SUMMARY

CUSTOMER
RxMx

CHALLENGE
Delivering scalability, performance and responsiveness to RxMx solutions

OUTCOME
A strong partnership that will support rapid changes in RxMx's commercial and operating environment - including taking on new operating sites, patients and medicines

RxMx Migrates to InterSystems IRIS for Health to Increase Agility in Developing Patient Monitoring Systems

Fast-growing Australian medical technology company RxMx has built and deployed an automated patient monitoring system for complex medicines that require ongoing laboratory testing for potential adverse effects. Built upon an InterSystems database platform, the system uses real-time algorithms to detect at-risk test results and alerts doctors, nurses and patients via emails, texts and mobile apps. To increase agility, RxMx is expanding its relationship with InterSystems and migrating to the InterSystems IRIS for Health™ data platform.

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> **IT IS AN INCREDIBLY FAST-MOVING FIELD. WE ARE FORTUNATE THAT INTERSYSTEMS IS WILLING TO INNOVATE WITH US TO KEEP AHEAD.**
>
> **SEAN RIMINTON,**
> RXMX CO-FOUNDER.

IRIS for Health - A health-specific solution

InterSystems IRIS for Health™ is the first and only data platform engineered specifically for healthcare. It extends the InterSystems IRIS Data Platform, which combines transaction processing and analytics with embedded interoperability to offer a fast development platform for building mission-critical applications at scale.

IRIS for Health adds healthcare-specific capabilities for real-time connected care solutions. It includes a framework for rapid development of solutions using Health Level Seven (HL7) Fast Healthcare Interoperability Resources (FHIR).

A data platform that adapts to a rapidly changing environment

InterSystems is working with RxMx as it migrates to IRIS for Health to ensure that the database platform continues to evolve in response to rapid changes in the commercial and operating environment, including taking on new operating sites, patients and medicines.

“It is an incredibly fast-moving field. We are fortunate that InterSystems is willing to innovate with us to keep ahead,” said RxMx Co-founder, Associate Professor Sean Riminton. “As RxMx goes from strength to strength, the volume of data that we collect, analyse and report increases dramatically. We, therefore, need adaptability from our core technology vendor to be able to rapidly recruit new sources of information into our network.”

Container technology to aid continuous deployment

“We are working towards continuous deployment and we know that InterSystems IRIS for Health can facilitate that with support for container technology,” said Ben Rhodes, Chief Technology Officer for RxMx, adding that the company’s interoperability requirements are also expanding. “As we scale up to support multiple new medications in markets such as the U.S. and Europe, we may have to integrate with 10 or more different laboratories and vendors, each providing real-time data feeds to a single RxMx platform.”

Scalable from the start

The scalability, performance and the responsiveness of InterSystems are critically important to RxMx, said Rhodes. “With InterSystems, RxMx never experiences issues with the database. The system just runs, and the performance will scale to whatever we need. It is important to know that InterSystems is there to make it work and will always send the right people to help us should we need them.”

And scalability is a real issue for RxMx as it has been growing at 193 percent year-on-year – a growth rate recognised in the Deloitte Technology Fast 50 2018 and The Australian Financial Review’s Fast Starters 2018 lists.

“With clinically proven technology solutions that improve patient safety, and which are deployed around the world, RxMx has achieved an enormous amount in a very short time,” said Luciano Brustia, Regional Manager for InterSystems. “With InterSystems IRIS for Health, we look forward to partnering with RxMx to meet whatever technology challenges lie ahead.”