Top 50 Essential Medicines for Norway

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World Health Organization: https://www.who.int/selection_medicines/list/en/

ABSTRACT

Norway is found in the arctic circle. We have analyzed at the country of Norway with a focus on the city Ringebu and decided based on common causes of death and disease, which drugs and groups of drugs are necessary. We initially decided on five groups that would not be used in Norway, then ten groups that would be absolutely necessary. This allowed us to further narrow our list to twenty total drugs that is needed to maintain a healthy population in Ringebu, Norway.

Top Diseases in Norway

Isochemic Heart, Disease,Anthrax, AIDS, Alzheimers, Cerebrovascular , COPD, Lung Cancer, Measles, Leigh's Disease

NON -MANDATORY DRUGS FOR NORWAY

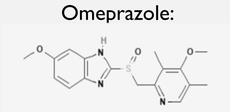
- Anti-malarial
  - Not a significant issue
- Antiprotozoal:
  - Diseases similar to malaria are not found in Norway.
- Oral Hormonal Contraceptives:
  - Norway has one of the lowest hormonal contraceptive rates.
- Antileprosy:
  - Norway has experienced a disappearance of Leprosy within the last 100 years.
- Antitrypanosoma:
  - African Sleeping Sickness is not common in Norway.

General Facts

- Norway is surrounded by mostly forest.
- The altitude is 3000 feet.
- Norway is located near the Arctic Circle.
- Life expectancy is ranked 10th in the world, 82.5.

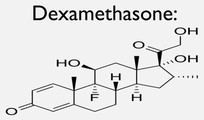
Gastrointestinal Medicines

Omeprazole:



17% of the population suffers from GERD.

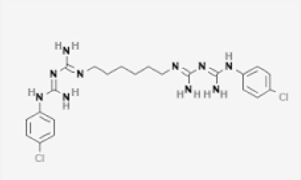
Dexamethasone:



Treats a wide variety of illness outside of gastrointestinal disorders. Few side effects.

Disinfectants

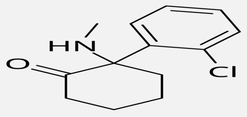
Chlorhexidine



Used to disinfect skin and surgical instruments prior to surgical procedures..

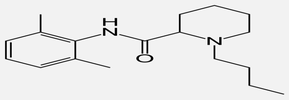
Anaesthetics

Ketamine

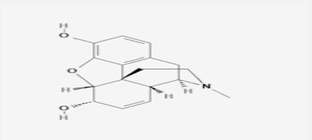


Used to start or maintain sedation during medical procedures.

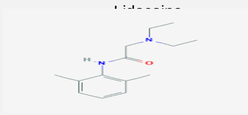
Bupivacaine:



injected into epidural space to block pain during labor.

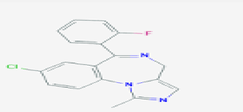


Pain the musculoskeletal system is the most common type of chronic pain



used for local-regional anesthesia in food producing animals in Norway.

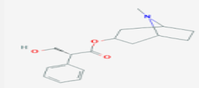
Midazolam:



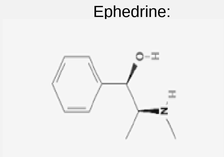
preo

Atropine

used for sedation during short term procedures



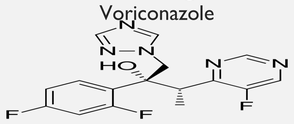
Ephedrine:



associated with spinal anaethsia

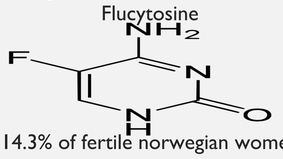
Anti-fungal

Voriconazole



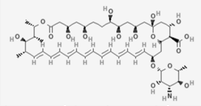
Common treatment for a variety of fungal infections.

Flucytosine



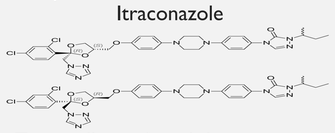
14.3% of fertile norwegian women suffer from recurrent vaginal yeast infections.

Amphotericin B



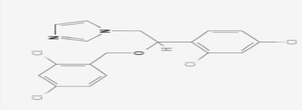
Used in combination with itraconazole to treat allergic fungal disease experienced by 341 out of every 100,000.

Itraconazole



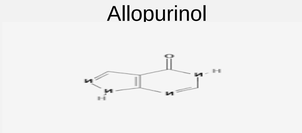
Treats allergic fungal disease.

Miconazole



745,000 Norwegians suffer from superficial skin infection

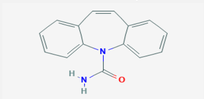
Allopurinol



Gout is common in Norwegians due to the amount of red meat they consume

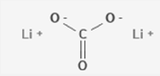
Mood Disorders

Carbamazepine:



can also be used to treat bipolar disorder

Lithium carbonate:

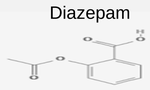


common treatment of bipolar disorder

Fluoxetine

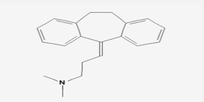
-half of the population will suffer from depression at some point in their life

Diazepam



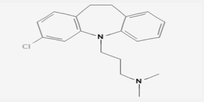
commonly used in Norway to treat mood disorders

Amitriptline



used in treating depressive disorders

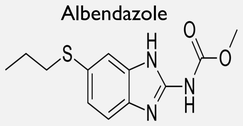
Clomipramine



used to treat obsessive compulisve disorder

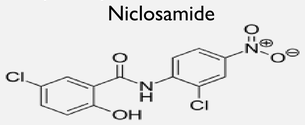
Anthelmintics

Albendazole



Norway's contaminated water supply infects its citizens with Giardia frequenctly.

Niclosamide

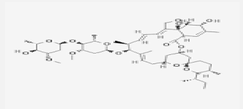


Cases of human diphyllobothriasis are still found in norway despite being much less common elsewhere.

Pyrantel:

helps fight off bacteria

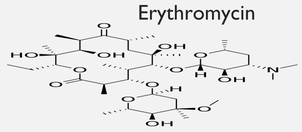
Ivermectin



intestinal anthelminthic

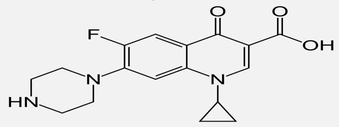
Antibiotic

Erythromycin



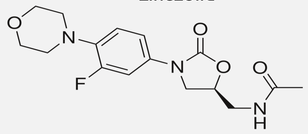
Treats many different bacterial lung infections.

Ciprofloxacin



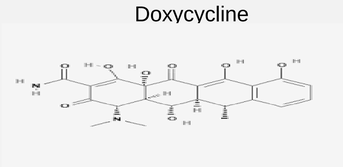
Primary drug used to treat Anthrax

Linezolid



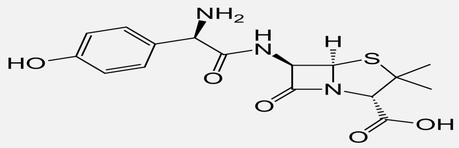
"last resort" antibiotic for MRSA infections that are common in Norway.

Doxycycline



Contaminated water due to old pipe lines. E. coli bacteria has been found in drinking water.

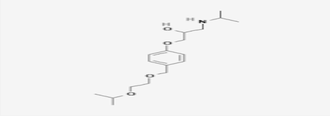
Amoxicillin



One of the most prescribed antibiotics globally and treats a wide variety of bacterial infections.

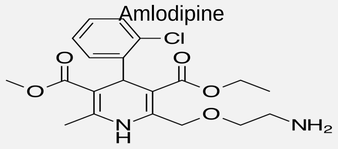
Cardiovascular Medicines

Bisoprolol



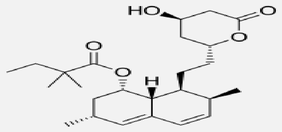
Death Rate for cardiovascular disease is 62.16 per 100,000 of population ranks Norway #165 in the world

Amlodipine

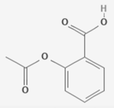


Treats hypertension which can lead to heart disease.

Simvastatin

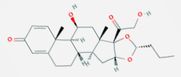


Acetylsalicyclin acid (aspirin)



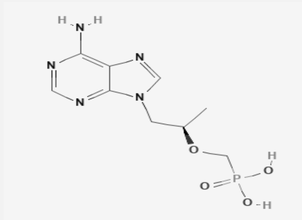
strokes are one of major causes of disability

Budesonide



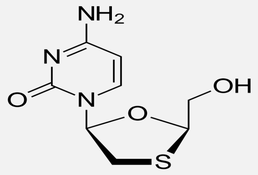
Antiretrovirals

Tenofovir Disoproxal Fumorate (TDF)



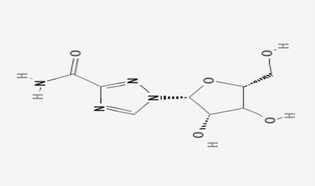
Free to citizens for HIV prevention

Lamivudine



Used to prevent (pre and post exposure) and treat HIV. Can be used to treat Hepatitis B.

Ribavirin



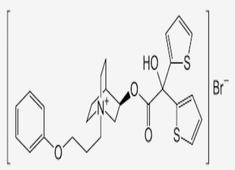
There is a high prevalence of hepatitis C among former or current drug users in Norway.

Vaccines

- Whooping Cough
  - Increasing problem in norway that can be fatal in infants and the elderly
- Hepatitis A:
  - There is a high rate of hepatitis A among drug users.
- Measles
  - In 2011 there was a measles outbreak. While numbers have declined it is still present in the population.
- HPV
  - Infection can lead to other conditions such as cervical cancer.

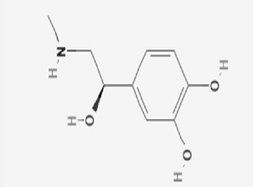
Cardioivascular Medicines (cont)

Aclidinium



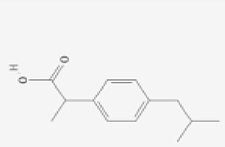
Treats COPD

Epinephrine



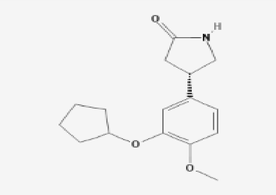
1 in 5 adults has allergies and Hay fever is common in Norwegian children

Ibuprofen



12% or 500,000 of the Norwegian population suffers from migraines.

Avastin



Manages Coronary artery disease.