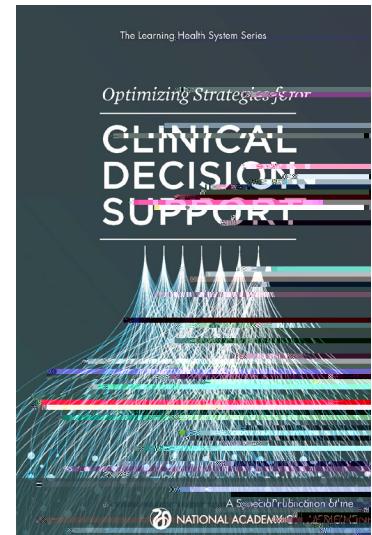


Accelerating Progress in Clinical Decision Support Quality & Use

A Project of the NAM Leadership Consortium on Value & Science-Driven Health Care

The Clinical Decision Support (CDS) field is rapidly advancing, with many new tools and strategies emerging. The National Academy of Medicine (NAM) and its Office of the National Academy of Sciences, Engineering, and Medicine (OENAM) have developed a series of reports titled "Optimizing Strategies for Clinical Decision Support: Summary of a Meeting Series," which provide a comprehensive overview of the current state of CDS and recommendations for future research and implementation.

Common Themes That Emerged



Key themes that emerged from the meeting series include:

- Integration of CDS with electronic health records (EHRs) and other clinical information systems.
- Development of user-centered design principles for CDS interfaces.
- Implementation of machine learning and artificial intelligence to improve CDS performance.
- Addressing the challenges of CDS implementation, such as provider resistance and lack of standardization.
- Ensuring the safety and effectiveness of CDS through rigorous testing and validation.
- Promoting the use of CDS in diverse patient populations and clinical settings.
- Developing guidelines and best practices for the use of CDS in clinical decision making.

Priorities for Collaborative Action

- Establish CDS standards and guidelines.
- Engage federal agencies to support CDS development and integration.
- Develop a national CDS strategy.
- Promote the use of CDS in diverse patient populations.
- Address the challenges of CDS implementation.
- Develop guidelines for CDS use in clinical decision making.
- Support research on CDS effectiveness and safety.
- Engage patients and providers in CDS development and use.
- Develop machine learning algorithms for CDS.
- Address the ethical implications of CDS.
- Develop CDS for rural and underserved populations.
- Address the cost of CDS implementation.
- Develop CDS for specific clinical specialties.