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Biopharmaceuticals

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"A bright future for leaders and problem solvers"

What is biopharmaceuticals ?

Pharmaceutical and biotechnology industry produces drugs and other products that help people and animals live healthier lives, recover from injuries, and fight illnesses.

Research and Development

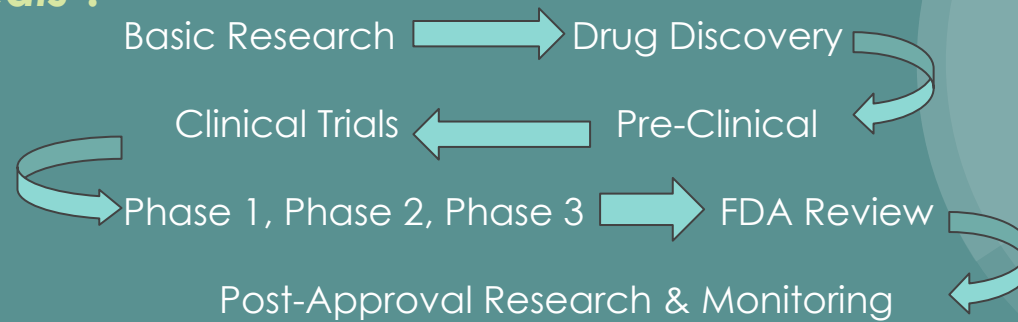


Figure 1. The 15 Year process for a medication to be approved by the FDA.

Opportunity



Figure 3. As shown in the job market has increased from 2001-2021.

Education

Career Profile: Technician Opportunities at biomedical, biopharmaceutical and biomanufacturing organizations where products such as vaccines, medicines, enzymes and cell cultures are created. Level requirement entry is an Associate Degree.

References:
Figure2. BioProcess International.com
Figure 3. DPS Educationn.com
aboutbioscience.org
Science Daily.com
Vault.com

Background

Biopharmaceuticals are mostly therapeutic recombinant proteins obtained by biotechnological processes. They are derived from biological sources such as organs and tissues, microorganisms, animal fluids, or genetically modified cells and organisms.

Biopharmaceutical market by service offering

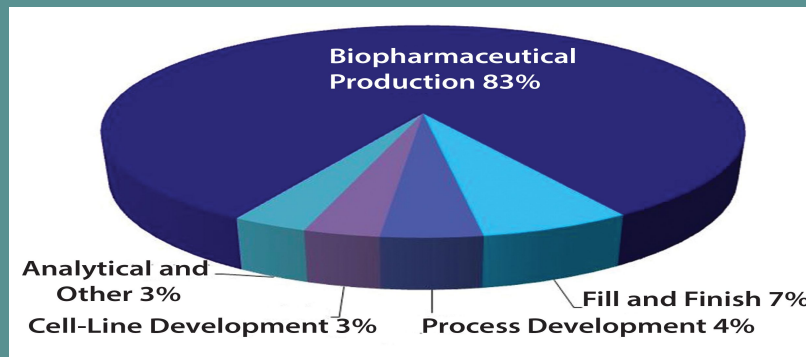


Figure 2. Currently, the production of biopharmaceutical drug substances now accounts for 83% of the biopharmaceutical contract manufacturing market.