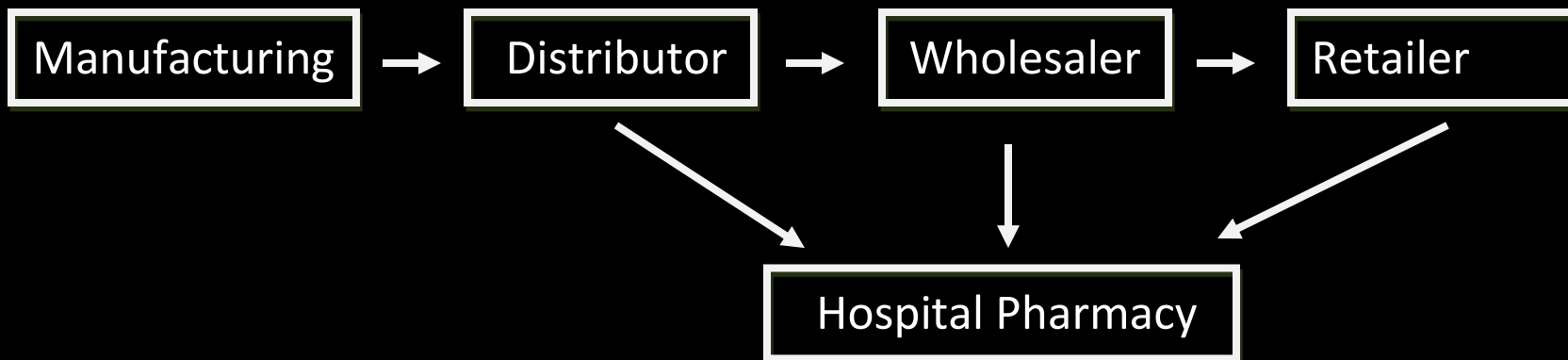


Supply Chain and Inventory Control

Supply Chain Of Drugs

A drug supply chain is the network of all the individuals , organisations , resources and technologies are involved in manufacturing and sale of a product .

Following Chart can help to understand the supply chain of drug to hospital



Preparation Of Drug lists

- * It is a process to categorize the drug with their generic names , strength and form .
- * It is prepared by country 's pharmacist , chemical and pharmaceutical staff.

Some Drug lists :

- * High Risk drugs
- * Emergency drugs ,
- * Schedule H1 Drugs ,
- * NDPS (narcotic drugs and psychotropic substances .
- * Reserved Antibiotics .

High Risk Drugs

High risk drugs are those drugs which cause significant (serious) harm to patients if they are used incorrectly .

- 1) adrenergic agonists IV (Epinephrine , norepinephrine ,)
- 2)) adrenergic antagonists IV (propranolol , prazosin , atenolol)

- 3) anaesthetic agents (general) inhaled and IV ,(Ketamine , propofol)
- 4) anti Arrhythmic agents (lidocaine , procainamide) .
- 5) antithrombotic agent (anticoagulants) : heparin , argatroban
- 6) Hypoglycemic Agents (metformin .)
- 7) sedative agents (alprazolam , diazepam)
- 8) narcotic drugs : Codeine , morphine
- 9) neuromuscular blocking agents : succinylcholine
- 10) Insulin IV and subcutaneous .

Emergency Drugs

These are the drugs which may be required immediately in emergency conditions to prevent the risk or harm to patients and can save their life , these drugs have onset of action , and are administered by such route which facilitate onset of action like : Epinephrine in cardiac arrest .

Emergency drugs

1) Adrenaline

2) Inj Lidocaine

3) Inj. Delanettasone

4) Adenosine

(6) Inj Deriphyllin

7) Inj. Nor-adrenaline

8) Inj. Hydrocortisone

(9) Inj. Avil

10) Inj. Calcuconate

11) inj Vasocogressin

12) Inj Diclofenac

13) Inj. Sodium bicarbonate

- (14) Inj. Midazolam
- 15) Inj Ethamsylate
- 16) Inj. Flumazenil
- 17) Inj. Amiodarone 25% Dextrose
- 18) Inj. Naloxone
- 19) Inj. Nitroglycerin
- 20) Inj. Diazepam
- 21) Inj. Potassium chloride
- 22) Inj Succinylcholine
- 23) Inj. Paracetamol
- 24) Inj. Digoxin
- 25) Inj. Dopamine
- 26) Inj. Methylprednisolone

27) Inj. PAM

28) Inj. dobutamine

29) Inj. Heparin

30 Inj. Mephentermine

(31) inj. Lasix .

(32) Inj. Aminophylline

33) Inj. Phenergan

Schedule H₁ Drugs

These are the sensitive antibiotics and habit forming drugs , which are not allowed to sale or distribute without a prescription of a registered Physician or pharmacist . like Alprazolam .

1) Alprazolam

2) Balofloxacin

3) Buprenorphine

S R Pharmacy

- 4) Capreomycin
- 5) Cefdinir
- 6) Cefditoren)
- 7) Cefepime
- 8) Cefetamet
- 9) Cefixime
- 10) Cefoperazone
- 11) Cefotaxime
- 12) Cefpirome
- 13) Cefpodoxime
- 14) Ceftazidime
- 15) Rifampicin
- 16) Tramadol

- 17) Ceftibuten
- 18) Ceftizoxime
- 19) Ceftriaxone
- 20) Chlordiazepoxide
- 21) Clofazimine
- 22) Sodium codeine
- 23) Cycloserine
- 24) Diazepam
- 25) Diphenoxylate
- 26) Doripenem
- 27) Ertapenem
- 28) Ethambutol
- 29) Hydrochloride

30) Ethionamide

31) Sparfloxacin

32) Zolpidem

33) Feropenam

34) Gemifloxacin

35) Imipenem

36) Isoniazid

37) Levofloxacin

38) Meropenem

39) Midazolam

40) Moxifloxacin

41) Nitrazepam

41) Para-aminosalicylate

S R Pharmacy

42) Pentazocine

43) Prulifloxacin

44) Pyrazinamide

45) Rifabutin

46) Thiacetazonedol

NDPS (Narcotic drugs And Psychotropic substances)

Narcotic Drugs : the opioids and their derivatives are called narcotic drugs .

psychotropic substances : psychotropic substances are chemical substances which change the function of nervous system , and alter the mood , perception , consciousness like alcohol , marijuana , nicotine .

The NDPS Act, 1985 forbids cultivation, production, possession, sale, purchase, trade, use and consumption of narcotic drugs and psychotropic substances, except for medical and scientific purposes under license.

NDPS Drugs

Alprazolam, Amfepramone, Barbital, Benzphetamine, Bromazepam, Camazepam, Chlordiazepoxide, Clobazam, Clonazepam, Clorazepate, Clotiazepam, Cloxazolam, Delorazepam, Diazepam, Estazolam, Ethchlorvynol, Ethinamate, Ethylflazepate, Fludiazepam, Flunitrazepam, Flurazepam, Halazepam, Haloxazolam, Ketazolam, Lefetamine, Loprazolam, Lorazepam, Lormetazepam, Mazindol, Medazepam, Meproamate, Methylphenobarbital, Methyprylon, Nimetazepam, Nitrazepam, Nordazepam, Oxazepam, Oxazolam, Phendimetrazine, Phenobarbital, Phentermine, Pinazepam, Prazepam, Temazepam, Tatazepam, Triazolam, Cathione, DMA, MDMA, 4 Methylaminorex, MMDA, N-Ethyl MDA, N-Hydroxy MDA, PMA, TMA, Fenethylamine, Levamfetamine, Metamfetamine, Racemate, Byprenorphine, Butalbital, Cathine, Allobarbital, Methyldamphetamine, Fencamfamine, Penproporex, Mefenorex, Midazolam, Pemoline, Pyrovalerone, Sec butobarbital, Vinylbital, Butobarbital, Etryptamine, Methacathinone, Zipeprol, Aminorex, Brotizolam, Mesocarb.

DET, DMHP, DMT, (+)-Lysergide, (LSD, LSD25), Mescaline, Parahexyl, Eticyclidine, Rolicyclidine, Psilocine, Psilostin, Psilocybine, STP, DOM, Tenocyclidine, THC, DOB, MDA, Dexamphetamine, Mecloqualone,

Amphetamine, Methamphetamine, Methaqualone, Methylphenidate, Phen cyclidine, Glutethimide, Phenmetrazine, Amobarbital, Cyclobarbitol, Pentazoxine, Pentobarbital, Secobarbital,

Reserved Antibiotics

The reserved antibiotics are those antibiotics which are reserved for the treatment of suspected or diagnosed infection caused by multi-resistant organism, and they are used when all other antibiotics have failed.

- 1) Aztreonam
- 2) Carumonam
- 3) Colistin (Oral)
- 4) Ceftaroline
- 5) Cefiderocol
- 6) Ceftobiprole
- 7) Ceftazidime + Avibactam

- 8) Ceftolozane + Tazobactam
- 9) Colistin (Injection)
- 10) Dalbavancin
- 11) Dalfopristin + Quinupristin
- 12) Eravacycline
- 13) Fosfomycin (Injection)
- 14) Imipenem + Cilastatin + Relebactam
- 15) linezolid
- 16) Minocycline (Injection)
- 17) Oritavancin
- 18) Polymyxin B (Injection)
- 19) Tedizolid
- 20) Daptomycin

21) Faropenem

22) Iclaprim

23) Iefamulin

24) Meropenem + Vaborbactam

25) Omadacycline

26) Plazomicin

27) Polymyxin B (Oral)

28) Telavancin

29) Tigecycline