

REBUPUBLIC OF PALAU

ESSENTIAL MEDICINES LIST

2nd Edition 2017



Ministry Of Health



Belau National Hospital

DISCLAIMER

The 2017 version of the Belau National Hospital (BNH) Essential Medicines List is designed for information purposes and to serve as a guide in selecting appropriate drug therapy for healthcare professionals in the Republic of Palau. The medications included in this list are based on the World Health Organizations' Essential Medicines List and the recommendations of the Pharmacy Drug and Therapeutics committee, which consists of Belau National Hospital physicians, nurses and pharmacists. The contents of this EML were prepared by BNH staff independently of the manufacturers and the inclusion of brand or proprietary names are for clarification purposes only and should not be interpreted as recommendations for prescribing over generic or other proprietary products.

Although great efforts were made to provide the most current and accurate evidence-based information and clinical practices, BNH cannot be held responsible for any inaccuracies, continued currency of this information or for any damage, loss, injury or any consequences arising there from. As drug information and therapy are constantly evolving due to ongoing research and clinical experience, the most recent drug manufacturers' information sheets and current evidence-based medicine literatures should be referenced for the most up to date information.

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USING THE ESSENTIAL MEDICINES LIST (Example)

5.0 ANTIEPILEPTIC MEDICINES	
CARBAMAZAPINE	Tablet: 100mg, 200mg Oral Liquid: 100mg/5mLs
DIAZEPAM	Injection: 5mg/mL Tablet: 5mg
LAMOTRIGINE	Tablet: 50mg
LORAZEPAM	Tablet: 1mg

Medicines are alphabetically listed according to their Pharmacological category

The different dosage forms they are available in

FOREWORD



October 2017

A sensible pharmaceutical support is recognized as one of the essential components of primary health care. A list of essential drugs maintained at a sustainable level, dispensed in an appropriate fashion for the right reason is a goal that can achieve positive health outcomes.

The development of a progressive Formulary for the Belau National Hospital and the Community Health Centers is a step we hope will complement the outreach programs conducted by the Bureau of Public Health and to support the health providers in the various clinical settings.

Much dedication and hard work has been done by the Division of Pharmacy and Medical Supplies and the Drug & Therapeutics Committee and I hereby commend them for their effort. As the needs of our communities and the health of our People change over time, we will continue to do our best to ensure that we are up to date with the latest standards of services and medicine.

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Hon. EMAIS ROBERTS, MD, FACS
Minister of Health



PREFACE



In keeping with the Ministry of Health's Vision and Mission Statement, the Pharmacy Drug and Therapeutics Committee (PDTC) hereby presents the Essential Medicines List (EML) 2017 edition, which is a product of months of research, workshops and sheer hard work.

This version has been modernized with a spectrum of quality medications recommended by the PDTC for the treatment and prevention of commonly encountered sickness and diseases within the Republic. The choice of medication and treatment has been carefully selected in compliance with International Standard Treatment Guidelines. The EML 2017 is also strictly cost effective and accessible with variable availability at the Community Health Centers and the Belau National Hospital.

It is the PDTCs' intention that the EML 2017 will be used as a reference to standardize prescribing within the Ministry of Health, with great hopes that the users in the community would use these medications wisely and safely as prescribed and report any associated adverse effects.

Although the EML 2017 is already published, there is an understanding that 'non-EML 2017' pharmaceutical needs of patients can still be addressed and obtained through a proposed non-EML protocol.

The PDTC is confident that through the regular monitoring and evaluation of the EML 2017, the pharmaceutical needs of the community will be met and protected.

Much recognition and appreciation is given to the immeasurable assistance of: the World Health Organization (WHO), Minister of Health - Dr. Emais Roberts, Director of Bureau of Hospital and Clinical Services - Dr Ngirachisau Mekoll, Director of Bureau of Public Health - Ms Sherilynn Madraisau, Director of Bureau of Nursing - Ms Antonnette Merur, Director of Bureau of Hospital Administration and Support Services - Ms Darnelle Decherong, Chief of Medical Staff - Dr Sylvia Osarch, Chief of Ancillary - Ms Clarette Matlab, members of the PDTC and our hardworking secretariat Ms Isabela Koroitukana.

Until the next edition, we send our best wishes for good health and prosperity.

Yours sincerely,

A handwritten signature in black ink, reading "Dr. Selaima Malani Lalabalavu".

DR SELAIMA MALANI LALABALAVU
CHAIRPERSON,
Pharmacy Drug & Therapeutics Committee, PDTC



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- i. WHO WPR office – for its generous financial support for this review
- ii. BNH Doctors and nurses – the invaluable contribution of their time and evidence-based clinical knowledge in formalising STGs that are specific to the Republics demography which formed the foundational framework on which this EML is based
- iii. PDTC Members – representatives from various disciplines noted below are the staff who, despite their busy schedules, had made tireless efforts in taking the time to extensively deliberate and critically review the 2006 list and finalising the new EML to the best of their professional knowledge:

 Dr. Selaima Lalabalavu	- Chairperson / Internal Medicine
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 Ms Isabela Koroitukana	- Secretary / Pharmacy

KOM KMAL MESULANG

ABBREVIATIONS

BID (bid)	Two times a day
BHCS	Bureau of Hospital and Clinical Services
CDU	Communicable Disease Unit
CNS	Central Nervous System
CR	Controlled Release
CrCl	Creatinine Clearance
ECP	Emergency Contraceptive Pill
EML	Essential medicines List
ER	Extended Release
g	Grams
GFR	Glomerular Filtration rate
I.V	Intravenous
IU	International Units
IUD	Intra-Uterine Device
L	Litres
mcg	Microgram
MDI	Metered Dose Inhaler
MDR	Multiple Drug Resistant
MDT	Multiple Drug Therapy
mg	Milligram
mL(s)	Millilitres(s)
MRSA	Methicillin Resistant Staphylococcus aureus
MU	Mega (Million) Units
NPH	Neutral Protamine Hagedorn
OB-Gyn	Obstetrics and Gynaecology Unit
PA	Prolonged Action
PDTC	Pharmacy Drug and Therapeutics Committee
PF	Preservative Free
PPD	Purified Protein Derivative
PR	Prolonged release
QD (qd)	Once daily
QID (qid)	Four times a day
SL	Sublingual
SR	Sustained Released
STG	Standard Treatment Guidelines
TB	Tuberculosis
TID (tid)	Three times a day
TU	Tuberculin Units
U	Units
WFI	Water for injection
WHO	World Health Organization
WPR	Western Pacific Region

SECTION 1: PHARMACOLOGICAL LIST OF MEDICINES

1.0 ANESTHETICS AND RELATED DRUGS	
1.1 GENERAL ANESTHETICS	
1.1.1 INHALATIONAL MEDICINES	
ISOFLURANE	Inhalation Liquid: 100%
SEVOFLURANE	Inhalation Liquid : 100%
1.1.2 INJECTABLE MEDICINES	
KETAMINE	Injection: 50mg/mL
PROPOFOL	Injection: 10mg/mL
1.2 LOCAL ANESTHETICS	
BUPIVACAINE	Injection: 0.5% + Dextrose (<i>Spinal / Heavy</i>), 0.5% (<i>Plain</i>)* *Plain – not for spinal use
LIDOCAINE	Injection: 1%, 2%
LIDOCAINE + EPINEPHRINE	Injection: 1% + 1:100,000
1.3 NEUROMUSCULAR BLOCKING AGENTS	
1.3.1 DEPOLARISING	
SUCCINYLCHOLINE (Other generic name - SUXAMETHONIUM)	Injection: 20mg/mL
1.3.2 NON-DEPOLARISING	
ROCURONIUM	Injection: 50mg/5mLs
VECURONIUM	Injection: 10mg/Vial
1.4 PERIOPERATIVE AND SEDATION MEDICATIONS	
ATROPINE	Injection: 400mcg/mL
DIAZEPAM	Injection: 10mg/2mLs
DROPERIDOL	Injection: 5mg/2mLs
EPHEDRINE	Injection: 50mg/mL
FENTANYL	Injection: 50mcg/mL Patch: 5.10mg /patch (50mcg/hr)
MIDAZOLAM	Injection: 1mg/mL
MORPHINE	Capsule: 10mg*, 30mg* Injection: 10mg/mL (<i>as Sulphate salt</i>) *CR – controlled release
MEPERIDINE (Other generic name - DEMEROL or PETHIDINE)	Injection: 50mg/mL injection
1.5 ANTAGONIST FOR MALIGNANT HYPERTHERMIA	
DANTROLENE	Injection: 20mg/Vial

2.0 ANALGESIC AND ANTIPYRETIC MEDICINES

2.1 NON-OPIOID ANALGESIC, NON-STEROIDAL ANTI-INFLAMMATORY DRUGS (NSAIDS) AND ANTIPYRETICS

ACETAMINOPHEN (Other generic name - PARACETAMOL)	Oral Liquid: 160mg/5mLs Suppository: 120mg, 650mg Tablet: 80mg (chewable), 325mg
ASPIRIN (Other generic name – ASA : ACETYL SALICYLIC ACID)	Tablet: 325mg
CELECOXIB	Capsule: 100mg
DICLOFENAC	Tablet: 50mg, 100mg* * SR – sustained release
IBUPROFEN	Tablet: 400mg
INDOMETHACIN	Capsule: 25mg
KETOROLAC	Injection: 30mg/mL
NAPROXEN	Tablet: 500mg
PIROXICAM	Capsule: 10mg

2.2 OPIOID ANALGESICS (NARCOTICS)

CODEINE + ACETAMINOPHEN	Tablet: 30mg + 300mg
FENTANYL	Injection: 50mcg/mL Patch: 5.10mg /patch (50mcg/hr)
MEPERIDINE (Other generic name - DEMEROL or PETHIDINE)	Injection: 50mg/mL injection
MORPHINE	Capsule: 10mg*, 30mg* Injection: 10mg/mL (as Sulphate salt) *CR – controlled release
OXYCODONE	Capsule: 10mg

3.0 ANTIALLERGICS AND MEDICINES USED IN ANAPHYLAXIS

3.1 ALPHA & BETA RECEPTOR AGONIST

EPINEPHRINE (Other generic name - ADRENALINE)	Injection: 1:1000 (1mg/mL)
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3.2 ANTIHISTAMINES

3.2.1 SEDATING ANTIHISTAMINES

DIPHENHYDRAMINE	Capsule: 25mg, 50mg Injection: 50mg/mL Oral Liquid: 12.5mg/5mLs
HYDROXYZINE	Capsule: 25mg Oral Liquid: 10mg/5mLs
PROMETHAZINE	Injection: 25mg/mL Oral Liquid: 6.25mg/5mLs Suppository: 12.5mg Tablet: 25mg

3.2.2 LESS SEDATING ANTIHISTAMINES

LORATADINE	Tablet: 10mg
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3.3 ANTI-INFLAMMATORY (CORTICOSTEROIDS)

DEXAMETHASONE	Injection: 4mg/mL Tablet: 4mg
PREDNISONE	Oral Liquid: 15mg/5mLs Tablet: 5mg, 20mg
3.4 DECONGESTANTS	
PSEUDOEPHEDRINE	Oral Liquid: 30mg/5mLs Tablet: 30mg
PSEUDOEPHEDRINE + TRIPROLIDINE	Tablet: 60mg + 2.5mg (<i>ACTIFED</i>)
4.0 ANTIDOTES AND OTHER DRUGS USED IN POISONING	
4.1 NON-SPECIFIC	
CHARCOAL, ACTIVATED	Oral Liquid: 50g/240mLs
4.2 SPECIFIC	
ACETYL CYSTEINE	Oral Liquid: 20%
ATROPINE	Injection: 400mcg/mL
CALCIUM GLUCONATE	Injection: 100mg/mL
DEFEROXAMINE	Injection: 500mg
EPHEDRINE	Injection: 50mg/mL
NALOXONE	Injection: 0.4mg/mL
NEOSTIGMINE	Injection: 1mg/mL
PHYTONADIONE (<i>Vitamin K₁</i>) (<i>Other generic name – PHYTOMENADIONE</i>)	Injection: 10mg/mL, 1mg/0.5mL
PROTAMINE SULFATE	Injection: 50mg/5mLs
SODIUM BICARBONATE	Injection: 8.4% Tablet: 650mg
SODIUM POLYSTYRENE	Oral Liquid: 15g/60mLs
5.0 ANTIEPILEPTIC / ANTICONVULSANT MEDICINES	
CARBAMAZAPINE	Oral Liquid: 100mg/5mLs Tablet: 100mg, 200mg
CLONAZEPAM	Tablet: 0.5mg, 2mg
DIAZEPAM	Injection: 5mg/mL Tablet: 5mg
LAMOTRIGINE	Tablet: 50mg
LORAZEPAM	Tablet: 1mg
MAGNESIUM SULPHATE*	Injection: 500mg/mL <i>*Use in pre-eclampsia and eclampsia related seizures</i>
MIDAZOLAM	Injection: 10mg/mL
PHENOBARBITAL	Injection: 130mg/mL Oral Liquid: 20mg/5mLs Tablet: 30mg
PHENYTOIN	Capsule: 100mg Injection: 250mg/5mLs Oral Liquid: 125mg/5mLs Tablet: 50mg (<i>chewable</i>)

SODIUM VALPROATE	Oral Liquid: 200mg/5mLs Tablet: 200mg
6.0 ANTI-INFECTIVE MEDICINES	
6.1 ANTHELMINTICS	
MEBENDAZOLE	Tablet: 100mg
ALBENDAZOLE	Tablet: 200mg
6.2 ANTIBACTERIALS (Antibiotics)	
***In alignment with WHO's global action plan to minimise antimicrobial resistance and to improve clinical outcomes, three different antibiotic categories were developed – ACCESS, WATCH and RESERVE groups.  ACCESS Group – Include antibiotics that are the first or the second choice antibiotics in syndromes recently been reviewed by WHO and should be widely available, affordable and quality assured. Available on the EML.  WATCH Group - include antibiotic classes that have a higher resistance potential and so are recommended as first or second choice only for a specific and limited number of indications stated under specified medications and dosage forms  RESERVE Group – include antibiotics that should be treated as “last resort” options and the use of which should be tailored to highly specific patients and indications when all alternatives have failed. Specific indications stated under section 6.2.9	
6.2.1 BETA-LACTAMS	
6.2.1.1 Penicillins	
AMOXICILLIN	Capsule: 250mg, 500mg Oral Liquid: 250mg/5mLs
AMPICILLIN	Injection: 1g (1000mg)
BENZATHINE BENZYL PENICILLIN	Injection: 1.2 MU
BENZYL PENICILLIN (Other generic name - PENICILLIN G or AQUEOUS PENICILLIN)	Injection: 5 MU (as Potassium or Sodium Salt)
PHENOXYMETHYL PENICILLIN (Other generic name - PENICILLIN V)	Oral Liquid: 250mg/5mLs Tablet: 250mg (Pen VK – Pen V as the potassium Salt)
Anti-Staphylococcal Penicillins	
CLOXACILLIN	Capsule: 250mg
NAFCILLIN	Injection: 1g (1000mg)
Penicillin and Beta-Lactamase Inhibitor Combination	
AMOXICILLIN + CLAVULANIC ACID	Oral Liquid: 125mg + 31.25mg/5mLs Tablet: 500mg + 125mg
TICARCILLIN + CLAVULANIC ACID RESERVE GROUP	Injection: 3g + 0.1g (3.1g) /vial
6.2.1.2 Cephalosporins	
1st Generation	
CEFAZOLIN	Injection: 1g (1000mg)
CEPHALEXIN	Capsule: 250mg, 500mg Oral Liquid: 250 mg/5mLs
2nd Generation	
CEFUROXIME	Injection: 1.5g (1500mg)/Vial Oral Liquid: 250mg/5mLs
3rd Generation	

CEFIXIME RESERVE GROUP	Capsule: 200mg, 400mg Oral Liquid: 200mg/5mLs	
CEFTAZIDIME RESERVE GROUP	Injection: 1g (1000mg)/Vial	
CEFTRIAXONE* WATCH GROUP	Injection: 1g (1000mg)/Vial, 250mg/vial* <i>*250mg – funded and supplied through HIV program</i> <i>*Do not administer with calcium or calcium containing products</i>	
	FIRST CHOICE - Acute bacterial meningitis - Community acquired pneumonia (severe) - Complicated intra-abdominal infections (mild ,moderate, severe) - Hospital acquired pneumonia - Neisseria gonorrhoeae - pyelonephritis or prostatitis (severe)	SECOND CHOICE - Acute invasive bacterial diarrhoea/dysentery - Bone and joint infection - Pyelonephritis or prostatitis (mild to moderate) - Sepsis in neonates and children
6.2.2 AMINOGLYCOSIDES		
GENTAMICIN	Injection: 80mg/2mLs	
NEOMYCIN	Tablet: 500mg	
TOBRAMYCIN RESERVE GROUP	Injection: 1.2g (1200mg)/Vial	
6.2.3 TETRACYCLINES		
DOXYCYCLINE*	Capsule: 100mg Oral Liquid: 50mg/5mLs Injection: 100mg <i>*Use in children < 8 years only for life-threatening infections when no alternative exists</i>	
6.2.4 MACROLIDES		
AZITHROMYCIN RESERVE GROUP	Injection: 500mg/Vial Oral Liquid: 200mg/5mLs Tablet: 500mg	
ERYTHROMYCIN	Oral Liquid: 200mg/5mLs Injection: 500mg Tablet: 250 mg	
CLARITHROMYCIN WATCH GROUP	Tablet: 500mg	
	FIRST CHOICE community acquired pneumonia (severe)	SECOND CHOICE Pharyngitis
6.2.5 QUINOLONES		
CIPROFLOXACIN WATCH GROUP * RESERVE GROUP**	Injection: 200mg/Vial Oral Liquid: 500mg/5mLs Tablet: 500mg <i>*Tablet and oral liquid ** Injection</i>	

	FIRST CHOICE - Acute invasive bacterial diarrhoea/dysentery - Low risk febrile neutropenia - Pyelonephritis or prostatitis (severe)	SECOND CHOICE - Cholera - Complicated intra-abdominal infections (mild ,moderate, severe)
6.2.6 NITROIMIDAZOLES		
METRONIDAZOLE	Oral Liquid: 200mg/5mLs Injection: 500mg/100mLs Tablet: 250mg	
6.2.7 GLYCOPEPTIDES		
VANCOMYCIN RESERVE GROUP	Injection: 500mg /Vial	
6.2.8 OTHER ANTIBACTERIAL		
BACITRACIN	Ointment: 15g	
BACITRACIN + NEOMYCIN + POLYMYXIN	Ointment: 400U + 3.5mg + 5000U/g (<i>Triple Antibiotic</i>)	
CLINDAMYCIN WATCH GROUP * RESERVE GROUP**	Capsule: 150mg Injection: 150mg/mL Oral Liquid: 75mg/5mLs *Tablet and oral liquid ** Injection	SECOND CHOICE Bone and joint infection
NITROFURANTOIN	Oral Liquid: 50mg/5mLs Tablet: 100mg	
SILVER NITRATE	Sticks	
SILVER SULPHADIAZINE	Cream: 15g, 500g	
SULFAMETHOXAZOLE + TRIMETHOPRIM	Oral Liquid: 200mg + 40mg/5mLs Tablet: 800mg + 160mg	
TRIMETHOPRIM	Tablet: 200mg	
6.2.9 RESERVE ANTIBIOTICS		
AZITHROMYCIN	Severe infections as specified in the Antibiotic Guidelines	
CEFIXIME	Acute invasive bacterial diarrhoea/dysentery and as specified in the Antibiotic Guidelines	
CEFTAZIDIME	Severe gram-negative infections specified in the Antibiotic Guidelines	
CIPROFLOXACIN INJECTION	Severe gram-negative infections including Pseudomonas and some gram-positive cocci, legionella and Mycobacteria.	
CLINDAMYCIN INJECTION	Serious bone and joint infection as specified in the Antibiotic Guidelines	
TICARCILLIN + CLAVULANIC ACID	Serious infections caused by Pseudomonas species	
TOBRAMYCIN	Pseudomonal sepsis	
VANCOMYCIN	- Methicillin-Resistant Staphylococcus aureus (MRSA) infection - Severe antibiotic-associated diarrhoea and as specified in the Antibiotic Guidelines	
6.2.10 ANTILEPROSY MEDICINES		

CLOFAZIMINE	Capsule: 50mg, 100mg	
DAPSONE	Tablet: 25mg, 100mg	
RIFAMPICIN	Capsule: 150mg, 300mg	
Multiple Drug Therapy (MDT) packs: PAUCIBACILLARY (PB) REGIMEN		◦ WHO funded and supplied ◦ Dispensed through the Communicable Disease Unit (CDU)
RIFAMPICIN	Child: 1 x 300mg & 150mg capsule Adult: 2 x 300mg capsule	
DAPSONE	Child: 28 x 50mg tablet Adult: 28 x 100mg tablet	
Multiple Drug Therapy (MDT) packs: MULTIBACILLARY (MB) REGIMEN		
RIFAMPICIN	Child: 1 x 300mg & 150mg capsule Adult: 2 x 300mg capsule	
DAPSONE	Child: 28 x 50mg tablet Adult: 28 x 100mg tablet	
CLOFAZIMINE	Child: 16 x 50mg capsule Adult: 29 x 50mg capsule	
6.2.11 ANTITUBERCULOSIS MEDICINES – Dispensed through CDU		
ETHAMBUTOL	Tablet: 400mg	
ISONIAZID + RIFAMPICIN	Tablet: 75mg + 150mg (DUOMAX)	
ISONIAZID	Oral Liquid: 50mg/5mLs Tablet: 100mg, 300mg	
ISONIAZID + RIFAMPICIN + PYRAZINAMIDE + ETHAMBUTOL	Tablet: 75mg + 150mg + 400mg + 275mg (QUADMAX)	
PYRAZINAMIDE	Tablet: 500mg	
RIFAMPICIN	Tablet: 300mg	
RIFAPENTINE*	Tablet: 150mg *For 3HP-LTBI (Latent TB Infection) Regimen only	
STREPTOMYCIN	Injection: 1000mg (1g) /vial	
Second-line Drugs for Multiple Drug Resistant TB (MDR-TB) Therapy		◦ WHO funded and supplied ◦ Dispensed through the Communicable Disease Unit (CDU)
CAPREOMYCIN	Injection: 1g (1000mg)	
CYCLOSERINE	Capsule: 250mg	
KANAMYCIN	Capsule: 500mg	
LEVOFLOXACIN	Tablet: 250mg	
PROTHIONAMIDE	Tablet: 250mg	
6.3 ANTIFUNGAL MEDICINES		
CLOTRIMAZOLE	Cream: 1%	
FLUCONAZOLE	Oral Liquid: 40mg/mL Tablet: 150mg	
KETOCONAZOLE	Cream: 2% Tablet: 200mg	
NYSTATIN	Oral Drops: 100,000U/mL	
MICONAZOLE *	Cream: 2% *For vaginal application	

6.4 ANTIVIRAL MEDICINES		
6.4.1 ANTIHERPES MEDICINES		
ACYCLOVIR	Capsule: 200mg Injection: 500mg/10mLs	
6.4.2 ANTIRETROVIRALS – HIV/AIDS		◦ Program funded and supplied ◦ Dispensed through the Communicable Disease Unit (CDU)
6.4.2.1 Nucleoside / Nucleotide Reverse Transcriptase Inhibitors (NRTI)		
LAMIVUDINE	Tablet: 150mg	
LAMIVUDINE + TENOFOVIR	Tablet: 300mg + 300mg	
ZIDOVUDINE	Capsule: 300mg Oral Liquid: 50mg/5mLs	
ZIDOVUDINE + LAMIVUDINE	Tablet: 300mg + 150mg	
6.4.2.2 Non-Nucleoside Reverse Transcriptase Inhibitors (NNRTI)		
NEVIRAPINE	Oral Liquid: 50mg/5mLs Tablet: 200mg	
EFAVIRENZ	Tablet: 600mg	
6.4.2.3 Protease Inhibitors (PI)		
LOPINAVIR + RITONAVIR	Tablet: 200mg + 50mg	
6.4.2.4 Fixed Dose Combinations (NRTI + NNRTI)		
TENOFOVIR + LAMIVUDINE + EFAVIRENZ	Tablet : 300mg + 300mg + 600mg	
6.4.3 OTHER ANTIVIRALS – SARS/SWINE FLU (H1N1) / BIRD FLU (H5N1) and OTHER VIRAL INFECTION		
LAMIVUDINE	Tablet: 150mg	◦ Emergency Preparedness Program funded
OSELTAMIVIR (TAMIFLU)	Capsule: 30mg, 75mg Injection: 12mg/mL	
6.5 ANTIPROTOZOAL		
6.5.1 ANTIAMOEBIc AND ANTIGIARDIASIS MEDICINES		
METRONIDAZOLE	Injection: 500mg/100mLs Oral Liquid: 200mg/5mLs Tablet: 250mg	
6.5.2 ANTIMALARIAL PROPHYLAXIS		
DOXYCYCLINE*	Tablet: 100 mg <i>*Use in children < 8 years only for life-threatening infections when no alternative exists</i>	
6.5.3 ANTIPNEUMOCYSTOSIS AND ANTITOXOPLASMOSIS MEDICINES		
SULFAMETHOXAZOLE + TRIMETHOPRIM	Oral Liquid: 200mg + 40mg/5mLs Tablet: 800mg + 160mg	
7.0 ANTIMIGRAINE MEDICINES		
7.1 TREATMENT FOR ACUTE ATTACK		
ACETAMINOPHEN	Oral Liquid: 160mg/5mLs Tablet: 80mg (chewable), 325mg	
ASPIRIN <i>(Other generic name – ASA : ACETYL SALICYLIC ACID)</i>	Tablet: 325mg	
IBUPROFEN	Tablet: 400mg	
ERGOTAMINE + CAFFEINE	Tablet: 2mg + 100mg (Cafergot)	

7.2 FOR PROPHYLAXIS	
ATENOLOL	Tablet: 50mg
8.0 ANTINEOPLASTICS	
8.1 ANTIMETABOLITES	
METHOTREXATE	Tablet: 2.5mg
HYDROXYUREA (Other generic name – Hydroxycarbamide)	Capsule: 500mg
8.2 ANTIHORMONE (ANTIESTROGEN)	
TAMOXIFEN	Tablet: 20mg
9.0 ANTIPARKINSONISM MEDICINES	
BENZTROPINE	Injection: 1mg/mL Tablet: 2mg
CARBIDOPA /LEVODOPA	Tablet: 25mg + 100mg
10.0 MEDICINES AFFECTING BLOOD	
10.1 ANTIANAEMIA MEDICINES	
ERYTHROPOIETIN	Injection: 10,000 Units/mL
FERROUS SULPHATE	Oral Drops: 75mg/mL (Elemental iron -15mg/mL) Tablet: 325mg (Elemental iron - 60mg/tab)
FOLIC ACID (Vitamin B ₉)	Injection: 5mg/mL Tablet: 1mg
HYDROXOCOBALAMIN (Vitamin B ₁₂)	Injection: 1mg/mL
10.2 MEDICINES AFFECTING COAGULATION	
10.2.1 ANTIFIBRINOLYTIC AGENTS	
AMINOCAPROIC ACID	Injection: 250mg/mL
TRANEXAMIC ACID	Tablet: 500mg
10.2.2 VITAMIN K ANTAGONISTS	
WARFARIN	Tablet: 1mg, 2mg, 5mg
10.2.3 HEPARINS	
HEPARIN	Injection: 10U/mL (Heplock-Flush), 5000U/mL
10.2.4 HEPARIN ANTAGONIST	
PROTAMINE SULFATE	Injection: 50mg/5mLs
10.2.5 WARFARIN OVERDOSE	
PHYTONADIONE (Vitamin K ₁) (Other generic name – PHYTOMENADIONE)	Injection: 1mg/0.5mL, 10mg/mL* *10mg ampoule can also be given orally – confirm with manufacturers recommendations
10.3 OTHER MEDICINES FOR HEAMOGLOBINOPATHIES	
DEFEROXAMINE	Injection: 500mg
HYDROXYUREA (Other generic name – Hydroxycarbamide)	Capsule: 500mg

11.0 BLOOD PRODUCTS OF HUMAN ORIGIN AND PLASMA SUBSTITUTES	
11.1 HUMAN IMMUNOGLOBULINS	
NORMAL / HUMAN IMMUNOGLOBULIN	Injection: 10% <i>Intravenous (IVIG)</i> , 16% <i>Intramuscular (IMIG)</i>
Rho (D) IMMUNOGLOBULIN (ANTI-D)	Injection: ≥1500 IU (≥300mcg)/single dose
11.2 PLASMA PROTEIN FRACTION	
ALBUMIN	Injection: 20%
11.3 PLASMA SUBSTITUTES	
HETASTARCH + SODIUM CHLORIDE	Injection: 6% + 0.9% (500mLs)
12.0 CARDIOVASCULAR MEDICINES	
12.1 ANTIANGINAL MEDICINES	
BISOPROLOL	Tablet: 2.5mg, 5mg
ISOSORBIDE DINITRATE	Tablet: 10mg
ISOSORBIDE MONONITRATE PR*	Tablet: 60mg <i>*PR - Prolonged Release</i>
NITROGLYCERIN	Ointment: 2% Tablet: 0.4mg* <i>*SL – Sublingual</i>
VERAPAMIL	Injection: 5mg/2mLs
12.2 ANTIARRHYTHMIC MEDICINES	
ADENOSINE	Injection: 3mg/mL
AMIODARONE	Injection: 50mg/mL Tablet: 200mg
ATENOLOL	Tablet: 50mg
ATROPINE	Injection: 600mcg/mL
BISOPROLOL	Tablet: 2.5mg, 5mg
DIGOXIN	Injection: 250mcg/mL Oral Liquid: 50mcg/mL Tablet: 125mcg, 250mcg
EPINEPHRINE (Other generic name – ADRENALINE)	Injection: 1mg/10mLs (1:10,000), 1mg/mL (1:1,000)
LIDOCAINE PF* (Other generic name – LIGNOCAINE)	Injection: 2% - 20mg/mL <i>*PF – Preservative free, Pre-filled syringe</i>
PROPRANOLOL	Injection: 1mg/mL
VERAPAMIL	Injection: 5mg/2mLs
12.3 ANTIHYPERTENSIVE MEDICINES	
12.3.1 DIURETICS	
FUROSEMIDE	Injection: 10mg/mL Oral Liquid: 10mg/mL Tablet: 40mg
HYDROCHLOROTHIAZIDE	Tablet: 25mg

SPIRONOLACTONE*	Tablet: 25mg <i>*Potassium-sparing diuretic</i>
TRIAMTERENE* + HYDROCHLOROTHIAZIDE	Tablet: 75mg + 50mg <i>*Potassium-sparing diuretic</i>
12.3.2 BETA BLOCKERS	
ATENOLOL	Tablet: 50mg
BISOPROLOL	Tablet: 2.5mg, 5mg
LABETALOL	Injection: 100mg/20mLs
PROPRANOLOL	Injection: 1mg/mL
12.3.3 ANGIOTENSIN CONVERTING ENZYME (ACE) INHIBITORS	
ENALAPRIL (ER)	Tablet: 5mg, 10mg
CAPTOPRIL	Tablet: 25mg
12.3.4 CALCIUM CHANNEL BLOCKERS (CCBs)	
AMLODIPINE	Tablet: 5mg, 10mg
DILTIAZEM	Tablet: 60mg
NIFEDIPINE PA	Capsule: 10mg* Tablet: 20mg <i>*For sublingual administration</i>
12.3.5 VASODILATORS	
HYDRALAZINE	Injection: 20mg/mL Tablet: 25mg
12.3.6 ANGIOTENSIN II RECEPTOR BLOCKERS (ARBs)	
LOSARTAN	Tablet: 25mg, 50mg
12.3.7 CENTRALLY ACTING ANTIHYPERTENSIVES	
CLONIDINE	Tablet: 0.1mg, 0.3mg
METHYLDOPA	Tablet: 250mg
12.3.8 COMBINATIONS	
TRIAMTERENE* + HYDROCHLOROTHIAZIDE	Tablet: 75mg + 50mg <i>*Potassium-sparing diuretic</i>
12.4 MEDICINES USED IN HEART FAILURE	
BISOPROLOL	Tablet: 2.5mg, 5mg
CAPTOPRIL	Tablet: 25mg
DIGOXIN	Injection: 250mcg/mL Oral Liquid: 50mcg/mL Tablet: 125mcg, 250mcg
DOBUTAMINE	Injection: 250mg/20mLs
DOPAMINE	Injection: 40mg/mL
ENALAPRIL ER	Tablet: 5mg, 10mg
FUROSEMIDE	Injection: 10mg/mL Oral Liquid: 10mg/mL Tablet: 40mg
HYDROCHLOROTHIAZIDE	Tablet: 25mg

SPIRONOLACTONE*	Tablet: 25mg <i>*Potassium-sparing diuretic</i>
VASOPRESSIN	Injection: 20units/mL
12.5 ANTITHROMBOTIC MEDICINES	
12.5.1 ANTIPLATELETS	
ASPIRIN (Other generic name – ASA : ACETYL SALICYLIC ACID)	Tablet: 81mg
CLOPIDOGREL	Tablet: 75mg
DIPYRIDAMOLE	Tablet: 25mg, 50mg
12.5.2 THROMBOLYTICS	
ALTEPLASE	Injection: 100mg/Vial
STREPTOKINASE	Injection: 1,500,000 IU/Vial
12.6 LIPID-LOWERING AGENTS	
ATORVASTATIN	Tablet: 10mg, 40mg
FENOFIBRATE	Capsule: 200mg
SIMVASTATIN	Tablet: 20mg
13.0 DERMATOLOGICAL MEDICINES (Topicals)	
13.1 ANTIFUNGAL MEDICINES	
CLOTRIMAZOLE CREAM	Cream: 1%
MICONAZOLE*	Cream: 2% <i>*For vaginal use</i>
KETOCONAZOLE	Cream: 2% Tablet: 200mg
13.2 ANTI-INFECTIVE MEDICINES	
BACTIRACIN	Cream: 500units/g
BACITRACIN + NEOMYCIN + POLYMXIN	Ointment: 400U + 3.5mg + 5000U/g (Triple Antibiotic)
SILVER SULFADIAZINE	Cream: 1%
13.3 ANTI-INFLAMMATORY AND ANTIPRURITIC MEDICINES	
BETAMETHASONE	Ointment: 0.05%
HYDROCORTISONE	Cream: 1%
TRIAMCINOLONE	Cream: 0.1%
CALAMINE	Lotion: 8%
PHENYLEPHRINE (ANTI-HEMORRHOIDAL)	Suppository: 0.25%
13.4 MEDICINES AFFECTING SKIN DIFFERENTIATION AND PROLIFERATIONS	
COAL TAR	Shampoo: 0.5%
IMIQUMOD	Cream: 5%
UREA	Cream: 10%
13.5 SCABICIDES AND PEDICULICIDES	
PERMETHRIN	Lotion: 5% (Anti-scabies) Shampoo: 1% (Anti-lice)

13.6 ANAESTHETICS	
LIDOCAINE (Other generic name – LIGNOCAINE)	Gel: 2% Oral Liquid: 2% (Viscous) Oral Spray: 4%
13.7 EMOLLIENTS	
ZINC OXIDE	Cream: 20%
13.8 WARTS AND CALLUSES	
SILVER NITRATE	Sticks: 75%
IMIQUIMOD*	Cream: 5% *Also for external genital and perianal application
14.0 DIURETICS	
FUROSEMIDE	Injection: 10mg/mL Oral Liquid: 10mg/mL Tablet: 40mg
HYDROCHLOROTHIAZIDE	Tablet: 25mg
MANNITOL	Injection: 20%
SPIRONOLACTONE*	Tablet: 25mg *Potassium-sparing diuretic
TRIAMTERENE* + HYDROCHLOROTHIAZIDE	Tablet: 75mg + 50mg *Potassium-sparing diuretic
15.0 EAR, NOSE AND THROAT MEDICINES	
15.1 EAR MEDICINES	
GENTAMYCIN	Ear Drop: 0.3%
CIPROFLOXACIN	Ear Drop: 0.2%
NEOMYCIN + POLYMXIN B + HYDROCORTISONE	Ear Drop: 3.5mg+10,000U+1% /mL (Corticosporin)
15.2 NASAL MEDICINES	
15.2.1 ANTI-INFLAMMATORY	
BECLOMETHASONE	Nasal Spray: 100mcg/spray
15.2.2 DECONGESTANTS	
SODIUM CHLORIDE	Nasal Drop/Spray: 0.65%
15.3 THROAT MEDICINES	
LIDOCAINE (Other generic name – LIGNOCAINE)	Oral Liquid: 2% (Viscous) Oral Spray: 4%
16.0 ENDOCRINE DISORDER MEDICINES, HORMONES, CONTRACEPTIVES AND OTHERS	
16.1 ANDROGENS	
DANAZOL	Capsule: 200mg
16.2 CONTRACEPTIVES	
16.2.1 ORAL HORMONAL CONTRACEPTIVES	
LEVONORGESTREL	Tablet: 30mcg (Microlut), 75mcg* *ECP – Emergency contraceptive pill

LEVONORGESTREL + ETHINYL ESTRADIOL	Tablet: 150mcg + 30mcg (<i>Microgynon</i>)
16.2.2 INJECTABLE HORMONAL CONTRACEPTIVES	
MEDROXYPROGESTERONE	Injection: 150mg/mL (<i>Depo-Provera</i>)
16.2.3 INTRAUTERINE DEVICES (IUD)	
COPPER-RELEASING	IUD: TCu380A (<i>Copper-T</i>)
LEVONORGESTREL	IUD: 52mg (<i>Mirena</i>)
16.2.4 BARRIER METHODS AND ACCESSORIES	
CONDOMS	Condoms: Female, Male
CONDOM LUBRICANT	Sachets: 4.5g
16.2.5 IMPLANTABLE CONTRACEPTIVES	
LEVONORGESTREL	Rods: 2 x 75mg (<i>Jadelle</i>)
16.3 CORTICOSTEROIDS	
DEXAMETHASONE	Injection: 4mg/mL Tablet: 4mg
METHYLPREDNISOLONE	Injection: 5mg/mL
PREDNISONE	Oral Liquid: 15mg/5mLs Tablet: 5mg, 20mg
TRIAMCINOLONE	Injection: 40mg/mL
16.4 INSULINS AND OTHER MEDICINES USED IN DIABETES MANAGEMENT	
16.4.1 INSULINS	
INSULIN REGULAR	Injection: 100U/mL
INSULIN ISOPHANE NPH	Injection: 100U/mL
INSULIN ISOPHANE NPH + REGULAR	Injection: 70%+30% 100U/mL
16.4.2 SULPHONYLUREAS	
GLIPIZIDE	Tablet: 5mg
GLYBURIDE (Other generic name – GLIBENCLAMIDE)	Tablet: 5mg
TOLBUTAMIDE	Tablet: 500mg
16.4.3 BIGUANIDES	
METFORMIN	Tablet: 500mg
16.4.4 DIPEPTIDYL PEPTIDASE IV (DPP-4) INHIBITORS	
SITAGLIPTIN	Tablet: 50mg
16.4.5 ALPHA-GLUCOSIDASE INHIBITORS	
ACARBOSE	Tablet: 50mg, 100mg
16.4.6 HYPOGLYCAEMIC TREATMENT	
DEXTROSE	Injection: 50%
16.5 ESTROGEN	
ESTROGEN (CONJUGATED)	Tablet: 0.625mg
16.6 OVULATION INDUCERS (ESTROGEN RECEPTOR MODULATOR)	

CLOMIPHENE	Tablet: 50mg
16.7 PROGESTOGENS	
MEDROXYPROGESTERONE	Tablet: 2.5mg, 10mg
16.8 THYROID HORMONES AND ANTITHYROID MEDICINES	
16.8.1 THYROID HORMONE	
LEVOTHYROXINE	Tablet: 100mcg
16.8.2 ANTITHYROID DRUGS	
METHIMAZOLE	Tablet: 10mg
16.9 OTHER ENDOCRINE DRUGS	
BROMOCRIPTINE	Tablet: 2.5mg
VASOPRESSIN	Injection: 20mg/mL
17.0 GASTROINTESTINAL MEDICINES	
17.1 ANTIULCER MEDICINES	
17.1.1 ANTACIDS	
ALUMINUM HYDROXIDE + MAGNESIUM HYDROXIDE + SIMETHICONE (MAALOX)	Mixture: 200mg + 200mg + 20mg/5mLs
SODIUM BICARBONATE	Tablet: 650mg
17.1.2 HISTAMINE (H2) RECEPTOR ANTAGONISTS	
FAMOTIDINE	Tablet: 20mg
RANITIDINE	Injection: 50mg/2mLs
17.1.3 PROTON PUMP INHIBITORS	
OMEPRazole	Capsule: 20mg
17.2 ANTIEMETIC MEDICINES	
MECLIZINE	Tablet: 25mg
METOCLOPRAMIDE	Injection: 10mg/2mLs Tablet: 10mg
PROMETHAZINE	Injection: 25mg/mL Oral Liquid: 6.25mg/5mLs Suppository: 12.5mg Tablet: 25mg
17.3 LAXATIVES	
17.3.1 STIMULANT LAXATIVES	
BISACODYL	Suppository: 10mg Tablet: 5mg
17.3.2 STOOL SOFTENERS	
DOCUSATE	Capsule: 100mg
GLYCERIN	Suppository: 1g (1000mg)
17.3.3 OSMOTIC LAXATIVES	
LACTULOSE	Oral Liquid: 10g/15mLs
SODIUM PHOSPHATE (Monobasic Sodium Phosphate + Dibasic Sodium Phosphate)	Enema: 19g + 7g / 118mLs (Fleet)

17.4 MEDICINES USED IN DIARRHEA	
17.4.1 ANTIDIARRHEAL AGENTS	
LOPERAMIDE	Capsule: 2mg
17.4.2 ORAL REHYDRATION SALTS	
ORAL REHYDRATION SALTS (ORS)	Powder: 1 sachet/250mLs water
17.5 DRUGS ALTERING GASTRO-INTESTINAL MOTILITY	
METOCLOPRAMIDE	Injection: 10mg/2mLs Tablet: 10mg
18.0 IMMUNOLOGICALS (Vaccines & Immunoglobulins)	
18.1 DIAGNOSTIC AGENT	
TUBERCULIN PPD	Injection: 5 TU/0.1mL
18.2 SERA AND IMMUNOGLOBULINS	
HEPATITIS B IMMUNOGLOBULIN (HBIG)	Injection: 100IU/0.5mL
NORMAL / HUMAN IMMUNOGLOBULIN	Injection: 10% Intravenous (IVIG), 16% Intramuscular (IMIG)
Rho (D) IMMUNOGLOBULIN (ANTI-D)	Injection: ≥1500 IU (≥300mcg)/single dose
18.3 VACCINES	
18.3.1 ADULT VACCINES	
HEPATITIS B VACCINE (HepB)	Injection
HUMAN PAPILLOMAVIRUS (HPV)	Injection
INFLUENZA VACCINE (Flu)	Injection
PNEUMOCOCCAL (PPSV23)	Injection
ROTAVIRUS VACCINE (RV)	Oral Liquid
TETANUS + DIPHTHERIA + ACELLULAR PERTUSSIS (Tdap)	Injection
TETANUS + DIPHTHERIA (Td)	Injection
18.3.2 CHILDRENS VACCINES	
DIPHTHERIA + TETANUS + ACELLULAR PERTUSSIS (DTaP)	Injection
HAEMOPHILUS B INFLUENZAE (HIB)	Injection
HEPATITIS B VACCINE (HepB)	Injection
MEASLES/MUMPS/RUBELLA (MMR)	Injection
PNEUMOCOCCAL (PCV13)	Injection
POLIO (IPV)	Injection
18.3.3 COMBINED VACCINES	
DTaP + HepB + IPV (<i>Pediarix</i>)	Injection
19.0 JOINTS - MEDICINES FOR DISEASE OF THE JOINTS	
19.1 DISEASE - MODIFYING AGENTS IN RHEUMATOID DISORDERS (DMARDs)	
METHOTREXATE	Tablet: 2.5mg
19.2 MEDICINES USED TO TREAT GOUT	

ALLOPURINOL	Tablet: 100mg
COLCHICINE	Tablet: 0.5mg
19.3 JUVENILE JOINT DISEASE	
ASPIRIN (Other generic name – ASA : ACETYL SALICYLIC ACID)	Tablet: 325mg
20.0 MUSCLE RELAXANTS (PERIPHERALLY-ACTING) AND CHOLINESTERASE INHIBITORS	
20.1 MUSCLE RELAXANTS	
DIAZEPAM	Injection: 5mg/mL Tablet: 5mg
CYCLOBENZAPRINE	Tablet: 10mg
20.2 CHOLINESTERASE INHIBITORS	
NEOSTIGMINE	Injection: 1mg/mL
21.0 NUTRITION	
21.1 PROTEIN	
AMINO ACID	Injection: 8.5% (500mLs)
21.2 CARBOHYDRATE	
DEXTROSE	Injection: 5% (1000mLs), 10% (500mLs), 50% (50mLs)
21.3 LIPID	
FAT EMULSION	Injection: 10% (500mLs)
22.0 OBSTETRIC, GYNECOLOGICAL AND NEONATAL CARE MEDICINES	
22.1 OXYTOCICS	
METHYLERGONOVINE (Other generic name – METHYLERGOMETRINE)	Injection: 0.2mg/mL
MISOPROSTOL	Tablet: 200mcg
OXYTOCIN	Injection: 10units/mL
22.2 ANTIOXYTOCICS (TOCOLYTICS)	
NIFEDIPINE SL*	Capsule: 10mg *For sub-lingual use
TERBUTALINE	Injection: 1mg/mL Tablet: 5mg
22.3 VAGINAL AND VULVAL CONDITIONS TREATMENT	
22.3.1 CANDIDIASIS MEDICINES	
MICONAZOLE*	Cream: 1% *Vaginal application
22.3.2 VAGINAL ATROPHY MEDICINES	
OESTROGEN - CONJUGATED	Tablet: 0.625mg
22.4 OTHERS	
MAGNESIUM SULPHATE	Injection: 50%
VITAMINS - PRENATAL	Tablet: multiviatmins
22.5 NEONATAL CARE MEDICATION	
BERACTANT*	Oral Liquid: 25mg/mL *Pulmonary surfactant

ERYTHROMYCIN	Eye Ointment: 0.5%
HEPATITIS B IMMUNOGLOBULIN (HBIG)	Injection: 100IU/0.5mL
PHYTONADIONE (<i>Vitamin K₁</i>) (Other generic name – PHYTOMENADIONE)	Injection: 1mg/0.5mL
23.0 OPHTHALMOLOGICAL (EYE) PREPARATIONS	
23.1 ANTI-INFECTIVE AGENTS	
ERYTHROMYCIN	Ointment: 0.5%
GENTAMICIN	Eye Drops: 0.3%
SULFACETAMIDE	Eye Drops: 10%
23.2 ANTI-INFLAMMATORY AGENTS	
PREDNISOLONE	Eye Drops: 1%
23.3 ANAESTHETICS	
TETRACAINE	Eye Drops: 0.5%
23.4 DIAGNOSTICS	
FLUORESCENCE	Strips: 1mg
23.5 LUBRICANT	
POLYVINYL ALCOHOL (Artificial Tears)	Eye Drops: 1.4%
23.6 MIOTIC AND ANTIGLAUCOMA MEDICINES	
23.6.1 BETA-BLOCKERS	
TIMOLOL	Eye Drops: 0.5%
23.6.2 CARBONIC ANHYDRASE INHIBITORS	
ACETAZOLAMIDE	Tablet: 250mg
23.6.3 PARASYMPATHETIC (CHOLINERGIC) AGONISTS	
PILOCARPINE	Eye Drops: 2%, 4%
23.7 MYDRIATICS	
ATROPINE	Eye Drops: 1%
CYCLOPENTOLATE	Eye Drops: 1%
23.8 VASOCONSTRICTORS	
PHENYLEPHRINE	Eye Drops: 2.5%
24.0 PSYCHOTHERAPEUTICS AND OTHER BEHAVIOURAL HEALTH MEDICINES	
24.1 MEDICINES USED IN PSYCHOTIC DISORDERS	
24.1.1 PHENOTHIAZINES	
CHLORPROMAZINE	Injection: 25mg/mL Tablet: 25mg, 100mg
FLUPHENAZINE	Injection: 25mg/mL (Decanoate)* Tablet: 2mg, 5mg <i>*Long acting</i>
24.1.2 BUTYROPHENONES	
HALOPERIDOL	Injection: 5mg/mL, 50mg/mL (Decanoate)* Tablet: 2.5mg, 5mg, 10mg <i>*Long acting</i>

24.1.3 ATYPICAL ANTIPSYCHOTICS	
RISPERIDONE	Injection: 25mg (Decanoate)* Tablet: 1mg, 2mg <i>*Long acting</i>
OLANZAPINE	Injection: 10mg Tablet: 5mg, 10mg, 15mg
24.1.4 MEDICINES TO REDUCE EXTRAPYRIMIDAL EFFECTS	
BENZTROPINE	Injection: 2mg/2mLs Tablet: 2mg
24.2 MEDICINES USED IN MOOD DISORDERS	
24.2.1 MEDICINES USED IN DEPRESSIVE DISORDERS	
24.2.1.1 Tricyclic Anti-Depressants (TCA)	
AMITRIPTYLLINE	Tablet: 25mg
IMIPRAMINE	Tablet: 10mg, 25mg
24.2.1.2 Selective Serotonin Re-uptake Inhibitors (SSRI)	
FLUOXETINE	Capsule: 20mg
SERTRALINE	Tablet: 50mg
24.2.2 MEDICINES USED IN BIPOLAR DISORDERS	
CARBAMAZEPINE	Oral Liquid: 100mg/5mLs Tablet: 100mg, 200mg
LITHIUM CARBONATE	Capsule: 300mg
SODIUM VALPROATE	Oral Liquid: 200mg/5mLs Tablet: 200mg
24.3 MEDICINES USED IN ANXIETY DISORDERS	
CLONAZEPAM	Tablet: 0.5mg, 2mg
DIAZEPAM	Injection: 5mg/mL Tablet: 5mg
LORAZEPAM	Tablet: 1mg
24.4 MEDICINES USED FOR OBSESSIVE COMPULSIVE DISORDERS	
ESCITALOPRAM	Tablet: 10mg
FLUOXETINE	Capsule: 20mg
SERTRALINE	Tablet: 50mg
24.5 ATTENTION DEFICIT DISORDER	
METHYLPHENIDATE	Tablet: 10mg
24.6 SEDATIVE HYPNOTICS	
ZOPICLONE	Tablet: 7.5mg
24.7 MEDICINES FOR DISORDERS DUE TO PSYCHOACTIVE SUBSTANCE ABUSE	
BUPROPION ER*	Tablet: 100mg* , 150mg* <i>*ER - extended release</i>
CLONIDINE	Tablet: 0.1mg, 0.3mg

25.0 RESPIRATORY TRACT DISEASE MEDICINES

25.1 ANTI-ASTHMATIC AND MEDICINES FOR CHRONIC OBSTRUCTIVE PULMONARY DISEASES

25.1.1 BRONCHODILATORS

25.1.1.1 Beta-2 Receptor Agonists

ALBUTEROL	Inhalation: 100mcg (MDI) Nebulising Solution: 0.083% (Premixed), 0.5% Oral Liquid: 2.5mg/ 5mLs Tablet: 4mg
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25.1.1.2 Anticholinergics

IPRATROPIUM BROMIDE	Nebulising solution: 0.02% (0.5mg/2.5mLs)
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25.1.1.3 Methylxanthines

AMINOPHYLLINE	Injection: 250mg/10mLs
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DOXOFYLLINE	Tablet: 400mg
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25.1.2 ANTI-INFLAMMATORY

BECLOMETHASONE	Inhaler: 100mcg (MDI)
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DEXAMETHASONE	Injection: 4mg/mL Tablet: 4mg
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METHYLPREDNISOLONE	Injection: 5mg/mL
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PREDNISONE	Oral Liquid: 15mg/5mLs Tablet: 5mg , 20mg
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25.1.3 COMBINATIONS (BETA-2 AGONIST + STEROID)

SALMETEROL + FLUTICASONE	Inhalation: 50mcg + 250mcg
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25.1.4 OTHER ANTI-ASTHMATIC MEDICINES

EPINEPHRINE	Injection: 1:1000 (1mg/mL)
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25.1.5 DRUG DELIVERY DEVICE

AEROCHAMBER	Sizes: Children , Adults
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26.0 URINARY TRACT DISORDER MEDICINES

26.1 URINARY RETENTION

BETHANICOL	Tablet: 25mg
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26.2 URINARY INCONTINENCE

OXYBUTYNIN	Tablet: 5mg
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26.3 NOCTURNAL ENURESIS

IMIPRAMINE	Tablet: 10mg, 25mg
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26.4 PROSTATE HYPERPLASIA

FINASTERIDE	Tablet: 5mg
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TERAZOSIN	Capsule: 2mg, 5mg
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26.5 UROLOGICAL PAIN

PHENAZOPYRIDINE	Tablet: 100mg
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26.6 URINARY ALKALINISERS

POTASSIUM CITRATE	Tablet: 1080mg (K ⁺ = 10mEq)
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SODIUM BICARBONATE	Tablet: 650mg
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27.0 WATER CORRECTION, ELECTROLYTE AND ACID-BASE DISTURBANCE AND OTHER RELATED MEDICINES

27.1 ORAL

ORAL REHYDRATION SALTS (ORS)	Powder: for dilution in 250mLs water
CALCIUM CARBONATE	Tablet: 1250mg (Calcium - 500mg)
POTASSIUM CHLORIDE	Oral Liquid: 20mEq/15mLs Tablet: 600mg (K ⁺ = 8mEq)
SODIUM BICARBONATE	Tablet: 650mg
SODIUM POLYSTYRENE SULFATE	Oral Liquid: 15g/60mLs

27.2 PARENTERAL

BALANCED MULTIPLE MAINTENANCE SOLUTION + DEXTROSE*	Injection: Multiple electrolytes + 5% (500mLs) *1000mLs contains: Sodium (25mmol), Potassium(20mmol), Magnesium (1.5mmol), Acetate (23mmol), Chloride (22mmol), Phosphate (3mmol) + Dextrose (50g)
CALCIUM CHLORIDE	Injection: 10% (10mLs)
CALCIUM GLUCONATE	Injection: 10% (10mLs)
DEXTROSE	Injection: 5% (1000mLs) , 10% (500mLs), 50% (50mLs)
DEXTROSE + LACTATED RINGERS (D5LR)	Injection: 5% + Lactated Ringers (1000mLs)
DEXTROSE + SODIUM CHLORIDE	Injection: 5% + 0.45% (D5/0.45) - 1000mLs, 5% + 0.9% (D5NS) - 1000mLs
LACTATED RINGERS (LR) SOLUTION	Injection: 1000mLs
POTASSIUM CHLORIDE	Injection: 40mEq/20mLs
SODIUM BICARBONATE	Injection: 8.4% (84mg/mL) - 50mLs
SODIUM CHLORIDE	Injection: 0.45% (1L), 0.9% (10mLs, 100mLs, 1L), 23.4% (20mLs)

27.3 MISCELLANEOUS

SODIUM CHLORIDE	Irrigation Solution: 0.9% (1000mLs)
STERILE WATER	Injection: 10mLs (WFI – Water for injection) Irrigation solution: 1000mLs

28.0 VITAMINS AND MINERALS

28.1 MINERALS

CALCIUM CARBONATE	Tablet: 1250mg (Calcium - 500mg)
CALCIUM CHLORIDE	Injection: 10% (10mLs)
CALCIUM GLUCONATE	Injection: 100mg/mL
FERROUS SULPHATE	Oral Drops: 75mg/mL (15mg iron) Tablet: 325mg (65mg elemental Iron)
FLOURIDE	Oral Drops: 1mg/4drops

28.2 VITAMINS

CALCITRIOL (Vitamin D ₃)	Capsule: 0.25mcg
FOLIC ACID (Vitamin B ₉)	Injection: 5mg/mL Tablet: 1mg

HYDROXOCOBALAMIN (<i>Vitamin B₁₂</i>)	Injection: 100mg/mL
MULTIVITAMINS	Oral Liquid: Pediatric drops Tablet: Adult, Children (chewable), Prenatal
PHYTONADIONE (<i>Vitamin K₁</i>) (<i>Other generic name – PHYTOMENADIONE</i>)	Injection: 1mg/0.5mL, 10mg/mL
PYRIDOXINE (<i>Vitamin B₆</i>)	Injection: 100mg/mL Tablet: 50mg
THIAMINE (<i>Vitamin B₁</i>)	Injection: 100mg/mL Tablet: 100mg

APPENDIX ONE : PEDIATRIC DOSING TABLES

<u>ACETAMINOPHEN: 10 - 20mg/kg/dose every 4 hours</u> 160mg/5mLs syrup and 80mg chewable tablets <i>Dosage based on 15mg/kg/dose and round chewable tablets to the nearest half of a tablet</i>				
Wt (lbs)	Wt (kg)	Dose (mg) Q4h	Dose (mLs) Q4h	Chewable Tab Q4h
10	4.5	68	2.1	0.8
15	6.8	102	3.2	1.3
20	9.1	137	4.3	1.7
25	11.4	171	5.3	2.1
30	13.6	204	6.4	2.6
35	15.9	239	7.5	3.0
40	18.2	273	8.5	3.4
45	20.5	308	9.6	3.8
50	22.7	341	10.6	4.3

<u>ALBUTEROL: 0.3mg/kg/24 hours given TID</u> 2mg/5mLs Suspension			
Wt (lbs)	Wt (kg)	Dose (mg) Q8h	Dose (mLs) Q8h
10	4.5	0.5	1.1
15	6.8	0.7	1.7
20	9.1	0.9	2.3
25	11.4	1.1	2.8
30	13.6	1.4	3.4
35	15.9	1.6	4.0
40	18.2	1.8	4.5
45	20.5	2.0	5.1
50	22.7	2.3	5.7

AMOXICILLIN: 20 - 50mg/kg/24 hours divided by Q8h

250mg/5mLs Suspension

Dosage based on 50mg/kg/24 hours and 80mg/kg/24 hours for otitis media

Wt (lbs)	Wt (kg)	Dose (mg) Q8h	Dose (mLs) Q8h
10	4.5	76	1.5
15	6.8	114	2.3
20	9.1	152	3.0
25	11.4	189	3.8
30	13.6	227	4.5
35	15.9	265	5.3
40	18.2	303	Capsule
45	20.5	341	Capsule
50	22.7	379	Capsule

CEPHALEXIN and PENICILLIN V: 25 - 50mg/kg/24 hours divided by Q6h

250mg/5mLs Suspension

Dosage based on 50mg/kg/24 hours. Can be increased to 100mg/kg/24 hours in severe infection

Wt (lbs)	Wt (kg)	Dose (mg) Q6h	Dose (mLs) Q6h
10	4.5	57	1.1
15	6.8	85	1.7
20	9.1	114	2.3
25	11.4	142	2.8
30	13.6	170	3.4
35	15.9	199	4.0
40	18.2	227	4.5
45	20.5	256	5.1
50	22.7	284	5.7

DIPHENHYDRAMINE: 50mg/kg/24 hours divided by Q6h

12.5mg/5mLs Oral Liquid

Wt (lbs)	Wt (kg)	Dose (mg) Q6h	Dose (mLs) Q6h
10	4.5	5.7	2.3
15	6.8	8.5	3.4
20	9.1	11.4	4.5
25	11.4	14.2	5.7
30	13.6	17.0	6.8
35	15.9	19.9	8.0
40	18.2	22.7	9.1
45	20.5	25.6	10.2
50	22.7	28.4	11.4

ERYTHROMYCIN: 30 - 50mg/kg/24 hours divided by Q6h

200mg/5mLs Suspension

Dosage based on 50mg/kg/24 hours

Wt (lbs)	Wt (kg)	Dose (mg) Q4-6h	Dose (mLs) Q4-6h
10	4.5	57	1.4
15	6.8	85	2.1
20	9.1	114	2.8
25	11.4	142	3.6
30	13.6	170	4.3
35	15.9	199	5.0
40	18.2	227	5.7
45	20.5	256	6.4
50	22.7	284	7.1



HYDROXYZINE: 2mg/kg/24 hours divided by Q6h

10mg/5mLs Oral Liquid

Wt (lbs)	Wt (kg)	Dose (mg) Q6h	Dose (mLs) Q6h
10	4.5	2.3	1.1
15	6.8	3.4	1.7
20	9.1	4.5	2.3
25	11.4	5.7	2.8
30	13.6	6.8	3.4
35	15.9	8.0	4.0
40	18.2	9.1	4.5
45	20.5	10.2	5.1
50	22.7	11.4	5.7

PROMETHAZINE: 0.25 - 0.5mg/kg/24 hours – Nausea and Vomiting

6.25mg/5mLs Oral Liquid and 12.5mg Suppository

Wt (lbs)	Wt (kg)	Dose (mg) Q4-6h	Dose (mLs) Q4-6h
10	4.5	2.3	1.8
15	6.8	3.4	2.7
20	9.1	4.5	3.6
25	11.4	5.7	4.5
30	13.6	6.8	5.5
35	15.9	8.0	6.4
40	18.2	9.1	7.3
45	20.5	10.2	8.2
50	22.7	11.4	9.1

<u>PSEUDOEPHEDRINE: 4mg/kg/24 hours divided by Q6h</u> 30mg/5mLs Oral Liquid			
Wt (lbs)	Wt (kg)	Dose (mg) Q6h	Dose (mLs) Q6h
10	4.5	4.5	0.8
15	6.8	6.8	1.1
20	9.1	9.1	1.5
25	11.4	11.4	1.9
30	13.6	13.6	2.3
35	15.9	15.9	2.7
40	18.2	18.2	3.0
45	20.5	20.5	3.4
50	22.7	22.7	3.8

<u>SULPHAMETHOXAZOLE/TRIMETHOPRIM: 10mg/kg/day TMP Divided by Q12h</u> 200mg/40mg/5mLs Suspension			
Wt (lbs)	Wt (kg)	Dose (mg) Q12h	Dose (mLs) Q12h
10	4.5	22.7	2.8
15	6.8	34.1	4.3
20	9.1	45.5	5.7
25	11.4	56.8	7.1
30	13.6	68.2	8.5
35	15.9	79.5	9.9
40	18.2	90.9	11.4
45	20.5	102.3	12.8
50	22.7	113.6	14.2



FERROUS SULFATE (0.6mL = 15mg of elemental iron)

Iron Deficiency Anemia: 3-6 mg elemental iron/kg/24 hours (divided by QD to TID)

Prophylaxis: 1-2 mg elemental iron/kg/24 hours (divided by QD to TID)

METRONIDAZOLE (200mg/ 5mL Suspension)

Amebiasis: 35-50 mg/kg/24 hours (given q8h for 10 days)

Giardiasis: 15mg/kg/24 hours (given q8h for 10 days)

APPENDIX TWO : AVERAGE WEIGHT AND HEIGHT FOR AGE

AVERAGE WEIGHT AND HEIGHT ACCORDING TO AGE FOR CHILDREN			
**This table shows weight for age and height for age estimates derived from two growth charts: i) World Health Organisation (WHO) 2006 for children aged 0-5years and ii) The US Centres for Disease Control and Prevention (CDC) 2000 for children above 5 years. The values below, based on the 50th centile of the respective growth charts, serves as a reference only but may be used to calculate drug doses if actual measurements are unknown			
Age	Weight (kg)	Wt (lbs)	Height (cm)
Birth (at term)	3.3	7.2	50
1 month	4.4	9.7	55
2 months	5.4	11.9	58
3 months	6.1	13.4	61
4 months	6.7	14.7	63
6 months	7.6	16.7	67
1 year	9	19.8	75
2 years	12	26.4	87
3 years	14	30.8	96
4 years	16	35.2	103
5 years	18	39.6	110
6 years	21	46.2	115
8 years	25	55.1	127
10 years	33	72.7	139
12 years	41	90.3	150
14 year-old boy	51	112.4	164
14 year-old girl	50	110.2	160

**Adapted from the Australian Medicines Handbook (AMH) 2015





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Methylprednisolone 125mg /Vial Injection	24,30
Metoclopramide 10mg Tablet	26
Metoclopramide 5mg /mL Injection	26
Metronidazole 200mg/5mLs Oral Liquid	16,18
Metronidazole 250mg Tablet	16,18
Metronidazole 500mg Injection	16,18
Miconazole Vaginal 2% Cream	17,22,27
Midazolam 10mg/mL Injection	11,13
Misoprostol 200mcg Tablet	27
Morphine 10mg CR Capsule	11,12
Morphine 10mg/mL Injection	11,12
Morphine 30mg CR capsule	11,12
Multivitamins Tablet.....refer to <i>Vitamins</i>	
N	
Nafcillin Sodium 1gram/vial Injection	14
Naloxone 400 mcg Injection	13
Naproxen 500mg Tablet	12
Neomycin + Polymixin B + Hydrocortisone Otic (Ear) Drop	23
Neomycin 500mg Tablet	15
Neostigmine 1mg Injection	13,27
Nevirapine 200mg Tablet	18
Nevirapine 50mg/5mLs Oral Liquid	18
Nifedipine 10mg Capsule	21,27
Nifedipine 20mg ER Tablet	21
Nitrofurantoin 50mg/5mLs Oral Liquid	16
Nitrofurantoin 100mg Tablet	16
Nitroglycerin 2% Ointment	20
Nitroglycerin 400mcg (0.4mg) Tablet	20
Nystatin 100,000U/mL Oral Liquid	17
O	
Olanzapine 10mg Injection	29
Olanzapine 10mg Tablet	29
Olanzapine 15mg Tablet	29

Olanzapine 5mg Tablet	29
Omeprazole 20mg Capsule	25
Oral Rehydration Salts	26,31
Oseltamivir 12mg/mL Oral Liquid	18
Oseltamivir 30mg Capsule	18
Oseltamivir 75mg Capsule	18
Oxybutynin 5mg Tablet	30
Oxycodone 10mg Capsule	12
Oxytocin 10IU/mL Injection	27
P	
Penicillin G (Benzyl penicillin) Sodium 5MU Injection	14
Penicillin G Benzathine 1.2MU Injection	14
Penicillin VK 250mg Tablet	14
Penicillin VK 250mg/5mLs Oral Liquid	14
Permethrin 1% Shampoo	22
Permethrin 5% Lotion	22
Phenazopyridine 100mg Tablet	30
Phenobarbital 130mg/mL Injection	13
Phenobarbital 20mg/5mLs Oral Liquid	13
Phenobarbital 30mg Tablet	13
Phenylephrine 0.25% Suppositoryrefer to Anti-hemorrhoid Suppository	
Phenylephrine 2.5% Ophthalmic (Eye) Drop	28
Phenyton 100mg Capsule	13
Phenyton 50mg/mL Injection	13
Phenytoin 125mg/5mLs Oral Liquid	13
Phenytoin 50mg Chewable Tablet	13
Phytonadione (Vitamin K ₁) 10mg/mL Injection	13,19,32
Phytonadione (Vitamin K ₁) 1mg/0.5mL Injection	13,19,27,32
Pilocarpine 2% Ophthalmic (Eye) Drops	28
Pilocarpine 4% Ophthalmic (Eye) Drops	28
Piroxicam 10mg Capsule	12
Pneumococcal (adult) PPSV23 Vaccine - Injection	26
Pneumococcal (child) PCV13 Vaccine - Injection	26
Polio Vaccine (IPV) Injection	26
Polyvinyl Alcohol 1.4% Ophthalmic (Eye) Drop.....refer to Eye Lubricant	28
Potassium Chloride 20mEq/15mLs Oral Liquid	31
Potassium Chloride 40mEq/20mLs Injection	31
Potassium Chloride 8mEq (600mg) Tablet	31
Potassium Citrate 10mEq (1080mg)Tablet	30
Prednisolone 15mg/5mLs Oral Liquid	13,24,30
Prednisolone 20mg Tablet	13,24,30
Prednisolone 5mg Tablet	13,24,30
Prednisone 1% Ophthalmic (Eye) Drops	28
Promethazine 12.5mg Suppository	12,25
Promethazine 25mg Tablet	12,25
Promethazine 25mg/mL Injection	12,25
Promethazine 6.25mg /5mLs Oral Liquid	12,25
Propofol 10mg/mL Injection	11
Propranolol 1mg/mL Injection	20,21
Protamine 10mg/mL Injection	13,19
Prothionamide 250mg Tablet	17

Pseudoephedrine 30mg Tablet	13
Pseudoephedrine 30mg/5mLs Oral Liquid	13
Pseudoephedrine 60mg + Triprolidine 2.5mg Tablet (<i>Actifed</i>)	13
Pyrazinamide 500mg Tablet	17
Pyridoxine (Vitamin B ₆) 100mg /mL Injection	32
Pyridoxine (Vitamin B ₆) 25mg Tablet	32
R	
Ranitidine 25mg/mL Injection	25
Rho (D) Immunoglobulin (Anti-D) Injection	20,26
Rifampicin 150mg Capsule	17
Rifampicin 300mg Capsule	17
Rifapentine 150mg Tablet	17
Risperidone 1mg Tablet	29
Risperidone 25mg/2mLs Injection	29
Risperidone 2mg Tablet	29
Rocuronium 50mg/5mLs Injection	11
Rotavirus vaccine (RV) Oral Liquid	26
S	
Salmeterol 50mcg + Fluticasone 250mcg Inhaler	30
Sertraline 50mg Tablet	29
Sevoflurane Inhalation Solution	11
Silver Nitrate Sticks	16,23
Silver Sulfadiazine 1% Cream	16,22
Simvastatin 20mg Tablet	22
Sitagliptin 50mg Tablet	24
Sodium Bicarbonate 650mg Tablet	25
Sodium Bicarbonate 8.4% 50mLs Injection	13,30,31
Sodium Chloride 0.45% 1000mLs I.V Solution	31
Sodium Chloride 0.65 % Nasal Spray	23
Sodium Chloride 0.9% (Sterile)10mLs Injection	31
Sodium Chloride 0.9% 1000mLs I.V Solution	31
Sodium Chloride 0.9% 1000mLs Irrigation Solution	31
Sodium Chloride 0.9% 100mLs Injection	31
Sodium Chloride 23.4% Injection	31
Sodium Phosphate Enema	25
Sodium Polystyrene 15g/60mLs Oral Liquid	13,31
Sodium Valproate 200mg Tablet	14,29
Sodium Valproate 200mg/5mLs Oral Liquid	14,29
Spironolactone 25mg Tablet	21,22,23
Sterile Water – Irrigation Solution	31
Sterile Water for Injection	31
Streptokinase 1,500,000 Units Injection	22
Streptomycin 1 gram/Vial Injection	17
Succinylcholine (Suxamethonium) 20mg/mL Injection	11
Sulfacetamide 10% Ophthalmic (Eye) Drop	28
Sulfamethoxazole 200mg + Trimethoprim 40mg/ 5mLs Oral Liquid	16,18
Sulfamethoxazole 800mg + Trimethoprim 160mg Tablet	16,18
T	
Tamoxifen 20mg Tablet	19
Tenofovir 300mg + Lamivudine 300mg + Efavirenz 600mg Tablet	18

Tenofovir 300mg + Lamivudine 300mg Tablet.....refer to <i>Lamivudine</i>	
Terazosin 2mg Tablet	30
Terazosin 5mg Capsule	30
Terbutaline 1mg/mL Injection	27
Terbutaline 5mg Tablet	27
Tetanus + Diphtheria toxoid + acellular Pertussis (Tdap) Injection	26
Tetanus + Diphtheria (Adult) – Td Injection	26
Tetracaine HCl 0.5% Ophthalmic (Eye) Drop	28
Thiamine (Vitamin B ₁) 100mg Injection	32
Thiamine (Vitamin B ₁) 100mg Tablet	32
Ticarcillin 3g + Clavulanic Acid 0.1g /Vial Injection	14
Timolol 0.5% Ophthalmic (Eye) Drops	28
Tobramycin 1.2g (1200mg) Injection	15
Tolbutamide 500mg Tablet	24
Tranexamic Acid 500mg Tablet	19
Triamcinolone 0.1% Cream	22
Triamcinolone Forte 40mg/mL Injection	24
Triamterene 75mg + Hydrochlorothiazide 50mg Tablet	21,23
Trimethoprim 200mg Tablet	16
Tuberculin PPD 5 TU/0.1mL Injection	26
U	
Urea 10% Cream	22
V	
Vaccine Combination - DTaP + HepB + IPV (<i>Pediarix</i>) Injection	26
Vaccines.....refer to <i>individual vaccine</i>	
Vancomycin 500mg /Vial Injection	16
Vasopressin 20 Units/mL Injection	22,25
Vecuronium 10mg /Vial Injection	11
Verapamil 5mg/2mLs Injection	
Vitamin B ₁refer to <i>Thiamine</i>	
Vitamin B ₁₂refer to <i>Hydroxocobalamin</i>	
Vitamin B ₆refer to <i>Pyridoxine</i>	
Vitamin B ₉refer to <i>Folic Acid</i>	
Vitamin D ₃refer to <i>Calcitriol</i>	
Vitamin K ₁refer to <i>Phytonadione</i>	
Vitamins (Multi) Oral Drops	32
Vitamins - Prenatal Tablet	27,32
Vitamins (Multi) Chewable Tablet / Gummies	32
Vitamins (Multi) Tablet	32
W	
Warfarin 1 mg Tablet	19
Warfarin 2 mg Tablet	19
Warfarin 5 mg Tablet	19
Water For Injection (Sterile) 50mLs.....refer to <i>Sterile Water</i>	
Water For Irrigation (Sterile) 1000mLs.....refer to <i>Sterile Water</i>	
Z	
Zidovudine 300mg + Lamivudine 150mg Tablet	18

Zidovudine 300mg Capsule	18
Zidovudine 50mg /5mLs Oral Liquid	18
Zinc Oxide Cream	23
Zopiclone 7.5mg Tablet	29



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