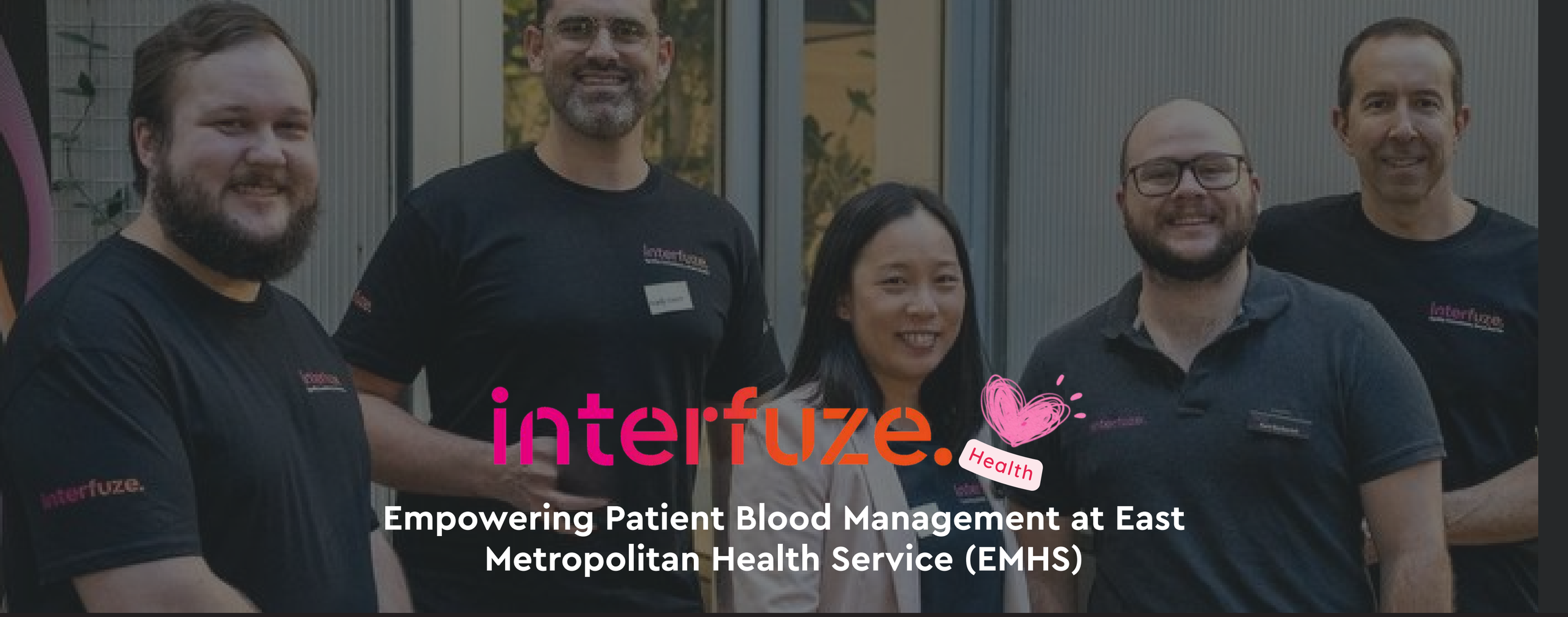


interfuze. Health

Empowering Patient Blood Management at East Metropolitan Health Service (EMHS)

A health tech solution by Interfuze and powered by

The Challenge

From 2021 to 2023, East Metropolitan Health Service identified higher-than-expected rates of blood transfusions during hip and knee surgeries. To address this, a Patient Blood Management pathway was introduced to better monitor and support high-risk patients before and after surgery.



The Challenge

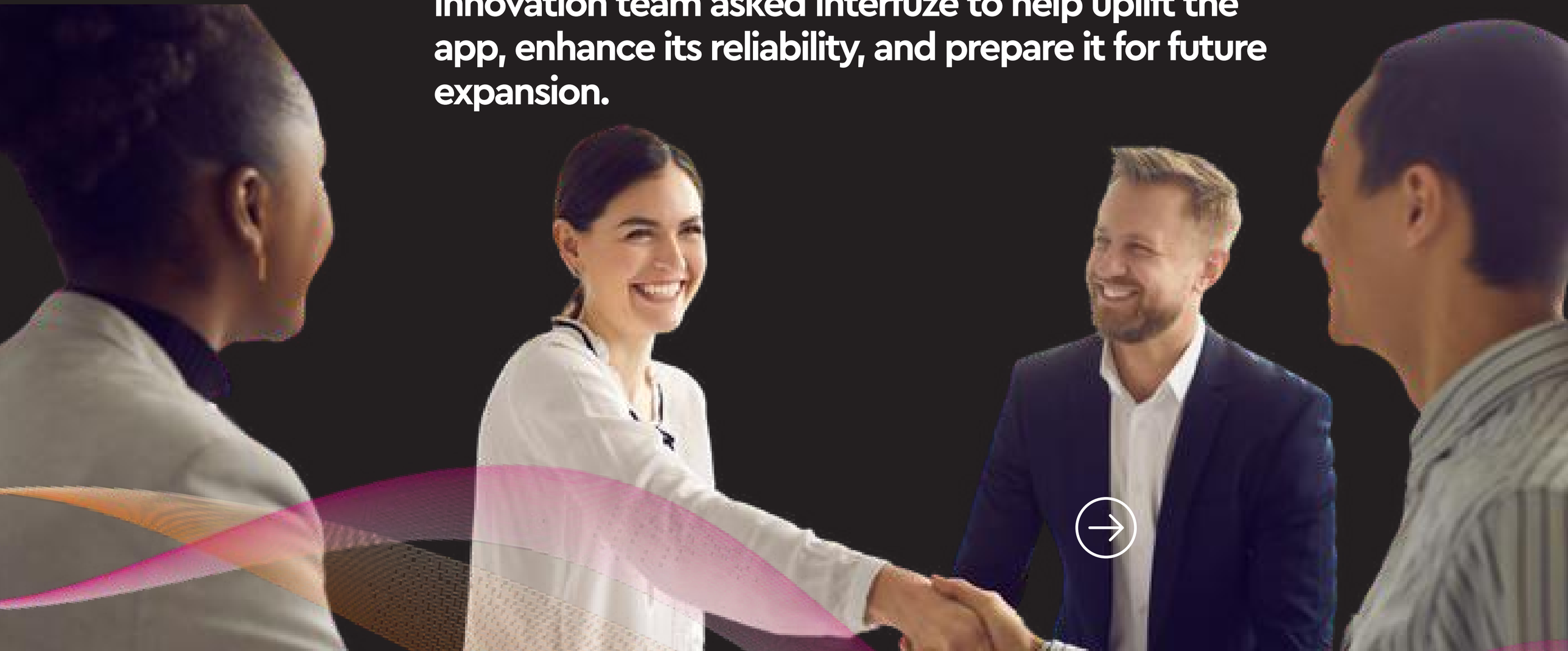
A citizen-developed Power App was created internally to help track these patients and coordinate their care. As use of the app grew, new requirements emerged and maintaining it became a challenge.



The Partnership

Image used is illustrative only

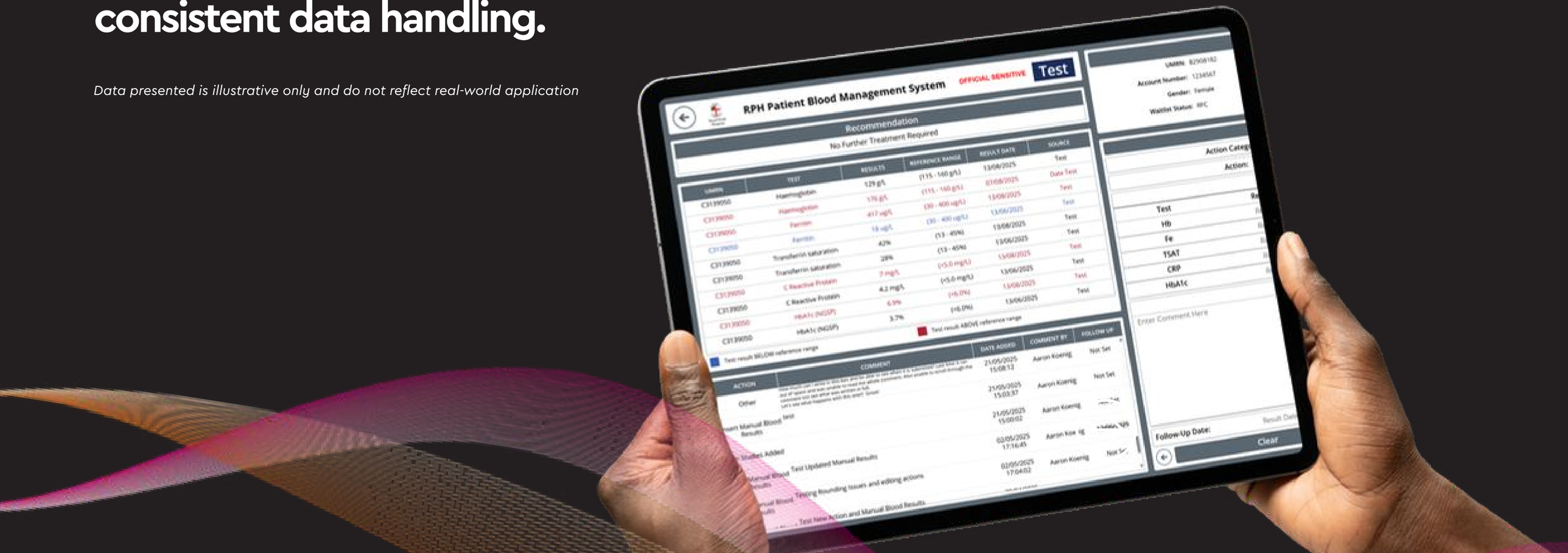
The East Metro Health Digital Design and Innovation team asked Interfuze to help uplift the app, enhance its reliability, and prepare it for future expansion.



The Solution

Interfuze approached the uplift with a clear focus on scalability, performance, and user experience. Our work involved: • Rebuilding core components of the Power App to remove failing logic and ensure consistent data handling.

Data presented is illustrative only and do not reflect real-world application



The Solution

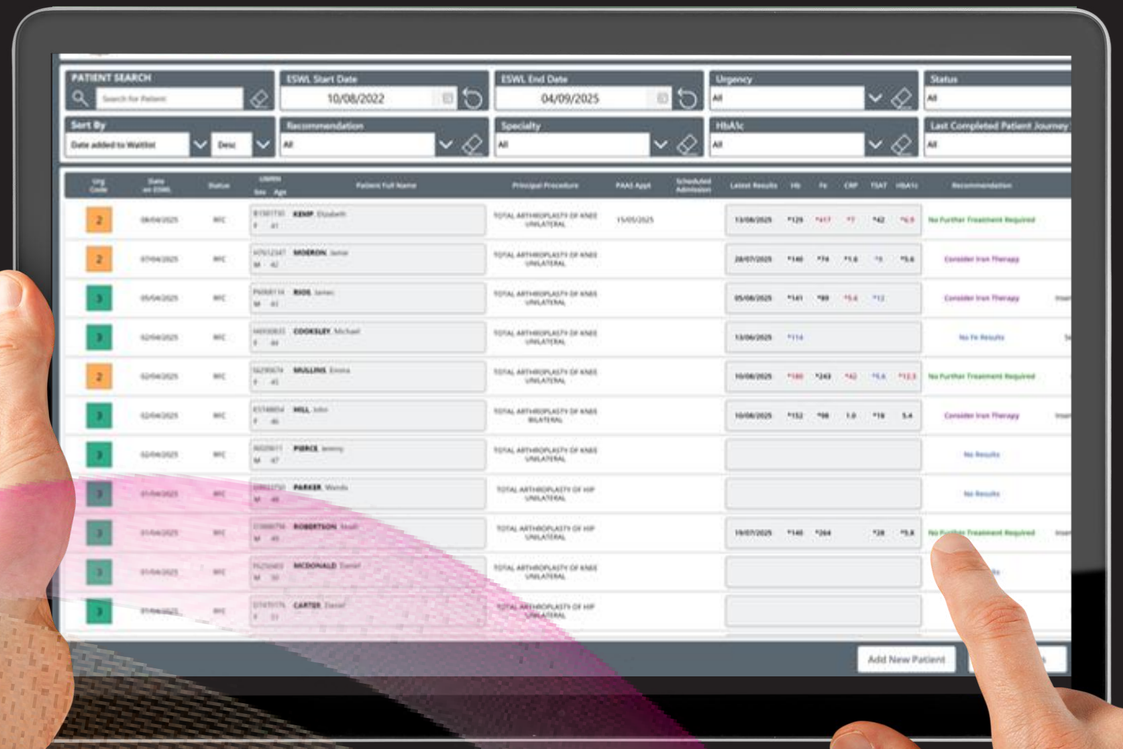
Implementing SQL stored procedures to manage Create, Update, and Delete operations directly in the database, improving reliability, maintainability, and performance.

Data presented is illustrative only and do not reflect real-world application



The Solution

Making all data queries fully delegable, targeting SQL views for faster, more accurate reporting and audit readiness.

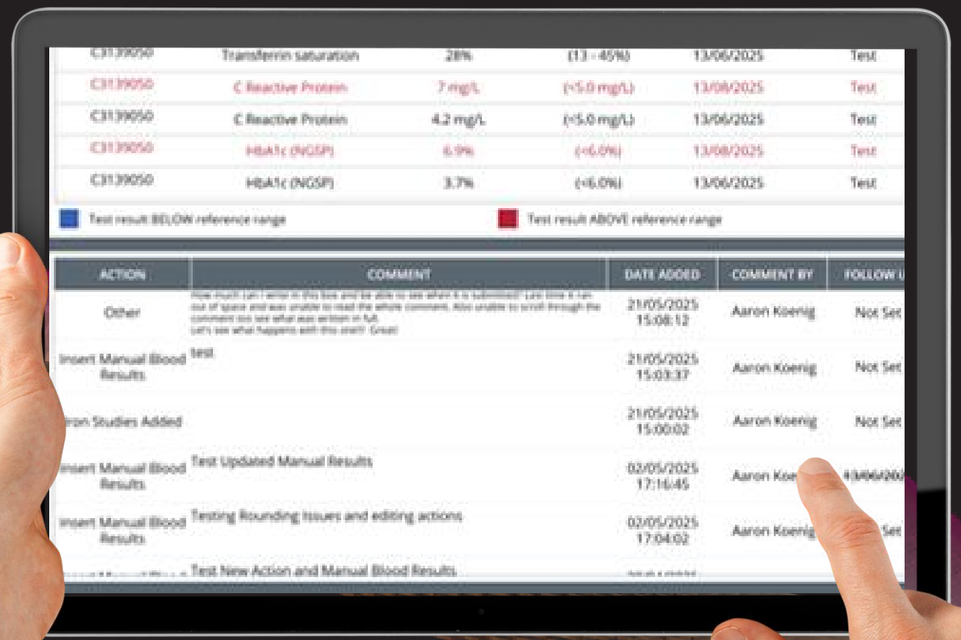


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The Solution

Redesigning the interface for responsiveness, accessibility, and readability including replacing the harsh red palette with a modern, calming clinical design that adapts across screen sizes.

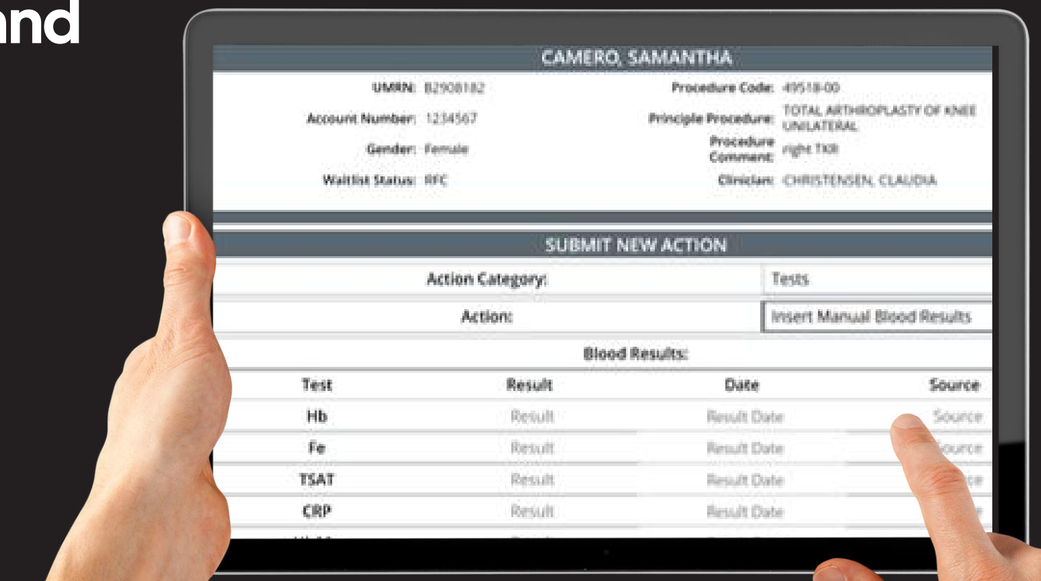
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The Solution

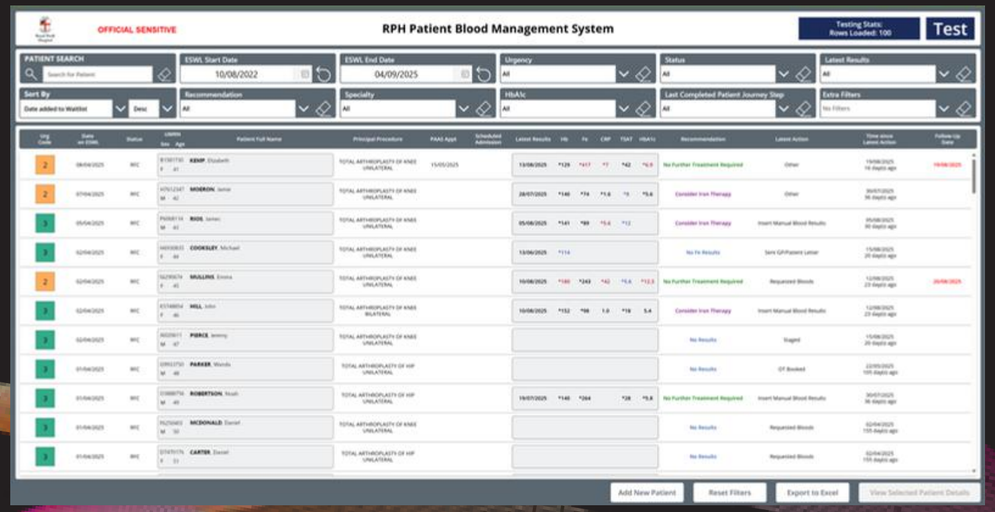
- Converting static screens into Power App Components, allowing modular updates without affecting the full application.
- Introducing new clinical tools including:
  - Patient follow-up tracking with colour-coded reminders
  - Manual blood result entry for non-integrated data sources
  - Blood result snapshotting to capture and audit patient progress over time

Data presented is illustrative only and do not reflect real-world application



The Outcome

- Significantly improved clinical efficiency
- Enabled faster, more accurate follow-ups
- Reduced duplication of effort across multiple systems
- Supported better patient management decisions





Data presented is illustrative only and do not reflect real-world application

Impact

“It certainly saves me a lot of time now with having the comments available without having to go into each patient record. I'm able to manage patients far more efficiently—the follow-up reminders and comment visibility have completely transformed my workflow.

Follow-ups that used to happen twice a week now happen daily. Reviewing ten patients used to take nearly two minutes; now it takes just 13 seconds. It's a huge improvement in efficiency.”

Patient Blood Management User at
East Metro Health Services

The Future

Next, the team at East Metro Health is using data from the app to build a Power BI dashboard that will identify transfusion trends and guide clinical decision‑making across more specialties.

Image used is illustrative only





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