

WHO Model List of Essential Medicines				Updated:	05-01-16
19th list (updated) April 2015 amended June 2015					
WHO Model List of Essential Medicines for Children					
5th List (updated) April 2015, amended June 2015					
available in solid oral dosage forms					
Core medicines	first author(s)	affiliation of first authors	submission to JPS	acceptance by JPS	publication in JPS
abacavir sulfate	Nair	Uni Frankfurt (DE)			
acetazolamide	Granero	Uni Cordoba (AR)	16-Jul-07	13-Nov-07	2008; 97 (9): 3691-3699
acetylsalicylic acid	Nair	Uni Frankfurt (DE)	23-Mar-12	04-May-12	2012; 101 (8): 2653-2667
aciclovir	Bermejo	Uni Valencica (ES)	30-Jan-08	25-Feb-08	2008; 97 (12): 5061-5073
allopurinol	Granero	Uni Cordoba (AR)			
amiloride hydrochloride	Araujo & de Souza & Silva-Barcellos	Uni Ouro Preto (BR)			
amitriptyline hydrochloride	Manzo & Olivera	Uni Cordoba (AR)	08-Jun-05	08-Feb-06	2006; 95 (5): 966-973
amlodipine (maleate, mesylate or besylate)	Fotaki	Uni Bath (UK)			
amodiaquine hydrochloride	Strauch	Uni Frankfurt (DE)	05-Jun-12	13-Aug-12	2012; 101 (12): 4390-4401
amoxicillin / clavulanic acid	Galappathy	Uni Colombo (CL)	02-Feb-17		
artemether / lumefantrine	Strauch	Uni Frankfurt (DE)			
artesanate	Andreas	Uni Frankfurt (DE)			
ascorbic acid	Shawahna	An-Najah National Uni (PS)			
atazanavir sulfate	Pérez	Cuban NDRA (Havana)(CU)			
azithromycin					
benznidazole					
biperiden hydrochloride					
bisoprolol (as fumarate)	Charoo	Xepa-Soul Pattinson Sdn Bhd (MY)	10-Oct-13	20-Nov-13	2014; 103 (2): 378-391
calcium (elemental)					
carbamazepine	Langguth	Uni Mainz (DE)			
carbidopa / levodopa					
cefalexin	Andreas	Uni Frankfurt (DE)			
cefexime	Olivera	Uni Cordoba (AR)			
chloramphenicol					
chloroquine phosphate or sulphate	Verbeeck	Rhodes Uni (ZA)	19-Jul-04	21-Jan-05	2005; 94 (7): 1389-1395
chlorpromazine hydrochloride					
cholecalciferol					
ciprofloxacin hydrochloride	Manzo & Olivera	Uni Cordoba (AR)	03-Jan-10	05-May-10	2011; 100 (1): 22-33
clarithromycin					
clofazimine					
clomipramine hydrochloride					
clopidogrel					
cloxacillin (as sodium salt)	Jantravid	Mahidol University (TH)			
codeine phosphate	Dahan	Ben-Gurion University of the Negev (IL)	20-Feb-14	31-Mar-14	2014; 103 (6): 1592-1600
cyclizine					
daclastavir (as hydrochloride)					
dapsone	Ruiz	Uni Morelos (MX)			
darunavir					
dasabuvir					
dexamethasone					
diazepam	Arrunátegui & de Souza & Silva-Barcellos	Uni Ouro Preto (BR)			
diethylcarbamazine (as dihydrogen citrate)					
digoxin	Araujo & de Souza & Silva-Barcellos	Uni Ouro Preto (BR)			
dioxanide furoate					
docusate sodium					
doxycycline hyclate	Jantravid	Uni Frankfurt (DE)	16-Jul-09	24-Aug-09	2010; 99 (4): 1639-1653
efavirenz	Cristofolletti	Uni Brasilia (BR)	04-Sep-12	30-Oct-12	2013; 102 (2): 318-329
emtricitabine	Nair	Uni Frankfurt (DE)			
enalapril hydrogen maleate	Verbeeck	Rhodes Uni (ZA)			
entecavir	Barazesh & Karimi-Afshar	Tehran Uni. of Medical Sci. (IR)			
ergocalciferol					
erythromycin (as stearate, estolate or ethyl succinate)					
ethambutol hydrochloride	Becker	Uni Frankfurt (DE)	07-Feb-07	26-Apr-07	2008; 97 (4): 1350-1360
ethinylestradiol (in combination with levonorgestrel/norethisterone)					
ferrous salt					
fluconazole	Cristofolletti	Uni Brasilia (BR)	22-Jul-14	01-Sep-14	2014; 103 (12): 3843-3858
flucytosine					
fludrocortisone acetate					
fluoxetine hydrochloride	Shawahna	An-Najah National Uni (PS)			
folic acid	de Souza & Silva-Barcellos & Bellavinha	Uni Ouro Preto (BR)			
furosemide	Granero	Uni Cordoba (AR)	29-Jul-09	29-Oct-09	2010; 99 (6): 2544-2456
gliclazide					
griseofulvin	Fotaki	Uni Bath (UK)			
haloperidol					
hydralazine hydrochloride					
hydrochlorothiazide	Kortejärvi & Brits	Uni Helsinki (FI) & North-West Uni (SA)			
hydrocortisone					
ibuprofen	Pothast	BfArM (DE)	26-Jan-05	14-Jun-05	2005; 94 (10): 2121-2131
indinavir sulfate					
iodine					
isoniazid	Becker	Uni Frankfurt (DE)	27-Jun-06	10-Aug-06	2007; 96 (3): 522-531
ivermectin					
lamivudine	Strauch	Uni Frankfurt (DE)	20-Sep-10	26-Nov-10	2011; 100 (6): 2054-2063
levamisole hydrochloride	de Meijer	ACE Pharmaceuticals, Zeewolde (NL)			
levodopa (in combination with carbidopa)	Quiroga	UNLP (AR)			
levonorgestrel					
levothyroxine sodium salt	Talu	Abdi Ibrahim Ilac (TR)			
lithium carbonate					
loperamide					
lopinavir (in combination with ritonavir)					
loratadine	Dumitrascu	Labormed Pharma (RO)			
medroxyprogesterone acetate					
mefloquine hydrochloride	Strauch	Uni Frankfurt (DE)	18-Feb-10	27-Apr-10	2011; 100 (1): 11-21
metformin hydrochloride	Cheng & Chou	Chia-Nan University (TW)			
methyldopa	Shawahna & Yliperttula	Uni Helsinki (FI)			
metoclopramide hydrochloride	Stosik	Hexal (DE)	24-Jul-07	03-Nov-07	2008; 97 (9): 3700-3708
metronidazole	Redigueri	Brazilian Biowaiver Group	07-Jul-10	26-Oct-10	2011; 100 (5): 1618-1627
midazolam					
miltefosine					
misoprostol					
morphine sulfate	Shawahna & Scherrmann	Uni Paris Descartes (FR)			
neostigmine bromide					
nevirapine	Cristofolletti	Uni Brasilia (BR)			
nicotinamide					
nifedipine	Gajendran & Krämer	PHAST (DE)	19-May-15	01-Jun-15	2015; 104 (10): 3289-3298
nifurtimox					
nitrofurantoin					
nystatin					
omeprazole	Shawahna	An-Najah National Uni (PS)			
ondansetron					
oseltamivir phosphate					
paracetamol	Reppas & Kalantzi	Uni Athens (GR)	15-Apr-05	14-Aug-05	2006; 95 (1): 4-14
penicillamine					
phenobarbital					
phenoxymethylpenicillin (as potassium salt)	Galappathy	Uni Colombo (CL)			
phenytoin sodium salt	Sutherland & Figueredo	CECMED (CU)			
phytomenadione					
potassium iodide					
praziquantel	Rossi de Campos & Jung-Cook	Invitare Clin.Res.(BR)/Uni Mexico (MX)			
prednisolone	Vogt	Uni Frankfurt (DE)	07-Apr-06	27-Jul-06	2007; 96 (1): 27-37

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Core medicines						
primaquine diphosphate	Nair	Uni Frankfurt (DE)	14-Oct-11	15-Nov-11	2012; 101 (3): 936-945	
proguanil hydrochloride	Nair	Uni Frankfurt (DE)				
propranolol hydrochloride	Vogelpoel & Welink	RIVM (NL) & MEB (NL)	11-Jun-03	01-Jan-04	2004; 93 (8): 1945-1956	
propylthiouracil						
pyrazinamide	Becker	Uni Frankfurt (DE)	07-Aug-07	17-Oct-07	2008; 97 (9): 3709-3720	
pyridoxine hydrochloride						
pyrimethamine						
quinine bisulfate or sulfate	Strauch	Uni Frankfurt (DE)	25-May-11	18-Oct-11	2012; 101 (2): 499-508	
ranitidine hydrochloride	Kortejärvi & Yliperttula	Orion (FI)	08-Dec-04	07-Apr-05	2005; 94 (8): 1617-1625	
retinol palmitate						
ribavirin	Goodarzi	Tehran Uni. of Medical Sci. (IR)	02-Dec-15	02-Jan-16	2016; 105 (4): 1362-1369	
riboflavin						
rifabutin						
rifampicin	Becker	Uni Frankfurt (DE)	24-Jun-08	13-Oct-08	2009; 98 (7): 2252-2267	
rifapentine						
risperidone						
ritonavir	Bermejo	Uni Valencia (ES)				
saquinavir mesylate	Cristofolletti	Uni Brasilia (BR)				
senna						
simeprevir						
simvastatin	Araujo & de Souza & Silva-Barcellos	Uni Ouro Preto (BR)				
sofosbuvir						
spironolactone	Rădulescu	Carol Davila Uni, Bucharest (RO)				
stavudine	Brazilian Biowaiver Group	Brazilian Biowaiver Group	11-Jun-11	09-Aug-11	2012; 101 (1): 10-16	
sulfadiazine						
sulfadoxine (in combination with pyrimethamine)						
sulfamethoxazole (in combination with trimethoprim)						
sulfasalazine						
tenofovir disoproxil fumarate	Nair	Uni Frankfurt (DE)				
thiamine hydrochloride						
trichlabendazole						
trimethoprim						
valganciclovir						
verapamil hydrochloride	Vogelpoel & Welink	RIVM (NL) & MEB (NL)	11-Jun-03	01-Jan-04	2004; 93 (8): 1945-1956	
zidovudine	Brazilian Biowaiver Group	Brazilian Biowaiver Group	14-Nov-12	25-Apr-13	2013; 102 (8): 2409-2423	
zinc sulfate						
Complementary medicines						
all-trans retinoid acid (ATRA)						
amiodarone hydrochloride						
anastrozole						
azathioprine						
bedaquiline						
bicalutamide						
calcium folinate						
capecitabine	Shohin	Center of Pharmaceutical Analytics Ltd.				
chlorthalidone						
ciclosporin	Mustelier & Rodríguez	CECMED (CU)				
clindamycin						
clomifene citrate						
clozapine						
cyclophosphamide						
cycloserine						
delamanid						
ethionamide						
ethosuximide						
etoposide						
fludarabine						
hydroxycarbamide						
hydroxychloroquine (as sulfate)						
imatinib	Shohin	Center of Pharmaceutical Analytics Ltd.				
leuprorelin						
levofloxacin	Koeppel	Brazilian Biowaiver Group	13-Sep-10	02-Nov-10	2011; 100 (5): 1628-1636	
linezolid						
mercaptopurine						
mesna						
methotrexate (as sodium salt)						
mifepristone						
oxamniquine						
p-aminosalicylic acid						
pentamidine isethionate						
procabazine hydrochloride						
pyridostigmine bromide						
succimer						
tamoxifen citrate						
thioguanine						
warfarin sodium salt						
Medicines not on WHO Essential Medicines 19th Ed						
atenolol	Vogelpoel & Welink	RIVM (NL) & MEB (NL)	11-Jun-03	01-Jan-04	2004; 93 (8): 1945-1956	
cimetidine	Jantrati	Mahidol Uni (TH)	07-Jul-05	08-Feb-06	2006; 95 (5): 974-984	
diclofenac sodium	Chuasuwana & Polli	Uni Maryland (USA)	23-May-08	03-Jul-08	2008; 98 (4): 1206-1219	
ketoprofen	Shohin	Sechenov's Moscow Medical Academy	13-Apr-12	15-May-12	2012; 101 (10): 3593-3603	
levetiracetam	Petermel	Lek Pharmaceuticals (SI)	09-Oct-14	09-Dec-14	2015; 104 (9): 2676-2687	
ofloxacin	Olivera	Uni Cordoba (AR)				
piroxicam	Shohin	Sechenov's Moscow Medical Academy	04-Sep-13	25-Oct-13	2014; 103 (2): 367-377	
prednisone	Vogt	Uni Frankfurt (DE)	23-Dec-05	06-Oct-06	2007; 96 (6): 1480-1489	
pregabalin	Al Omari	Jordanian Pharm.Manuf.Comp. (JO)				
quinidine sulphate	Grube & Langguth	Uni Mainz (DE)	11-Jul-08	18-Sep-08	2009; 98 (7): 2238-2251	
sitagliptin phosphate	Petermel	Lek Pharmaceuticals (SI)				
Tacrolimus	Cammarata	San Paolo Hospital Milan (IT)				
temozolomide	Shohin	Center of Pharmaceutical Analytics Ltd.				