

How Interoperability Enables Seamless Movement of Data Through and Across Systems

Health data, to a large extent, is still siloed and locked in health information systems that cannot meaningfully interact with each other. Interoperable systems bring the ability to easily process data from different sources, which is critical to liberating health data and implementing shared, truly patient-centered models of care. But what do interoperable systems and successful integration projects really look like in practice?

This case study profiles a successful integration project between The Clinician, with their digital health platform ZEDOC, and MediRecords, a leading practice management software provider in Australia. As this successful collaboration demonstrates, when interoperable systems and cross-vendor cooperation come together, the time and cost of integrations can be massively reduced.





About The Clinician's ZEDOC Platform

ZEDOC is used by globally leading hospitals and healthcare services to digitally monitor, inform, and empower patients while at home between clinical visits.

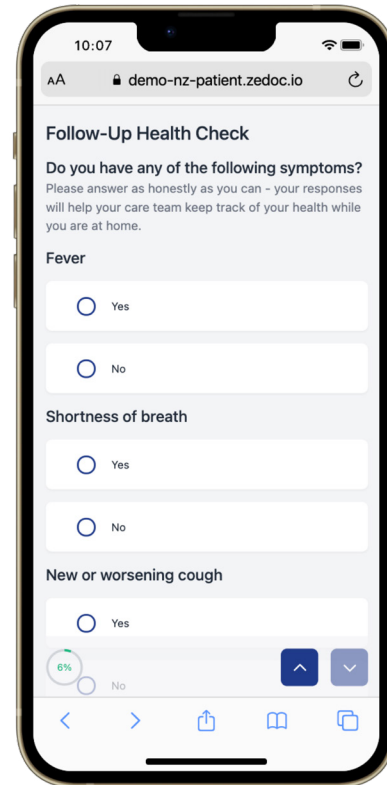
ZEDOC's success is rooted in its ability to collect, aggregate, and transfer important health data between information systems—it is, by design, highly interoperable.

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Therefore, interoperability is fundamental to ZEDOC's patient enrollment process: ensuring that enrollment can happen automatically without administrative burden or errors and supporting a diverse set of patient journeys. Through integrations, ZEDOC automatically enrolls patients into the right program and then sends back results and actionable insights that can be readily consumed and processed within other systems.

Because it is highly interoperable with the systems used by clinical teams every day, ZEDOC allows seamless access and use of the data it captures,



ensuring that information arrives in the right place, at the right time, without the need for yet another siloed system.

An often-overlooked capability that accompanies interoperability is the linking and aggregating of health data from disparate systems without any loss of meaning. This is essential in order to perform comparative analysis and benchmarking—which is key for value-based care.

With information architecture and data structures that align with leading industry standards, ZEDOC can integrate with a whole host of other health information systems more easily and more quickly than many other digital health solutions—allowing systems to start exchanging data sooner.

About MediRecords

Australia's leading clinical and practice management software, **MediRecords** is a fully integrated solution relied upon by the government organisations, GPs, specialists, and allied health professionals it was designed to serve.

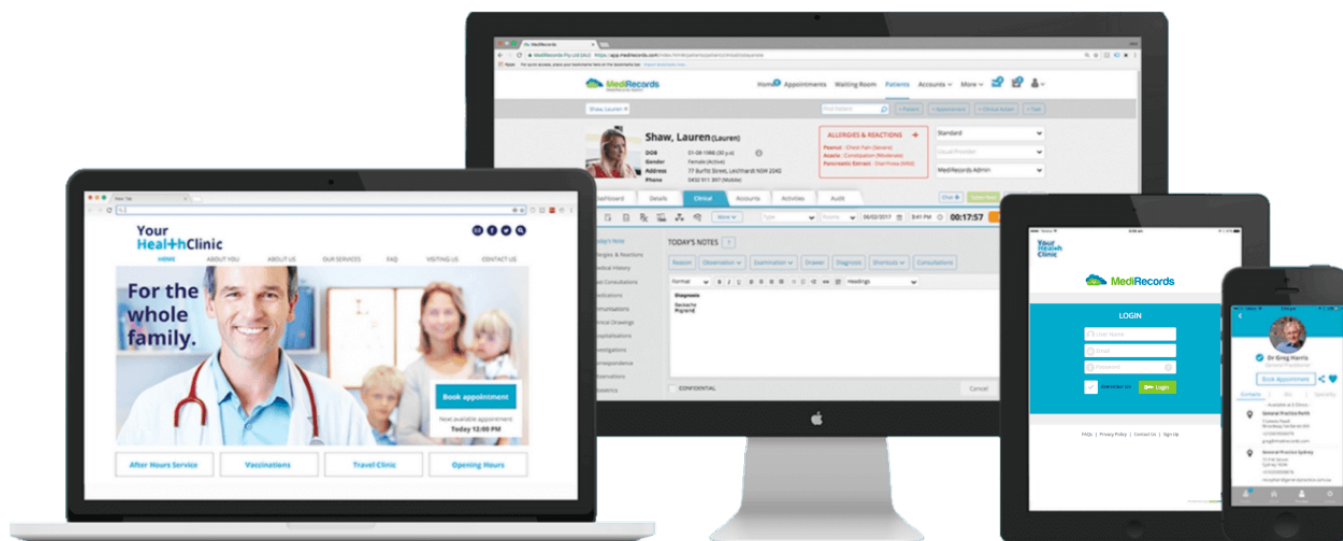
With a complete suite of real-time products harnessing the power and convenience of cloud technology, MediRecords virtually replicates the efficiencies of a traditional setting, simplifying day-to-day tasks: appointments, consultations, billing, etc.—across multiple locations, and with maximum flexibility and security. In its mission to improve patient care while reducing the costs of outdated processes, MediRecords empowers patients with improved access and enables providers to focus on delivering better patient outcomes.

Crucial to this effort is the value MediRecords places on encouraging and facilitating connections between health information systems. In fact, MediRecords' connections to secure messaging vendors and labs extend to cover over 95% of the market.

“Vendors have a tendency to lock the data in and feel that's good for business. In fact, it's not...”

“Allowing third parties to connect and exchange and share information from the platform is the way to go.”

– Matthew Galetto, CEO MediRecords





Combining Interoperable Systems to Deliver Unique Solutions:

In a recent collaboration between The Clinician and MediRecords, a sophisticated bidirectional integration was established, bringing together The Clinician's digital health platform with the MediRecords practice management system. MediRecords served as the underpinning electronic health record and source of truth for the patient registrations, while The Clinician's ZEDOC platform provided the capability to engage patients and collect important health data in their own homes, including patient-reported outcome and experience measures (PROMs and PREMs) as well as objective medical device data.

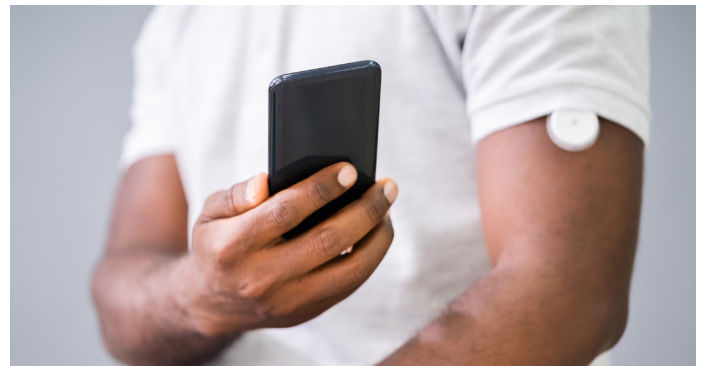
In order to achieve this, the teams were able to connect MediRecords and ZEDOC by leveraging the latest industry interoperability standard, FHIR, and SNOMED CT for clinical terminology. Thanks to the full FHIR conformance of both systems, the interfaces were able to be established within a very short timeframe: a matter of a few days.

In this particular project, ZEDOC remotely collected blood pressure and heart rate in addition to a series of PROMs and PREMs, through ontological mapping of this data between the two systems using the SNOMED CT terminology. The data was sent as a separate FHIR feed to MediRecords, which already had the framework to display the data as an observation.

Subsequently, the information captured on patients' own devices from home by ZEDOC made its way back into the MediRecords platform—contributing to the longitudinal health record of the patient.

This integration took three days to implement in its entirety. Cross-vendor integrations of this kind can often take several months to implement.

As a result of the total adherence to standards and the willingness of both vendors to work in harmony, this integration was a phenomenal success made possible by interoperability-focused design.



“This is the journey MediRecords is going on—we will open up our platform and encourage third parties through a curated process verifying their use case.

If multiple vendors like MediRecords and The Clinician are prepared to open up those systems, and support the exchange of information across platforms, there's going to be a net benefit to the healthcare sector generally and the patient in particular, and a pivot from a clinician-focused model to a patient-centric model.”

– Matthew Galetto, CEO MediRecords

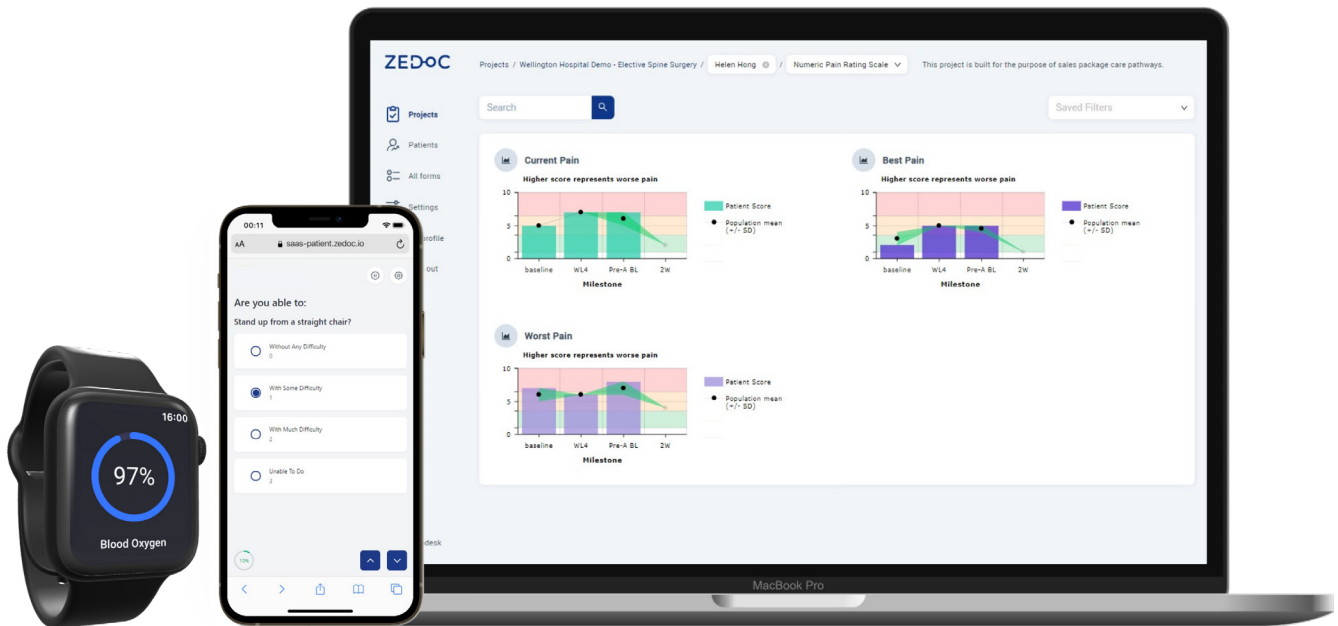


How Can ZEDOC Empower Your Systems?

Because patients move between systems along their care journeys, continuity of care is critical. Health data should follow patients along their journeys to support safe, quality, cost-effective, and equitable care.

At The Clinician, we're enabling digital care pathways to replace inefficient manual processes, allowing patient-generated health data to thrive outside traditional clinical settings.

Contact The Clinician today to see what ZEDOC makes possible.



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