

PRINT- OSF tests new platform to help providers spot patient health trends

CliniPane reduces information overload and improves provider decision-making

OSF HealthCare is piloting a new clinical intelligence platform designed to help medical providers quickly identify meaningful trends in patient data without interrupting care or adding clicks to already busy workflows.

The platform, called *CliniPane*, was developed through [OSF Innovation](#) and interfaces with a patient's electronic health record, surfacing key insights at the point of care. Leaders say the goal is to reduce information overload while supporting faster, more informed clinical decisions.

Roopa Foulger, vice president of Digital Innovation Development at OSF Innovation, says the Peoria-based health system's innovation ecosystem provided end-to-end support to develop CliniPane. That ecosystem includes internal funding through [Jump ARCHES](#) and [Community Health Advocacy](#) grants and academic research partners at the University of Illinois in Chicago and Urbana-Champaign.

The project also required collaboration with clinicians to understand what information is most useful during patient visits. Foulger says that early groundwork allowed the team to focus on real clinical needs before scaling the technology.

A new way to see data

OSF Innovation Senior Fellow Jonathan Handler, MD, who launched the effort and served on the research and development team, says traditional decision-support tools often rely on alerts or buried menus that can disrupt care or go unused.

"At the end of the day, we just wanted a new way to surface information to help clinicians during the care that they provide without making them do work and without interrupting their workflow."

Rather than generating alerts, the platform displays relevant trends, such as lab values moving in the wrong direction. That information is directly within the clinician's view and tailored to the provider's role and the patient being seen.

"You may not notice that this person has been trending downward and that that's a sign of something wrong, and by showing it (with CliniPane), we can potentially help them identify the underlying problem earlier so it can get diagnosed earlier and treated earlier."

Dr. Handler says surfacing useful data can also help providers decide about whether to adjust medication types or doses.

Visual trends at the point of care

Visualization of data via CliniPane is something Dr. Handler sees as an important feature for patients as well. Physicians in the early testing group reported that during patient visits, they anticipated turning their screen around to show patients the same data they were reviewing.

"That might be something really meaningful to help patients to be empowered to participate in their own care, to understand their health and to see the impact of the changes that they make in their own lives and how it can impact their health."

There are current solutions that can surface insights for clinicians in a patient's electronic health record but usually not in a way that doesn't require clicking to new screens or that allows future uses to accommodate external data from things such as smart watches or ever-expanding AI software. Foulger says that's what's different about CliniPane. It's a platform that can be enhanced.

Built to Scale and Adapt

"Any data can come in – whether it's variable data, whether it's data from your EMR (electronic medical record), whether it's data from a remote patient monitoring system we have, and that's how the structure is. So, we can integrate more data that might be able to generate insights which, at the end from a user experience standpoint, ensures that it's going to be valuable for the clinician."

Foulger points out that researchers and developers also spent time collaborating with Information Technology leaders at OSF to ensure the platform securely protects patient data. It was a huge lift, Foulger says, to ensure data goes only to the right medical provider and that only data needed for decision support was provided at every level.

Because of those and other challenges, developers had to pivot many times. In fact, Foulger says there were at least 50 test versions of CliniPane.

"This is almost a new blueprint that we created at OSF in how you need to build these solutions that can fit with the growing needs on the AI side and how it needs to integrate with security."

Physician feedback

Justin Holschbach, MD, an OSF HealthCare primary care physician in Bloomington, Illinois, has participated in the pilot. He agrees that the visual trend lines available via CliniPane have been helpful, especially for diabetes management.

"So, if we're talking about diabetic control and an A1C, you were able to just kind of – in the corner of your screen – see whether the line was holding steady, going down or going up without having to click into multiple labs and see that in a different screen and get off of your space in Epic."

The platform is currently being tested by a small group of primary care providers, with plans to expand access as technical validation continues. Developers say ongoing feedback from physicians is shaping future enhancements and helping determine which data points provide the most value.

Holschbach sees a future with expanded uses of data, and he believes CliniPane will eventually become standard of care, at least at OSF HealthCare.

Innovation leaders believe CliniPane could eventually support multiple specialties and even improve patient health outcomes by turning complex data into clear, actionable insights without adding burden to clinicians.