

fda.gov/biosimilars

GRx + BIOSIMS EXPOSITION

Office of Therapeutic Biologics and Biosimilars

Center for Drug Evaluation and Research (CDER) U.S. Food and Drug Administration (FDA)

Michelle Luo, M.D, Ph.D., Scientific Reviewer

Ruby (Chi-Ann) Wu, Pharm.D., M.P.H, CAPT/USPHS, Labeling Reviewer

Jacquelyn Rosenberger, Pharm.D., RAC, Team Lead, Project Management

Sarah Ikenberry, M.A., Senior Communication Advisor

OTBB Structure





fda.gov/biosimilars | 2

Biosimilar Program Highlights



Approvals and Programs

61

Approved
Biosimilars to **17**Reference products

16

Interchangeable biosimilars

38

Currently Marketed to **10** different reference products

109

BS development programs for 55 reference products

As a result...



Biosimilar savings since 2015

\$36 BILLION



Biosimilars have been used in almost 2.7 BILLION DAYS of patient therapy and have resulted in more than 495 MILLION INCREMENTAL DAYS of therapy



Biosimilar competition is driving lower prices among biosimilars and their reference products

Source AAM / 2024 U.S. Generic and Biosimilar Medicines Savings Report https://accessiblemeds.org/resources/blog/2024-savings-report

fda.gov/biosimilars | 3

FDA Approved Biosimilar and Interchangeable Biosimilars



61 Approved Biosimilars

17 Reference Products

41 Marketed



Biological Product Regulation



- 351(a) "stand alone" BLA: contains all information and data necessary to demonstrate that the proposed biological product is safe, pure and potent
- The Biologics Price Competition and Innovation Act of 2009 (BPCI Act)
 - Created an abbreviated licensure pathway (351(k)) for biological products shown to be biosimilar to or interchangeable with an FDAlicensed reference product (originator biological product)

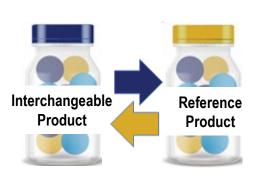
fda.gov/biosimilars

Key Definitions from the BPCI Act









Reference Product

A reference product is the single biological product, already approved by FDA, against which a proposed biosimilar product is compared

Biosimilar Product

A biosimilar is a biological product that is **highly similar** to and has no clinically meaningful differences from an existing FDA-approved reference product

Interchangeable Product

- Is a biosimilar
- Expected to produce the same clinical result as the reference product (RP) in any given patient
- Switching between the proposed product and the RP does not ↑safety risks or ↓effectiveness compared to using the RP without switching

General Requirements



A 351(k) application must include information demonstrating that the biological product:

- Is biosimilar to a reference product
 - Highly similar to and has no clinically meaningful differences from the FDA-approved reference product
- Utilizes the same mechanism(s) of action for the proposed condition(s) of use -but only to the extent the mechanism(s) are known for the reference product;
- Condition(s) of use proposed in labeling have been previously approved for the reference product;
- Has the same route of administration, dosage form, and strength as the reference product; and
- Is manufactured, processed, packed, or held in a facility that meets standards
 designed to assure that the biological product continues to be safe, pure, and
 potent.

fda.gov/biosimilars

Additional Resources

FDA

- <u>www.fda.gov/biosimilars</u> for access to all the education materials and information about biosimilar and interchangeable products.
- https://purplebooksearch.fda.gov/ The Purple Book: Database of Licensed Biological Products for information on biological products, including if products are biosimilar to a reference product.
- <u>www.fda.gov/drugsatfda</u> (**Drugs@FDA**) for information on all FDA approved drug products, including labeling and review information.
- https://www.fda.gov/drugs/biosimilars/curriculum-materials-health-caredegree-programs-biosimilars for curriculum materials for health care degree programs
- <u>Guidance Webpage</u> for guidance related to BsUFA, including details on BPCI (search on "biosimilar")
- <u>CDERLearn Training and Education</u> for FDA CE, Medscape CE, and other education content- select "biosimilars" under topics.



fda.gov/biosimilars



Center for Drug Evaluation and Research

fda.gov/biosimilars

QUESTIONS?

ASK US ANYTHING!