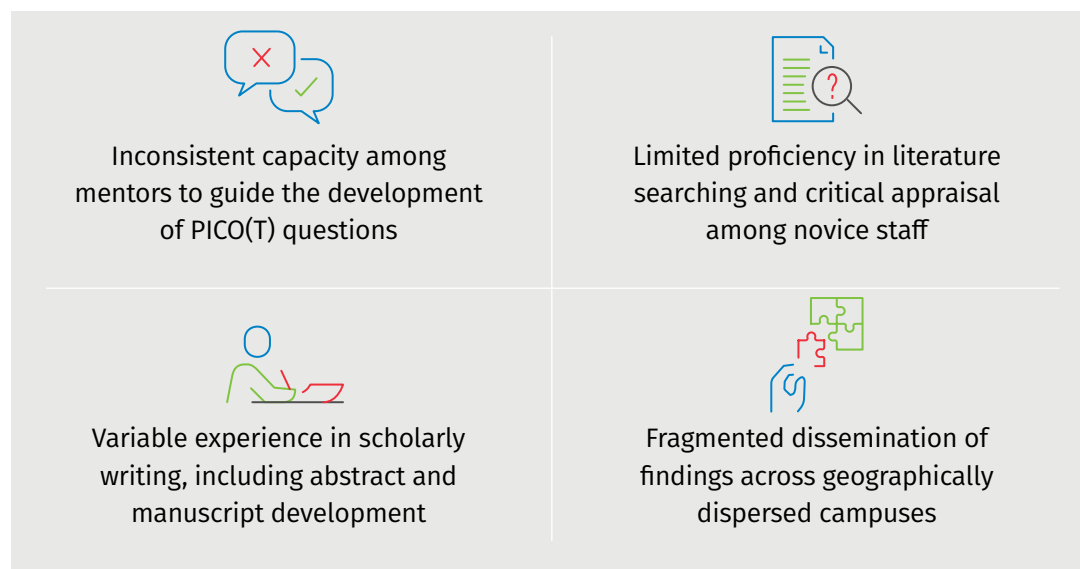

How a 13-hospital health system scaled impact of EBP and QI with Ovid® Synthesis Expert AI



The challenge

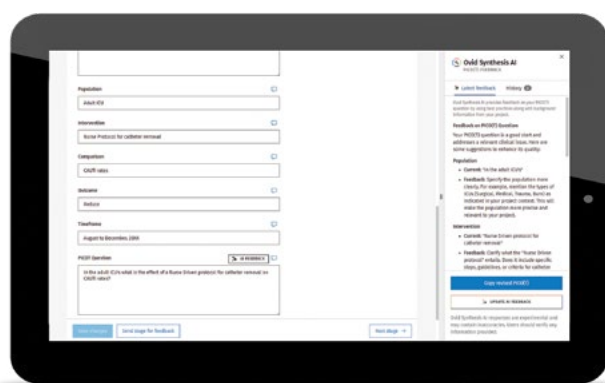
Across a large, northeastern integrated health system of rural and suburban hospitals, frontline nursing and interprofessional staff were conducting various small-scale, budget-neutral evidence-based practice (EBP) and quality improvement (QI) initiatives. However, these projects were frequently hindered by wide variations in research experience and methodological fluency:



The solution

The Director of the Center for Nursing Research and Quality Outcomes at one of the system's medical centers describes Ovid Synthesis Expert AI as a valuable adjunct to traditional mentorship, offering evidence-informed scaffolding to support project development and execution.

For staff initiating EBP or QI projects, the AI PICO(T) Question Feedback Feature provides refinement of PICO(T) questions, often surfacing conceptual gaps or alternative framing that mentors could integrate into developmental feedback. According to the Director, this feature enhanced both the precision and clarity of project aims.



AI PICO(T) Question Feedback



About Ovid Synthesis Expert AI

Ovid Synthesis Expert AI is now available as an optional add-on to the Ovid Synthesis platform. The AI functionality helps organizations accelerate evidence-based practice (EBP), quality improvement (QI), and research projects by streamlining manual and rigorous research tasks. The features address three critical barriers:

- Delayed feedback to overburdened mentors,
- Time-consuming and uneven literature appraisal, and
- Manual dissemination processes.

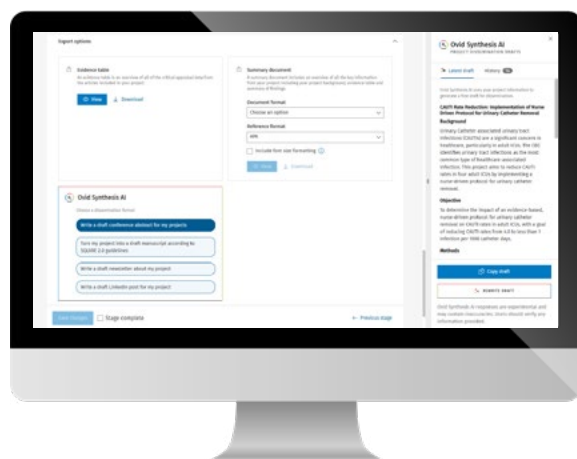
With features that support precise PICO(T) question development, high-quality critical appraisals, and rapid dissemination of findings, Ovid Synthesis Expert AI empowers clinicians and educators to scale their impact – regardless of research experience or location.

The AI Critical Appraisal Insights Feature improved the efficiency and quality of the critical appraisal process. It enabled more comprehensive literature reviews by surfacing studies that novice users might otherwise overlook, including qualitative studies and gray literature. Additionally, the AI-generated summaries facilitated comprehension, especially for clinicians whose primary language is not English, by distilling essential methodological and results components of each source.



AI Critical Appraisal Insights

Crucially, the AI Project Dissemination Drafts transforms project outcomes into ready-to-share formats like drafts for manuscripts aligned with SQUIRE guidelines, abstracts, and newsletters. This reduced the cognitive and procedural load on novice author. The Director notes that by reversing the conventional writing order — starting with methods and results, then progressing to the introduction — staff were more likely to complete and submit projects for dissemination.



AI Project Dissemination Drafts

“We’re now seeing clinicians who have never published before complete and submit abstracts,” they state. “This reflects both increased confidence and a more accessible path to scholarly contribution.”

“I would recommend Ovid Synthesis Expert AI features to other organizations without hesitation.”

- Director, Center for Nursing Research and Quality Outcomes

The results

Implementation of Ovid Synthesis Expert AI at this medical center yielded several measurable outcomes:



More coherent and methodologically sound PICO(T) questions



Improved quality and consistency in critical appraisals, particularly among clinicians with limited research training



Enhanced writing efficiency, contributing to accelerated dissemination timelines

The Director emphasizes that the platform is not only benefiting active projects but also serving as a capacity-building tool for mentors and novice practitioners alike. Current users include BSN-prepared nurses developing foundational project skills, as well as experienced mentors seeking to standardize and elevate their guidance.

Looking ahead, the medical center plans to expand the use of Ovid Synthesis Expert AI to doctoral-prepared clinicians (DNP and PhD) throughout the system and to extend its integration across the Innovation and Medical Education Departments. This expansion aims to promote cross-functional collaboration, scholarly engagement, and systemic innovation.

Conclusion

The implementation of Ovid Synthesis Expert AI across the health system demonstrates how thoughtfully designed technology can support high-impact improvement work across a complex healthcare system. By addressing variability in research proficiency and reducing barriers to scholarly writing and dissemination, the platform has emerged as a strategic enabler of organizational learning and quality advancement.

With expanded adoption, the health system anticipates further embedding Ovid Synthesis Expert AI into its academic-practice ecosystem, supporting both project-level execution and broader institutional goals for clinical inquiry, innovation, and improvement.



Scalable Mentorship Support

Ovid Synthesis Expert AI enhances traditional mentorship by providing structured AI feedback, helping both novice and expert users complete and disseminate more improvement projects.



Complete More High-Quality Projects, Faster

Clinicians receive real-time support for developing PICO(T) questions and conducting appraisals, enhancing project quality, and reducing time spent on manual tasks.



Accelerated Dissemination Drives Scholarly Engagement

Ovid Synthesis Expert AI transforms project outputs into shareable formats, like manuscripts aligned with SQUIRE guidelines, abstracts, and newsletter drafts, helping teams quickly showcase their work and make more impact.



Ovid Synthesis Expert AI supports nurse leaders, clinical educators, and QI professionals across the continuum in elevating the quality, speed, and impact of their improvement work.

Visit synthesis.ovid.com to learn more, or contact sales@ovid.com for a personalized demo.

