CliniPane: Real-Time, Non-Interruptive Al Integration with EMR Systems

TOMORROW

Ċ

Trevor Bonesteel, Nick Cohen, Roopa Foulger, Dr. Jonathan Handler, Spencer Mcdaniel, Nick Mehn, Dakota Reed, Robert Ridley

PROBLEM TRYING TO SOLVE

- Quality of Care: Providing clinical decision support (CDS) to help improve the quality of care
- **Reduce Clinician Fatigue**: Interruptive pushed alerts disrupt workflow and can lead to alert fatigue, while multiple data points need to be pulled by each clinician to trend results.
- Health Care Affordability: Addresses the problem of high health care costs by reducing unnecessary tests and treatments.

Test, A	bby
F, 80 years old, MRM	4: 0000000000
Hemoglobin VERY LOW and FALLING (-1 g/dL)	(5.3 g/dL)
Consider transfusion	
The drop began 3-22 days ago, tach down from prior	with limt 2 result(s)
6 @ 7	More Info
Hemoglobin VERY LOW	(5.3 g/dL)
Recommended Action)	
4 V P	More Info
Hemoglobin low (9.3 g/d and folling (-1 g/dL)	L)
Consider transfusion	
The drop began 3-22 days ago, tach dawn from prior	with last 2 result(s)
∆ © ₽	More Info
Hemoglobin low (9.3 g/d	L)
Recommended Action]	
∆ © 7°	More Info
Hemoglobin falling (-2.4 now 11/2 g/dL	g/dL};
Recommended Action)	
The drop began 3-22 days ago, tach dawn from prior	with last 2 result(s)
6 @ 7	More Info
	413
Hemoglobin low (-2.4 g/i	
Hemoglobin low (-2.4 g/i Recommended Action)	<i>a</i> L)

OUTCOME/GOALS/IMPACT TO PATIENT

- Better Patient Outcomes: With personalized and timely information, CliniPane helps in making more accurate diagnoses and treatment plans
- **Increased Efficiency**: CliniPane combines relevant data into a concise format for clinicians to efficiently access and review patient information.
- **Cost-Effectiveness**: By avoiding unnecessary tests and treatments, CliniPane can lead to cost savings for both health care providers and patients.

JOURNEY TO GET THERE/PLANNED JOURNEY

- Develop an application that provides real-time, non-interruptive, ambient, contextually relevant, advanced AI-driven clinical decision support.
- Receive real-time or near-real-time updates of user, patient and other clinical context from the EMR.
- Enhance CliniPane as needed to allow for implementation at OSF HealthCare for betatesting.











OSF INNOVATION

SCAN HERE FOR A MOBILE EXPERIENCE!



