

Essential Medicine List

Chapter 2 Clinical Pharmacy II

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EML

1. Criteria for selection

2. Usage and advantages

3. Development of essential medicines List

Definition

- Essential medicines are those that satisfy the priority health care needs of the population.
- Selection
- Public health relevance
- Evidence
- Efficacy
- Safety, and
- Comparative cost-effectiveness.

History of modern Medicines

- Aspirin Introduction 1897
- Antibiotic 1941
- Antimalarial (1943)
- Antitubercular (1944)
- The 1950s oral contraceptives, drugs for diabetes and drugs for mental illness.
- WHO Model List of Essential Drugs 1977
- 208 individual medicines
- Which together could provide safe, effective treatment for the majority of communicable and non-communicable diseases

List of drugs available in market

Different prices

Different health care needs

Chances of irrationality

Need a list of medicines

Based on Safety efficacy cost effectiveness, available

Majority of health care needs can be full filled

Criteria for the selection of essential drugs

Criteria for the selection of essential drugs

Core List

- Minimum Drugs
- Safe Efficacious and Cost effective
- Basic health care system

Complementary List

- Specialized facilities
- Training requirements

Advantages and uses

1. Provides a base for NEML

2. Cost effective Medicines

3. Better Control

4. Updated List

5. Guideline for LMIC

Advantages and uses

Antimicrobial resistance is a global crisis





ACCESS

should be always available

Access category antibiotics should be the preferred choice for common and serious infections.



WATCH

must be used sparingly



RESERVE

only as a last resort

Watch and Reserve category antibiotics are either at higher risk of resistance or too precious to use all the time.

WHO Expert Committee

- Committee Members
- 13
- Temporary advisers
- 5
- UN Agencies
- UN population fund
- UNICEF United Nations Children's Fund
- WHO Regional Heads Africa America Europe
- WHO Headquarters Geneva Secretariat

- 156 countries uses WHO EML
- EML Updated after every 2 yrs
- Total Medicines in EML 21st Edn 2019--- 460
- Addition of 28 new medicines
- The committee sorted through 65 applications for additions to the list. About a third were rejected.
- The list added three antibiotics for the treatment of multidrug-resistant infections, including Ceftazidime + avibactam; Meropenem + vaborbactam; and Plazomicin.
- Added new anticoagulants and new drugs for Rheumatoid Arthritis
- New drugs for lung, blood and prostate cancer were included

Rejected Applications

- The list doesn't include medicines for the treatment of
- multiple sclerosis;
- The committee rejected submitted medicines fingolimod, glatiramer acetate and ocrelizumab.
- The committee that approved the list also did not recommend including methylphenidate, a medicine for attention deficit hyperactivity disorder.

Changes to th	ne WHO Model List of Essential Medicinesviii
	te to prescribers
Section 1:	Anaesthetics
Section 2:	Analgesics, antipyretics, non-steroidal anti-inflammatory medicines
	(NSAIMS), medicines used to treat gout and disease modifying
	agents in rheumatoid disorders (DMARDs)30
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428 drugs

30 catagories

First NEML 1994

Last 2016

Primary (P)

Secondary (S)

Tertiary (T)



The End