



# Pharmacy Grand Rounds

200 First Street SW  
Rochester, Minnesota 55905  
<https://ce.mayo.edu/pharmacy-grandrounds2023>

## Verification Decision Support: May AI Take Your Order?

**Session Date:** 02/21/2023

**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

Since the 1970s, a plethora of tools have been introduced to support the medication use process. However, little has been tried to automate the effort pharmacists expend prospectively reviewing medication orders. Review of many medications may be protocolized and implemented in an algorithmic fashion utilizing discrete data from the electronic health record (EHR). The purpose of this presentation will be to introduce the concept of verification decision support (VDS) and outline opportunities and challenges for its translation to the clinical practice.

### Learning Objectives

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

1. Recognize the history and regulations for prospective medication order review
2. Describe the technical landscape for verification decision support
3. Explore real-world verification decision support outcomes

### Faculty Information

Benjamin J. Anderson, PharmD, MPH, FASHP  
Medication Management Informaticist  
Mayo Clinic – Rochester, MN

Dr. Anderson received a Doctor of Pharmacy degree from the University of Minnesota and a Masters in Public Health degree from the University of Pittsburgh. He completed a PGY1 residency in pharmacy and a PGY2 health-system pharmacy administration residency from the University of Pittsburgh Medical Center. He is currently a Medication Management Informaticist at Mayo Clinic – Rochester where he works on the Plummer Chart with a focus on clinical decision support. Additionally, he serves as a preceptor for the PGY-2 Pharmacy Informatics program.



Diana J. Schreier, PharmD, MBA, BCPS  
Senior Manager – Pharmacy Reporting and Analytics  
Mayo Clinic – Rochester, MN

Dr. Schreier received a Doctor of Pharmacy and Master of Business Administration degrees from Drake University in Des Moines, IA. She went on to complete PGY1 Pharmacy and PGY2 Pharmacy Informatics residencies at Mayo Clinic Hospital, Rochester MN. She is currently the Senior Manager of the Mayo Clinic Enterprise Pharmacy Reporting and Analytics team and the Assistant Residency Program Director for Mayo Clinic's PGY2 Pharmacy Informatics Residency.



## 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



**ACPE Universal Activity Number (UAN):** JA0000238-0000-23-007-L01-P

Mayo Clinic College of Medicine and Science designates this educational activity for a maximum of 0.75 ACPE Knowledge-based contact hours. Participants should claim only the credit commensurate with the extent of their participation in the activity

#### ANCC

Mayo Clinic College of Medicine and Science designates this activity for a maximum of 0.75 ANCC contact hours. Nurses should claim only the credit commensurate with the extent of their participation in the activity.

#### AAPA



Mayo Clinic College of Medicine and Science has been authorized by the American Academy of PAs (AAPA) to award AAPA Category 1 CME credit for activities planned in accordance with AAPA CME Criteria. This activity is designated for 0.75 AAPA Category 1 CME credits. PAs should only claim credit commensurate with the extent of their participation.

## 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](http://ce.mayo.edu) after completing the evaluation and claiming credit.

Live attendance: Rochester, Saint Mary's Campus, ALF\_MN\_459

Live virtual attendance via [Zoom link](#)

## 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:

- Benjamin J. Anderson, PharmD, MPH, FASHP
  - Declares no financial relationship(s) pertinent to this session
  - Declares off-label use of medications will not be discussed during this presentation
- Diana J. Schreier, PharmD, MBA, BCPS
  - 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             | • Wayne Nicholson, MD, PharmD, BCPS    |
| • Andrew Herber, PA-C                         | • Garrett Schramm, PharmD, FASHP, FCCP |
| • Sarah Jane Kotval, BSW                      |  |
| • Scott Nei, PharmD, BCPS, BCCCP, FCCM, FMSHP |  |

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](http://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.**