	tablet	500mg
		68	rifampicin	caps/syrup©	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 + ifampicin	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	glimepiride	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	sulfadoxine + pyrimethamine	tablet	500mg + 25mg
		83	artesunate	tablet	50mg
	To be used in combination (co-blister)	84	artesunate + sulfadoxine + 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.]
			artesunate + sulfadoxine + 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.
	Management of severe malaria	85	artemether*	ampule	80mg/ml in 1ml
		86	artemether + lumefantrine*	tablet©	20mg + 120mg

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
P	**GIT medicines**	87	hyoscine (butylbromide)	injection	20mg/ml
				tablet	10mg
		88	phloroglucinol	tablet	phloroglucinol 80mg + trimethylphloroglucinol 80mg
		89	metoclopramide (hydrochloride)✧	tablet	10mg
				syrup	5mg/5ml
				injection	5mg/ml
		90	dimenhydrinate	tablet	50mg
		91	omeprazole▣	capsule	10mg, 20mg, 40mg
		92	ranitidine	injection	25mg/ml in 2ml
				tablet	150mg, 250mg
		93	aluminium hydroxide + magnesium trisilicate	tablet	250mg + 500mg
	For treatment of acute diarrhea—in combination with zinc sulphate 20mg dispersible tablet	94	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.
		95	sodium phosphate	enema	7.2g /120ml
		96	bisacodyl	tablet	5mg
		97	glycerin	suppository	
		98	magnesium oxides and hydroxides	suspension	7.9% w/v

THQs

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
Q	**Cardiovascular medicines**	99	acetylsalicylic acid	tablet	100mg
		100	bisoprolol	tablet	1.25mg; 5mg
		101	digoxin	tablet	62.5mcg, 250mcg
				injection	250mcg /ml in 2ml
		102	dopamine (hydrochloride)	injection	40mg/ml in 5ml vial
		103	enalapril (maleate)	tablet	2.5mg, 5mg
		104	glyceryl trinitrate	sublingual	500 mcg
	For severe PIH only	105	hydralazine (hydrochloride)	injection	20mg
				tablet	25mg, 50mg
		106	isosorbide dinitrate	sublingual	5mg
	For severe PIH only	107	methyldopa	tablet	250mg, 500mg
				injection	250mg
		108	propranolol (HCl)	tablet/caps	10mg, 40mg, 80mg
		109	simvastatin	tablet	5mg, 10mg, 20mg, 40mg
		110	verapamil (hydrochloride)	tablet	40mg, 80mg
R	**Diuretics**	111	furosemide	tablet	20mg, 40mg
				injection	10mg
		112	hydrochlorothiazide	tablet	12.5mg, 25mg
		113	spironolactone	tablet	25mg
S	**Medicines affecting coagulation**	114	heparin sodium	injection	1,000, 5,000, 20,000 IU/ml
		115	tranexamic acid	injection	100mg/ml in 10ml
				capsule	250mg, 500mg
		116	warfarin (sodium)	tablet	1mg, 2mg, 5mg

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
T	**Antivirals for hepatitis**	117	interferon alpha 2b	injection	3 MIU
		118	ribavirine	tablet	200mg, 400mg, 600mg
U	**Anti-Herpes medicines**	119	acyclovir	tablet	200mg
				syrup	200mg/5ml
				cream/ointment	5% w/w
V	**Oxytocic medicines**	120	ergometrine (hydrogen maleate)	injection	200mcg in 1ml
		121	misoprostol	tablet	200mcg
		122	oxytocin	injection	10 IU in 1ml
W	**Respiratory medicines**	123	aminophylline	injection	25mg/ml in 10ml
				tablet	100mg
		124	beclomethasone (dipropionate)	Inhalation (aerosol)	50mcg per dose
		125	salbutamol (sulfate)	tablet	2mg, 4mg
				Inhalation (aerosol)	100mcg per dose
				solution for nebulizer	5mg /ml
				injection	50 mcg in 5ml
		126	ammonium chloride + chloroform + menthol + diphenhydramine + sodium citrate	antitussive expectorant	131.5mg/5ml + 22mg/5ml + 1mg/5ml + 13.5mg/5ml + 55mg/5ml
		127	dextromethorphan + diphenhydramine	antitussive syrup	12.5mg/5ml + 12.5mg/5ml

THQs

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
X	Ophthalmic	128	dexamethasone	eye drops	0.1% w/v
		129	gentamicin (sulfate)◈	eye drops	0.30%
		130	tropicamide	eye drops	1% w/v
		131	pilocarpine (hydrochloride or nitrate)	eye drops	2%; 4%
		132	tetracycline (hydrochloride)◈	eye ointment	1%
				eye drops	0.50%
		133	polymyxin B (sulphate) + bacitracin zinc	eye ointment	10,000IU/g + 500 IU/g
		134	tetracaine (hydrochloride) ✧ ◈	drops	0.50%
		135	timolol (hydrogen maleate)◈	eye drops	0.25%; 0.5%
Y	ENT	136	boroglycerine	ear drops (only for wax removing)	40%
		137	polymyxin B sulphate + lignocaine	ear drops	each ml contains polymyxin B (sulphate):10000IU/ml,lignocaine:50mg/ml]; 5ml plastic bottle
		138	ciprofloxacin	ear drops	0.30%
		139	ephedrine	nasal drops	0.5%
		140	lignocaine	topical solution	4%
		141	saline nasal drops	nasal drops	0.9%
		142	xylometazoline✧ ◈	nasal spray	0.05%
Z	Anti-Leishmaniasis medicines	143	amphotericin B	injection	50mg in vial
		144	sodium stibogluconate	injection	100mg/ml in 30ml vial

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
AA	**I/V infusions Plasma substitutes**	145	plasma expander	infusion	dextran 6% w/v, glucose 5% w/v
		146	glucose/dextrose	infusion	5, 10%
				ampule	25%
		147	normal saline	infusion	0.9%
		148	dextrose + saline	infusion	5%, 10%
		149	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
		150	potassium chloride	solution	11.2% in 20ml ampoule
		151	sodium bicarbonate	injection	1.4% isotonic
		152	mannitol	infusion	10% and 20% w/v (500ml)
		153	water for injection	ampule	5ml, 10ml
AB	**Dermatologicals**	154	benzyl benzoate ✧ ◈	lotion	5%, 25%
		155	betamethasone ✧ ◈	cream/ointment	0.1%
		156	calamine ◈	lotion	15%
		157	coaltar	lotion	5%
		158	clotrimazole	topical cream	1% w/w
		159	hydrocortisone ◈	cream	1%
		160	permethrin	cream/lotion	5% /1%
		161	salicylic acid	solution	5%

THQs

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
		162	polymyxin B (sulphate) + bacitracin zinc	ointment	10,000 IU/g + 500 IU/g
		163	silver sulphadiazine✧	cream	1%
		164	sodium thiosulphate	solution	15%
AC	**Vitamins and minerals**	165	ascorbic acid	tablet	50mg, 100mg, 500mg
		166	calcium gluconate	injection	100mg/ml in 10ml
		167	calcium lactate	tablet	500mg, 1gm
		168	ergocalciferol (vitamin D)▣	tablet	1.25mg (50,000 IU)
		169	ferrous salt (fumerate)	tablet	equivalent to 60mg iron
				syrup	equivalent to 25mg/ml iron
		170	folic acid	tablet	0.5mg, 1mg, and 5mg
		171	ferrous salt + folic acid	tablet (DRAP approved)	tablet, equivalent to 60mg iron + 400 mcg folic acid
		172	vitamin K	injection	10mg
		173	hydroxocobalamin	ampule	1mg in 1ml
		174	multiple micronutrients	sachet	UNICEF approved
		175	retinol (vitamin A)	tablet/ capsule	50,000 IU; 100,000 IU; 200,000 IU (as palmitate)
	For acute diarrhea	176	zinc sulphate	dispersible tablet	20mg
		177	B complex (B1, B6, and B12)	tablet	DRAP approved
		178	multivitamins	tablet	DRAP approved
AD	**Contraceptives**	179	condoms		
		180	ethynylestradiol▣ + norethisterone▣	combined oral pills	35mcg + 1mg
		181	levonorgestrel▣	progesteron only pills	30mcg

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
		182	levonorgestrel	emergency contraceptive pills	750 mcg (pack of 2)
		183	copper T/multiload	IUCD	
		184	DMPA (medroxyprogesterone acetate)	injection	150mg /1ml
		185	norethisterone enantate	injection	200mg/ml in 1ml
		186	estradiol cypionate + medroxyprogesterone acetate	injection	5mg + 25mg
		187	levonorgestrel-releasing implant	subdermal implant	2 rod 75mg each (use life: 5 years)
		188	etonogestrel-releasing implant	subdermal implant	1 rod 68mg each (use life: 3 years)
AE	Vaccines and sera	189	BCG vaccine		WHO approved/as per national EPI program
		190	polio vaccine (OPV trivalant)/IPV	oral/ injection	
		191	hepatitis B vaccine		
		192	measles vaccine		
		193	tetanus toxoid		
		194	pentavalant vaccine		
		195	pneumococcal vaccine		
		196	meningococcal vaccine		
		197	anti-rabies vaccine (PVRV)	single dose vial	>2.5 IU
		198	anti-snake venom serum		
		199	anti D immunoglobulin (human)	single dose vial	250mg
		200	diphtheria antitoxin	vial	10,000 IU; 20,000 IU
		201	tetanus immunoglobulin (human)	injection	500 IU in vial
		202	rabies immunoglobulin (human)	vial	150 IU/ml

THQs

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
AF	**Medicines for mental and behavioral disorders**	203	chlorpromazine (hydrochloride)◙	injection	25mg in 2ml
				tablet	100mg
		204	haloperidol	tablet	5mg
		205	alprazolam	tablet	0.5mg
	Tranquilizers	206	diazepam	tablet	2mg, 5mg
				injection	10mg
AG	**Antiseptics/ disinfectants** *Only chlorine-based compound in stable dry granular form*	207	povidone-iodine	solution	10% w/v
		208	halogenated natrium phosphate	powder	100gm
		209	chlorhexidine + ceterimide	solution	1.5% w/v + 15% w/v
		210	acriflavine	cream	0.1% w/w
		211	tincture benzoin Co	Solution	7.5% w/v
	Antiseptics for cord care	212	chlorhexidine digluconate (7.1%) for cord care	gel	equivalent to 4% chlorhexidine
AH	**Disposable supplies**	213	syringe (autodisable)	sterile packs	1cc, 5cc
		214	disposable syringe	sterile packs	50cc
		215	IV sets (DRAP approved)	sterile packs	
		216	scalp vein set (DRAP approved)	sterile packs	
		217	volumetric chamber (IV burette)	sterile packs	100ml size
		218	IV canula (DRAP approved)	sterile packs	16G, 20G, 24G
		219	adhesive tape (hypoallergenic)	roll	1 inch, 2 inch
		220	sterile gauze dressing		7.5 x 7.5 cm (10 ply)
		221	cotton bandage	roll	6.5cm x 2m

Sr. #	Therapeutic Class	Sr. #	Generic Drug Name	Form	Strength
		222	absorbent cotton wool	pack	500gm
		223	crepe bandage	roll	7.5, 10cm x 2.7m
		224	examination gloves	pairs	box of 100 (small, medium and large size) [1:2:1]
		225	sterile surgical gloves	pairs	6, 6½, 7, 7½, 8
		226	silk sutures sterile	12/pack	0, 1/0, 2/0, 3/0, 4/0
		227	chromic catgut sterile	sterile packs	0, 1/0, 2/0, 3/0, 4/0
		228	silk sutures sterile	12/pack	8/0, 10/0
		229	prolene/vicryl sterile sutures	sterile packs	0, 1/0, 2/0, 3/0, 4/0
		230	plaster of paris bandage	roll	10cm, 20cm x 6m
		231	face masks disposable		
		232	blood lancets	sterile packs	
		233	slides	sterile packs	
		234	endotracheal tube	sterile packs	set of 12
		235	nasogastric tube	sterile packs	adult/pads
		236	Foley's catheter	sterile packs	all sizes
		237	urine bags	sterile packs	
		238	blood bags	sterile packs	
		239	disposable airways	sterile packs	all sizes
		240	suction catheter	sterile packs	
		241	disposable cord clamps	sterile packs	
		242	spinal needle	sterile packs	
		243	surgical blades	sterile packs	

THQs

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
			clean delivery kits	sterile packs	• 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
AI	Radiocontrast media	244	amidotrizoate	injection	140mg to 420mg iodine/ml in 20ml
		245	barium sulfate	aqueous suspension	
		246	Iohexol	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 (metilsulfate) (bromide)	injection	2.5mg in 1ml
				tablet	15mg
		8	suxamethonium (chloride)	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
		13	ephedrine (hydrochloride)	ampoule	30mg in 1ml
D	**Analgesics Opioid/central acting**	14	morphine (sulphate or hydrochloride)	ampoule	10mg/1ml
		15	pethidine (hydrochloride)	ampoule	50mg/ml in 2ml
		16	nalbuphine (HCl)	injection	10mg/ml, 20mg/ml
		17	midazolam	injection	1mg/ml
				tablet	7.5mg

DHQs

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
E	**Analgesics/NSAIDs**	18	acetylsalicylic acid	dispersible tablet	300mg
				suppository	50mg to 150mg
		19	diclofenac (sodium)	tablet	50mg
				ampule	75mg in 3ml
				gel	3% w/w
		20	naproxen	tablet	250mg, 500mg
		21	meloxicam	tablet	7.5mg, 15mg
		22	ibuprofen✧	tablet	200mg, 400mg
				gel	10% w/w
				syrup	200mg/5ml
		23	paracetamol	tablet	500mg
				syrup	125mg/5ml
				injection	150mg/ml
				suppository	100mg
F	**Medicines to treat Gout**	24	allopurinol	tablet	100mg
G	**Anti-Allergics and medicines used in anaphylaxis**	25	chlorpheniramine (hydrogen maleate)✧ ⧈	tablet	4mg
				injection	10mg/ml
				syrup©	2mg/5ml
		26	cetirizine	tablet	10mg
				syrup	5mg/5ml
		27	loratadine	tablet	10mg
				syrup	1mg/ml

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

DHQs

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
	Only listed for single-dose treatment of uncomplicated ano-genital gonorrhea	40	cefixime* (trihydrate)	capsule	400mg
				syrup	100mg, 200mg/5ml
		41	ceftriaxone (sodium)✧	powder for injection	250mg, 500mg, 1gm
	Only for epidemic meningitis	42	chloramphenicol (palmitate) (sodium succinate)	capsule	250mg
				syrup	125mg/5ml
				injection	1gm
		43	ciprofloxacin (hydrochloride)▣	tablet	250mg, 500mg
				infusion	500mg/100ml
	Recommended for use in combination regimens for eradication of H. pylori in adults	44	clarithromycin*	tablet	500mg
		45	clindamycin (hydrochloride) (phosphate)	capsule	150mg, 300mg
				injection	150mg/ml
		46	cotrimoxazole✧ (sulfamethoxazole + rimethoprim)	tablet©	400mg + 80mg
				syrup©	200mg + 40mg/5ml
		47	doxycycline (hyclate)✧	capsule©	100mg
				syrup©	25mg/5ml
		48	flucloxacillin [floxacillin sodium]	injection	250mg, 500mg
				capsule	250mg, 500mg
	for multidrug-resistance (MDR) tuberculosis (TB)	49	gentamicin (sulfate)▣	injection	40mg, 80mg
		50	kanamycin (sulfate)	injection	500mg, 1gm
		51	levofloxacin	tablet	250mg, 500mg
				injection	500mg
		52	metronidazole▣ (benzoate)	tablet	200mg, 400mg
				injection	500mg in 100ml
				syrup	200mg/5ml

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

DHQs

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
L	**Anti-Fungal**	69	clotrimazole	vaginal cream	1% w/v
				vaginal tablet	100mg, 500mg
		70	fluconazole▣	capsule	50mg
				injection	2mg/ml
				syrup	50mg/5ml
		71	nystatin	tablet	500,000 IU
				drops©	100,000 IU/ml
				pessary	100,000 IU
M	**Anti-Tuberculosis drugs** *As per TB control program guidelines*	72	ethambutol	tablet	400mg
				oral liquid©	25mg/ml
		73	isoniazid	tablet/syrup©	50mg, 100mg, 300mg
		74	pyrazinamide	tablet	500mg
		75	rifampicin	capsules/syrup©	150mg, 300mg, 450mg, 600mg
		76	streptomycin	injection	1gm
		77	ethambutol + isoniazid	tablet	400mg + 150mg
		78	isoniazid + rifampicin	tablet	75mg + 150mg; 150mg + 300mg
		79	isoniazid + pyrazinamide + rifampicin	tablet	75mg + 400mg + 150mg
		80	rifampicin + isoniazid +	tablet	
		81	ethambutol + isoniazid + rifampicin	tablet	275mg + 75mg + 150mg
N	**Anti-Herpes medicines**	82	aciclovir▣	tablet	200mg
O	**Anti-Leishmaniasis medicines**	83	amphotericin B	injection	50mg in vial
		84	sodium stibogluconate	injection	100mg/ml in 30ml vial
P	**Anti-Diabetics**	85	glibenclamide	tablet	5mg

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
		86	glimepiride	tablet	1mg, 2mg, 3mg
		87	metformin (hydrochloride)	tablet	500mg
		88	insulin regular	injection	100 IU/ml
		89	insulin comp	injection	30% + 70% w/v
Q	**Antimalarial**	90	chloroquine (phosphate or sulfate)	tablet	150mg
				syrup	50mg/5ml
		91	quinine	tablet	300mg
				injection	300mg/ml
	For vivax	92	primaquine (diphosphate)	tablet	15mg
	For falciparum	93	sulfadoxine + pyrimethamine	tablet	500mg + 25mg
	To be used in combination (co-blister)	94	artesunate + sulfadoxine + 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.
			artesunate + sulfadoxine and pyrimethamine	tablet	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.
	Management of severe malaria	95	artemether*	ampule	80mg/ml in 1ml
		96	artemether + lumefantrine*	tablet©	20mg + 120mg
R	**GIT medicines**	97	hyoscine (butylbromide)	injection	20mg/ml
				tablet	10mg
		98	phloroglucinol	tablet	phloroglucinol 80mg + trimethylphloroglucinol 80mg

DHQs

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
		99	metoclopramide (hydrochloride) ✧	tablets	10mg
				syrup	5mg/5ml
				injection	5mg/ml
		100	omeprazole ◘	capsules	10mg, 20mg, 40mg
		101	ranitidine	injection	25mg/ml in 2ml
				tablets	150mg, 250mg
		102	aluminium hydroxide + magnesium trisilicate	tablets	250mg + 500mg
	Recommended in combination with zinc sulphate 20mg dispersible tablet in case of acute diarrhea	103	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 chloride1.5gm B.P., sodium chloride 2.6gm B.P.
		104	sodium phosphate	enema	7.2g /120ml
		105	lactulose	syrup	3.35g/5ml in 120ml
		106	bisacodyl	tablet	5mg
		107	glycerin	suppository	
		108	magnesium oxide and hydroxide	suspension	7.9% w/v
S	**Antivirals for hepatitis**	109	interferon alpha 2b	injection	3 million international units (MIU)
		110	ribavirine	tablet	200mg, 400mg, 600mg
		111	lamivudine	tablet	150mg
T	**Cardiovascular medicines**	112	acetylsalicylic acid	tablet	100mg
		113	bisoprolol ◘	tablet	1.25mg, 5mg

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

DHQs

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
W	Oxytocic medicines	134	ergometrine (hydrogen maleate)◘	injection	200mcg in 1ml
		135	misoprostol	tablet	200mcg
		136	oxytocin	injection	10 IU in 1ml
X	Respiratory medicines	137	aminophylline	injection	25mg/ml in 10ml
				tablet	100mg
		138	beclomethasone (dipropionate)	inhaler	50mcg per dose
		139	salbutamol (sulfate)◘	tablet	2mg, 4mg
				inhaler	100mcg per dose
				solution for nebulizer	5mg /ml
				injection	50mcg in 5ml
		140	ammonium chloride + chloroform + menthol + diphenhydramine + sodium citrate	antitussive expectorant	131.5mg/5ml + 22mg/5ml + 1mg/5ml + 13.5mg/5ml + 55mg/5ml
		141	dextromethorphan + diphenhydramine	antitussive syrup	12.5mg/5ml + 12.5mg/5ml
Y	Ophthalmic	142	dexamethasone	eye drops	0.1% w/v
		143	gentamicin (sulfate)◘	eye drops	0.30%
		144	tropicamide	eye drops	1% w/v
		145	pilocarpine (hydrochloride or nitrate)	eye drops	2%, 4%
		146	ciprofloxacin	eye drops	
		147	polymyxin B (sulphate) + bacitracin zinc	eye ointment	10,000IU/g + 500IU/g
		148	tetracycline (hydrochloride)◘	eye ointment	1%
				eye drops	0.50%
		149	tetracaine (hydrochloride)✧ ◘	drops	0.50%
		150	timolol (hydrogen maleate)◘	eye drops	0.25%, 0.5%

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
Z	ENT	151	boroglycerine	ear drops (only for wax removing)	40%
		152	polymyxin B sulphate + lignocaine	ear drops	each ml contains polymyxin B (sulphate):10000IU/ml,Lignocaine:50mg/ml]; 5ml plastic bottle
		153	ciprofloxacin	ear drops	0.30%
		154	ephedrine	nasal drops	0.5%
		155	lignocaine	topical solution	4%
		156	saline nasal drops	nasal drops	0.9%
		157	xylometazoline ✧ ▣	nasal spray	0.05%
AA	I/V Infusions Plasma substitutes	158	plasma expander	infusion	dextran 6% w/v, glucose 5% w/v
		159	glucose/dextrose	infusion	5%, 10%
				ampule	25%
		160	normal saline	infusion	0.9%
		161	dextrose + saline	infusion	5% + 0.9% w/v
		162	Ringer's lactate ▣	infusion	infusion1,000ml 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
		163	potassium chloride	solution	11.2% in 20ml ampoule
		164	sodium bicarbonate	injection	1.4% isotonic
		165	mannitol	infusion	20% w/v
		166	water for injection	ampule	5ml, 10ml

DHQs

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

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

DHQs

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
		205	levonorgestrel◙	PO pills	30mcg
		206	levonorgestrel	EC pills	750mcg (pack of 2)
		207	copper T/multiload	IUCD	
		208	medroxyprogesterone acetate (DMPA)	injection	150mg/1ml
		209	norethisterone enantate	injection	200mg/ml in 1ml
		210	estradiol cypionate + medroxy-progesterone acetate	injection	5mg + 25mg
		211	levonorgestrel-releasing implant	subdermal implant	2 rod 75mg each (use life: 5 years)
		212	etonogestrel-releasing implant	subdermal implant	1 rod 68mg each (use life: 3 years)
AF	Vaccines and sera	213	BCG vaccine		WHO-approved/as per national EPI program
		214	polio vaccine (OPV trivalent)/ IPV	oral/ injection	
		215	hepatitis B vaccine		
		216	measles vaccine		
		217	tetanus toxoid		
		218	pentavalant 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	intraperitoneal dialysis solution	parenteral solution	of appropriate composition
AH	**Immunosuppressives**	228	azathioprine (as sodium salt)	tablet	50mg
				injection	50mg in vial
		229	ciclosporin	capsule	25mg
AI	**Anti-Parkinson's**	230	biperiden	injection	5mg (lactate) in 1ml
				tablet	2mg (hydrochloride)
		231	levodopa + carbidopa	tablet	100mg + 10mg; 250mg + 25mg
	Thyroid/ anti-thyroid	232	levothyroxine	tablet	50mcg, 100 mcg
		233	propylthiouracil	tablet	50mg
AJ	**Antiseptics / disinfectants** *Only chlorine based compound in stable dry granular form* *Antiseptics for cord care*	234	povidone-iodine	solution	10% w/v
		235	chlorhexidine + ceterimide	solution	1.5% w/v + 15% w/v
		236	halogenated natrium phosphate	powder	100gms
		237	tincture benzoin compound	solution	7.5% w/v
		238	chlorhexidine digluconate (7.1%) for cord care	gel	equivalent to 4% chlorhexidine
AK	**Disposable supplies**	239	syringe (autodisable)	sterile packs	1cc, 5cc
		240	disposable syringe	sterile packs	50 cc

DHQs

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
		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	roll	10 cm, 20 cm x 6 m
		257	face masks disposable		
		258	blood lancets	sterile packs	
		259	slides	sterile packs	
		260	endotracheal tube	sterile packs	Set of 12
		261	nasogastric tube	sterile packs	adult/pads
		262	Foley catheter	sterile packs	all sizes
		263	urine bags	sterile packs	

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
		264	blood bags	sterile packs	
		265	disposable airways	sterile packs	all sizes
		266	suction catheter	sterile packs	
		267	disposable cord clamps	sterile packs	
		268	spinal needle	sterile packs	
		269	surgical blades	sterile packs	
		270	clean delivery kits	sterile packs	• 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
AL	**Radio contrast media**	271	amidotrizoate	injection	140mg to 420mg iodine/ml in 20ml
		272	barium sulfate	aqueous suspension	

DHQs

Sr.#	Therapeutic Class	Sr.#	Generic Drug Name	Form	Strength
		273	Iohexol	injection	140mg to 350mg iodine/ml in 5ml; 10ml; 20ml ampoules.
AM	**Dental materials**	274			

NOTES

NOTES



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