



GLOBALCERT

A
PHARMACEUTICAL
RESEARCH

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ABOUT

TYPES OF PHARMA

What is a pharma company?

Pharmaceutical businesses spend a significant amount of money on research and development of pharmaceuticals and therapies for patients. Patients and clinicians (doctors, nurses, hospitals, nursing homes, clinics, and so on) rely on these corporations for disease treatment. These businesses research ailments, conduct research, and develop novel treatments and medicines to treat them.

3 Major Types

- 1 Mainline
- 2 Research and Development
- 3 Generic



FUNCTIONING

How do they function?

There are 3 basic steps for a Pharma Company to function-



What kinds of drugs?

Major Pharma products-

- Oral Drugs
- Topical Medicines
- Parental Formulations
- Modified Formulations
- Oncological Formulations
- Novel Drug Formulations

Based on target body parts and systems-

- Digestive system
- cardiovascular system
- Nervous system
- Immune system
- Endocrine System

Drug Categories-

- Stimulants.
- Inhalants.
- Cannabinoids.
- Depressants.
- Opioids.
- Steroids.
- Hallucinogens.
- Prescription drugs.

DRUG PRODUCTION



DRUG DEVELOPMENT LIFE CYCLE

The 5 Major Steps in drug development-



DRUG APPROVAL PROCESS

When the FDA approves a medicine, CDER reviews the data on the drug's effects and determines that the drug's benefits outweigh the drug's known and potential hazards for the targeted respondents. The steps before approval are-

- ➡ **Analyze the available target condition and therapies**
- ➡ **Clinical data is used to assess the benefits and dangers.**
- ➡ **Risk Management strategies**

NOTE: Drug approval is handled by Food and Drug Administration's (FDA's) Center for Drug Evaluation and Research (CDER). Drug approval team consists of medical officer, pharmacologist, pharmacokineticist, chemist and microbiologist.

FACTORS AFFECTING

To know about the factors affecting a pharma company, Let's perform its PESTLE Analysis

P-POLITICAL

- Following rules and regulations
- Keep the prices affordable
- Availability of essential and commonly used drugs

E-ECONOMIC

- With increasing economy, urge to buy costlier drugs
- Regularly modifying and producing beneficial drugs
- Increase in earning depending on aged people in a family

S-SOCIAL

- Depending on lifestyle of people
- Increase in demand due to increase in aged population

T-TECHNOLOGICAL

- Producing better quality of drugs
- Proper storage conditions
- Increase in reach to more companies

L-LEGAL

- Adhere to government laws to avoid legal issues
- Protect the database from cyber threats
- Maintain strict legal guidelines

E-ENVIRONMENTAL

- Abiding by environmental laws
- Take care of hazardous wastes
- Donate money or organize campaigns regularly



The pharmaceutical sector is an important aspect of the commerce and wellness ecosystem because it adds to the country's overall revenue and ensures residents' health. Trends play an important influence in the sector's development.

Here are some predictions for the pharmaceutical business in 2022.

- Influence of AI and Big-Data Analytics
- The supply chain process is being streamlined
- Assuring a high-quality manufacturing method
- The segment's digitalization
- Predictive Medicine
- Specialized medication development
- Incorporation of technology into all aspects of life
- Generic Medicines Are Becoming More Popular
- Exploring Extended Reality (XR)
- Digital and Curative Therapies

LATEST TRENDS



THANKYOU

