



# Pharmacy Grand Rounds

200 First Street SW  
Rochester, Minnesota 55905  
<https://ce.mayo.edu/pharmacy-grandrounds-2024>

## Biosimplified: Biosimilar Basics, Economics and Barriers

**Session Date:** 07/09/2024

**Session Time:** 11:00 – 11:45 AM (CST)

### Target Audience

This continuing education (CE) session was planned to meet the needs of professional staff who deal with the selection and monitoring of medication(s) as part of their patient care duties, including pharmacists, RNs, APRNs, PAs, MDs.

### Activity Overview

Biosimilars are similar reference biologics, approved via an abbreviated pathway based on high similarity to the reference product that is not expected to result in any clinically meaningful difference in safety or efficacy. Biosimilars entered the marketplace beginning in 2015 and in recent years have significantly expanded for both healthcare professional administered therapies as well as self-administered therapies dispensed through outpatient pharmacies. Currently biosimilars are available and used in various practice specialities including but not limited to hematology, oncology, supportive care, endocrinology, ophthalmology, gastroenterology, and rheumatology. This presentation will review the FDA approval pathway for biosimilars, interchangeability designation and implications for biosimilar adoption, biosimilar economics, and barriers to adoption.

### Learning Objectives

At the conclusion of this knowledge-based CE session, participants should be able to:

- 1) Define the biosimilar approval pathway and interchangeability designation
- 2) Recognize biosimilar economics as it relates to cost and reimbursement
- 3) Interpret barriers to biosimilar adoption and how they may apply to your practice area

### Faculty Information

Chelsee Jensen, PharmD, BCPS, P-RCM  
Assistant Professor of Pharmacy and Oncology  
Supply Chain Management - Rochester, MN

Dr. Jensen received a Doctor of Pharmacy degree from Massachusetts College of Pharmacy and Health Sciences and is a Senior Pharmacy Specialist within Supply Chain Management. Currently Dr. Jensen is a formulary manager for several Mayo Clinic Pharmaceutical Formulary specialty task forces and has additional interests in quality improvement and cost-effectiveness.



Sara Erickson PharmD, BCACP  
Instructor of Pharmacy  
Supply Chain Management-Rochester, MN

Dr. Erickson completed her Bachelor of Science and Doctor of Pharmacy at North Dakota State University. She has been with Mayo Clinic since 2009 and is currently a Senior Pharmacy Specialist within Supply Chain Management. Dr. Erickson is a formulary manager for several Mayo Clinic Pharmaceutical Formulary specialty task forces.



Anna Bartoo PharmD, BCPS, DPLA  
Instructor of Pharmacy  
Supply Chain Management – Rochester, MN

Dr. Bartoo completed her Doctor of Pharmacy at Idaho State University College of Pharmacy, residency at Providence Health System, and has worked with the Mayo Clinic in Rochester, MN, since 2004. Dr. Bartoo is a formulary manager for several Mayo Clinic Pharmaceutical Formulary specialty task forces. Prior to this role, Dr. Bartoo was the senior manager of Research Pharmacy where she provided leadership and management of Research Pharmacy programs and services.



## Approved Provider Statement



JOINT ACCREDITATION™  
INTERPROFESSIONAL CONTINUING EDUCATION

In support of improving patient care, this activity is planned and implemented by Mayo Clinic College of Medicine and Science. Mayo Clinic College of Medicine and Science is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC) to provide continuing education for the healthcare team.

### Credit Statements

#### AMA

Mayo Clinic College of Medicine and Science designates this live activity for a maximum of 0.75 *AMA PRA Category 1 Credits*™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

#### ACPE



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## ANCC

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## AAPA



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## Educational Format and CE Requirements

This CE session is available as a live presentation, including live webcast.

Participants must complete the following to record attendance and obtain CE credit:

1. Attend the entire session.
2. Text the session code to 507-200-3010 within 48 hours of the live presentation to record attendance.
  - a. This number is only used for receiving text messages related to tracking attendance
  - b. Employees are encouraged to create a contact in their mobile phone, as the same number is used to record attendance for every session
3. Complete the online evaluation for the respective session within 2 weeks of live presentation.

Pharmacist CE credit is electronically transferred to the National Association of Boards of Pharmacy CPE Monitor. To track CE, please go to [NABP CPE Monitor](#).

Non-pharmacist attendees can print out a record of attendance at [ce.mayo.edu](#) after completing the evaluation and claiming credit.

[Live Webcast](#) - access during presentation times

## Disclosure Summary

As a provider accredited by Joint Accreditation for Interprofessional Continuing Education, Mayo Clinic College of Medicine and Science must ensure balance, independence, objectivity and scientific rigor in its educational activities. All who are in a position to control the content are required to disclose all financial relationships with any ineligible company. Faculty will also identify any off-label and/or investigational use of pharmaceuticals or instruments discussed in their content for FDA compliance.

Listed below are individuals with control of the content of this program:

The faculty report the following relationships:

- Chelsee Jensen, PharmD, BCPS, P-RCM
  - Declares prior consulting work for Amgen and Aptitude Health Cases
  - Declares off-label use of medications will not be discussed during this presentation
- Sara Erickson PharmD, BCACP
  - Declares no financial relationship(s) pertinent to this session
  - Declares off-label use of medications will not be discussed during this presentation
- Anna Bartoo, PharmD, BCPS, DPLA
  - Declares no financial relationship(s) pertinent to this session

- Declares off-label use of medications will not be discussed during this presentation

Course Director and Planning Committee Members declare no relevant financial relationship(s) pertinent to this session. Members include:

- Jennifer Elmer, DNP, APRN, CCNS
- Andrew Herber, PA-C
- Sarah Jane Kotval, BSW, RSS Coordinator
- Scott Nei, PharmD, BCPS, BCCCP, FCCM, FMSHP
- Wayne Nicholson, MD, PharmD, BCPS
- Sara Thompson, PharmD, MEd, BCACP

All relevant financial relationships have been mitigated.

For additional disclosure information regarding Mayo Clinic School of Continuous Professional Development accreditation review committee members visit [ce.mayo.edu](https://ce.mayo.edu), About Us, Disclosures - or - <https://ce.mayo.edu/content/disclosures>

## System and Technical Requirements

For participants viewing the webcast, sessions are delivered via Mayo Clinic intranet web browser and Adobe® PDF. For participants viewing outside the Mayo Clinic firewall, a VPN connection is required for remote access. Recommended web browser includes Google Chrome. This session is planned and coordinated by **the Department of Pharmacy, Mayo Clinic.**