

Our vision is to simplify the practice of medicine which is based on the following beliefs:

Administrative Overhead as a Barrier
Administrative overhead is the leading source of complexity in medical practice, often diverting valuable time and resources away from patient care. We believe that by addressing this issue head-on, we can unlock the full potential of healthcare professionals to focus on what truly matters: the health and well-being of their patients.

Transformative Power of AI in Administration
We believe that AI can fundamentally transform the healthcare industry by streamlining administrative tasks. By prioritizing the reduction of administrative overhead, we gain greater leverage and generalizability, creating solutions that benefit a wider range of healthcare contexts beyond specific clinical conditions. This shift has the potential to create a more efficient and effective healthcare system.

Empowering Individuals First
Our approach starts with empowering individuals and end-users, recognizing that positive impacts at this level can drive meaningful change within provider organizations and the healthcare industry at large. By prioritizing the needs of patients and healthcare workers, we lay the groundwork for a broader transformation that enhances the entire healthcare ecosystem.

AI-first application development has more moving parts and is more iterative than traditional application software development.

AI solutions, including GenAI solutions, are also brittle in that changing anything changes everything.

Cutting corners can introduce significant technical debt that can be hard to pay back. We consider three key moving parts: Data, Workflow and Experience to illustrate the complexity of AI-first solutions.

Data and Process Aware System of Intelligence for Healthcare

In short, for most customers, achieving a usable AI solution that delivers value quickly is extremely challenging without a platform like ThetaRho. However, with an AI-first application like RISA from ThetaRho, built on a System of Intelligence, the heavy lifting is already done. This allows our customers to harness AI capabilities faster and more cost-effectively, without straining their resources.

Systems of Engagement



Systems of Intelligence



Systems of Record



RISA is a fully embedded AI enabled app on your EHR that has a single pane chat window for the providers to query patient data using natural language.

With the amount of patient data generated within the practice and from other providers, you need a dedicated specialist to manage the data effectively. RISA is the missing link in a practice to deal with all the patient data and provide a single pane access to right data at the right time using natural language interface.

Natural language interface

Information such as medications, lab results, patient history, condition, and record of care from other organizations forms the basis for doctors to diagnose and treat patients. Allowing the physicians to express their information needs as questions can reduce their cognitive load.

RISA helps you to reduce the number of clicks to get to key patient data and instead ask for right data at the right time. For example:



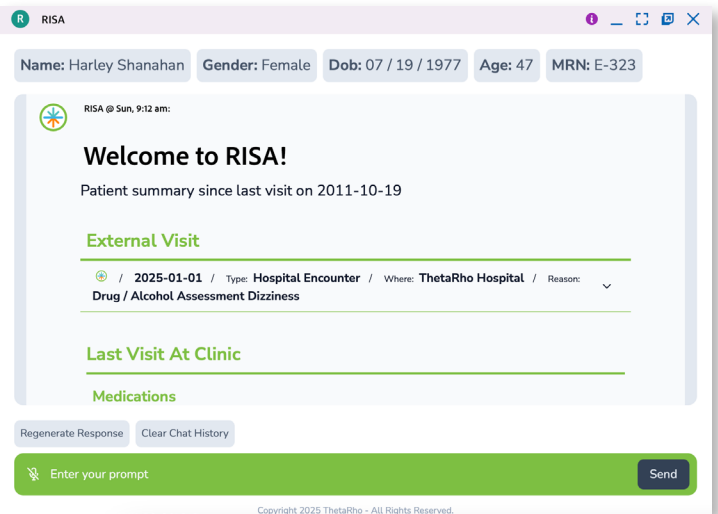
Dr. Smith @ Mon, 4:05 pm:
Show me the latest medication changes for this patient



RISA @ Mon, 4:06 pm:
The patients' Omeprazole dose changed to 40 Mg and Atorvastatin to 20 Mg.

Single pane for all patient data

RISA presents all the patient data from within and outside your organization in a single pane, and allows users to use text or voice to access information pertinent to each situation.



RISA

Name: Harley Shanahan Gender: Female Dob: 07 / 19 / 1977 Age: 47 MRN: E-323

RISA @ Sun, 9:12 am:

Welcome to RISA!

Patient summary since last visit on 2011-10-19

External Visit

2025-01-01 / Type: Hospital Encounter / Where: ThetaRho Hospital / Reason: Drug / Alcohol Assessment Dizziness

Last Visit At Clinic

Medications

Regenerate Response Clear Chat History

Enter your prompt Send

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Search across internal and external patient dataset

RISA allows physicians to search for key patient information from EHR, clinical care documents from other organizations (CCDA) as well as patient generated data and find insights across the patient timeline.



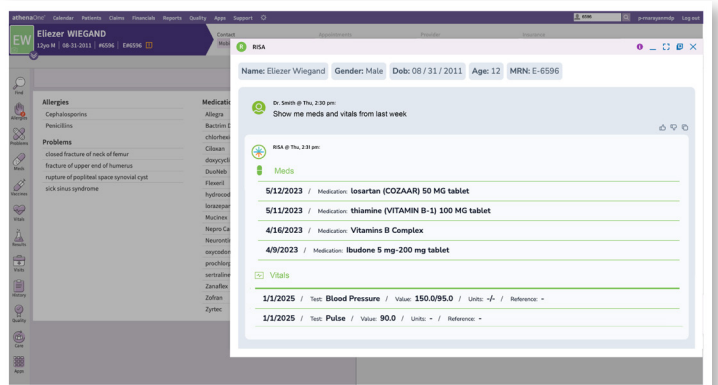
Dr. Smith @ Thu, 2:31 pm:
Did the patient visit the hospital recently?



RISA @ Thu, 2:32 pm:
Yes, the patient has been to the hospital twice in the past month, on Oct 23rd and Oct 25th.

Embedded into EHR

RISA is fully integrated into athenahealth EHR patient chart for seamless user experience.



athenahealth

Eliezer WIEGAND
Male M / 08-31-2011 / MRN: E-6596

RISA

Name: Eliezer Wiegand Gender: Male Dob: 08 / 31 / 2011 Age: 12 MRN: E-6596

Dr. Smith @ Thu, 2:28 pm:
Show me med and vitals from last week

RISA @ Thu, 2:30 pm:

Meds

5/12/2023 / Medication: losartan (COZAAR) 50 MG tablet

5/11/2023 / Medication: thiamine (VITAMIN B-1) 100 MG tablet

4/16/2023 / Medication: Vitamins B Complex

4/9/2023 / Medication: Ibuprofen 5 mg-200 mg tablet

Vitals

1/2/2025 / Test: Blood Pressure / Value: 150.0/95.0 / Units: mmHg / Reference: -

1/2/2025 / Test: Pulse / Value: 90.0 / Units: / Reference: -

We are seeking a few physician groups that use athenahealth to help finalize the product. please contact us at contact@ThetaRho.ai for more details.