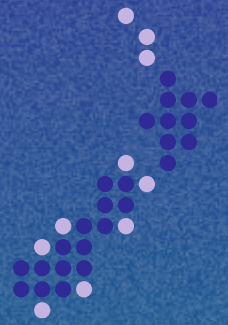
Powering Quicker and more Accurate Decision Making with Data

Andrew Aho
Regional Director, Data Platforms, InterSystems

March 2023

HEALTHCARE ORGANISATIONS ARE STRUGGLING WITH HARNESSING THE POWER OF DATA

67%
Australia

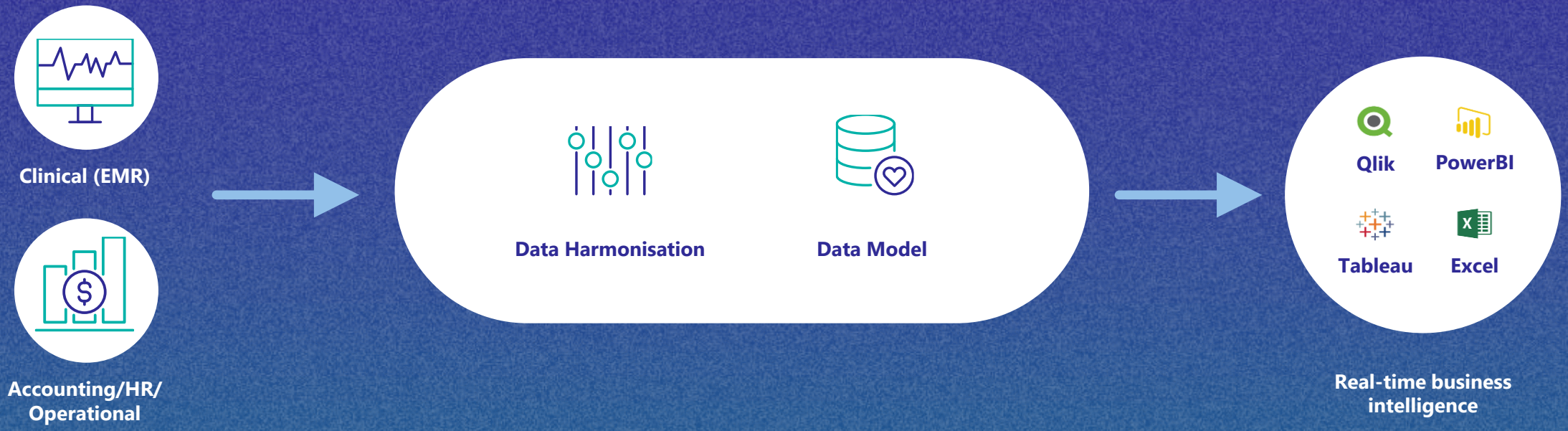


33%
New Zealand

Digital health teams

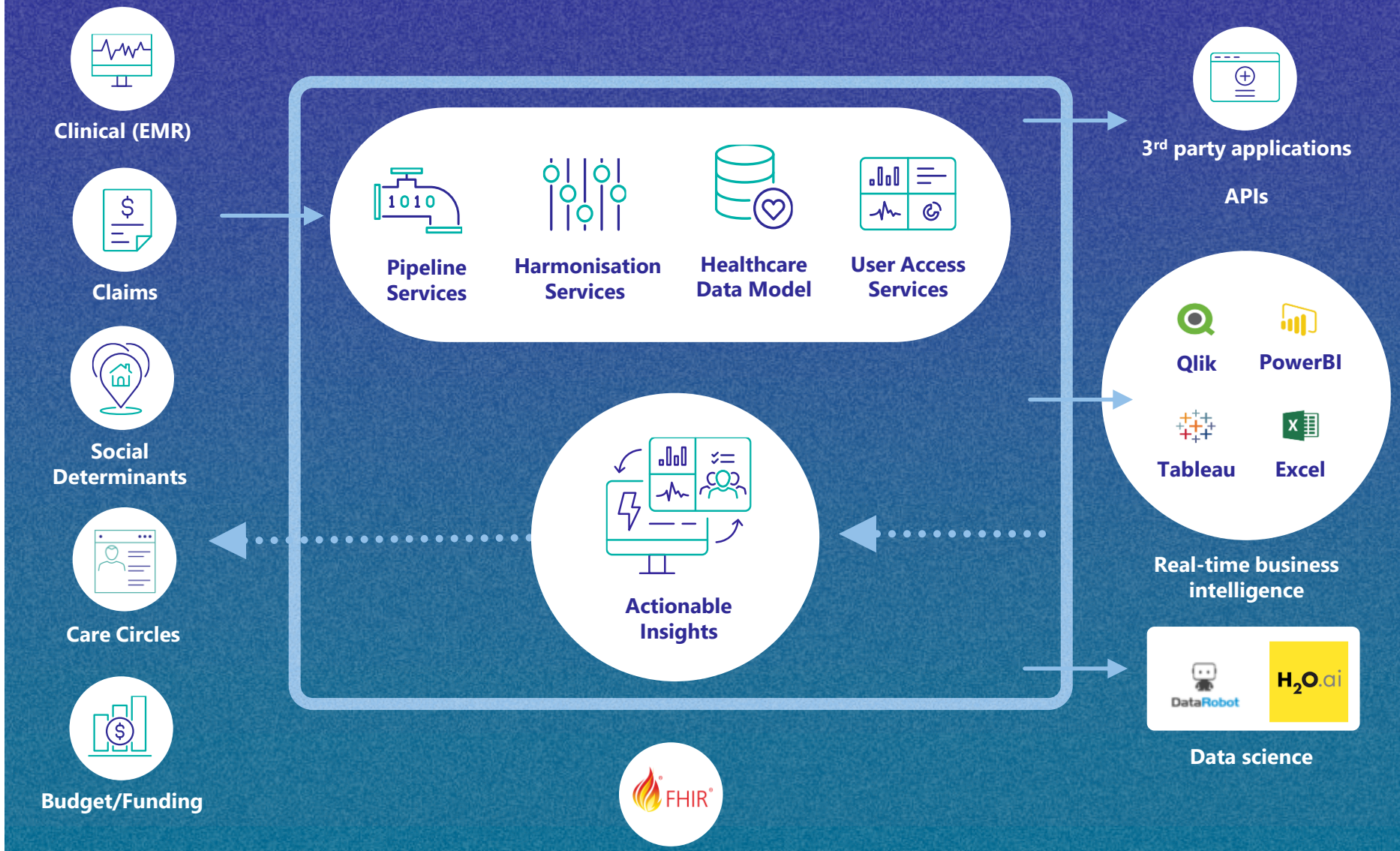
180 respondents across Australia and New Zealand.

What executives want from healthcare analytics



An Analytics Approach

InterSystems Analytics Solution



Dedalus

Epic

InterSystems
Creative data technology

medtech

ORION HEALTH

amazon REDSHIFT

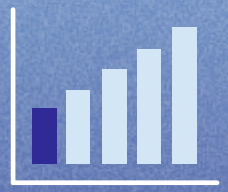
Azure Synapse Analytics

snowflake

Google BigQuery

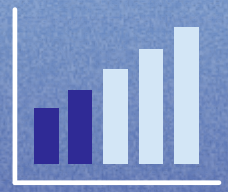
Organisations want to unlock the data and its true value

1%



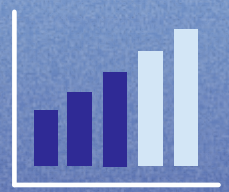
Analytics is not aligned to our overall business priorities

9%



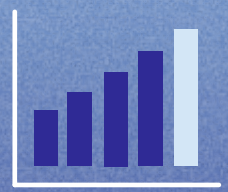
Analytics is a priority for our operations team

12%



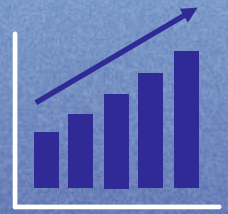
Analytics is a priority for our clinical team

60%



Analytics is one of the top 5 business priorities of the business

18%



Analytics is intrinsic to all our business priorities

Main outcomes expected from analytics solutions

44%
Identification of patient risk

41%
Improvement in patient outcomes and experience

36%
Reduction of clinical errors

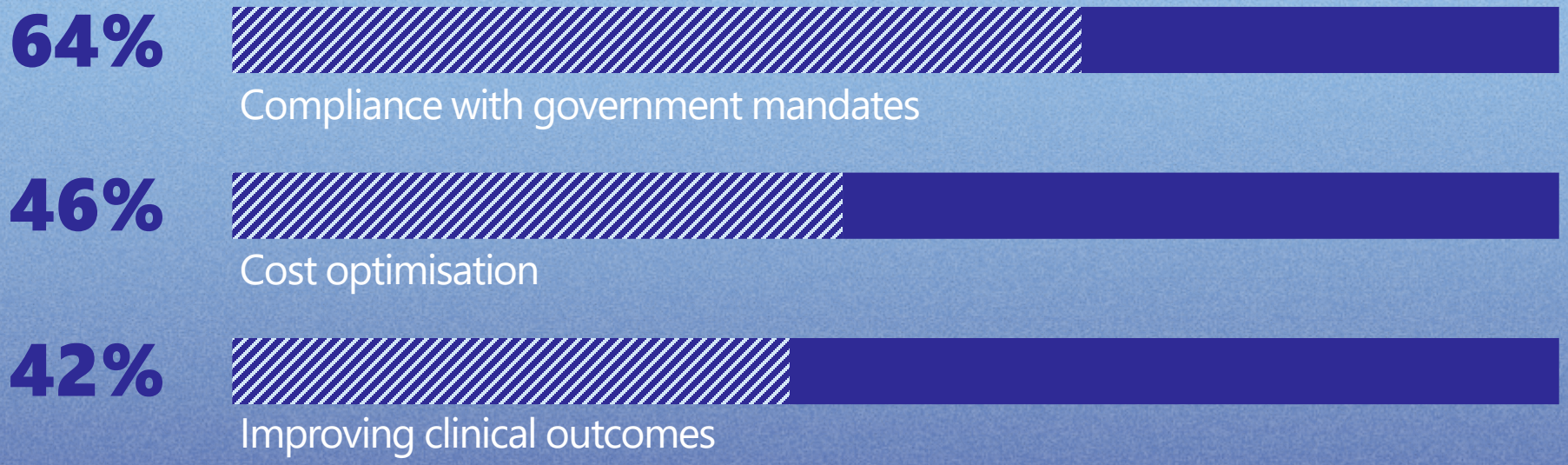
34%
Cost reduction

"The analytics solution should help the hospital to understand what treatment protocol will work best for each patient and how to provide it at the lowest cost."

Clinical Executive of a public hospital in metropolitan South Australia

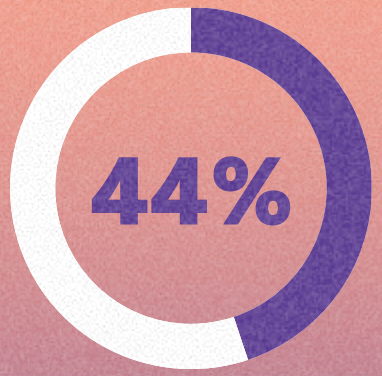
Patients are at the core of investments

Top 3 business priorities of healthcare organisations in ANZ for 2022 - 2023

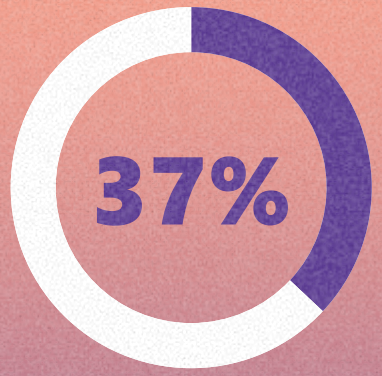


Building data synergy to resolve conflicting demands in healthcare

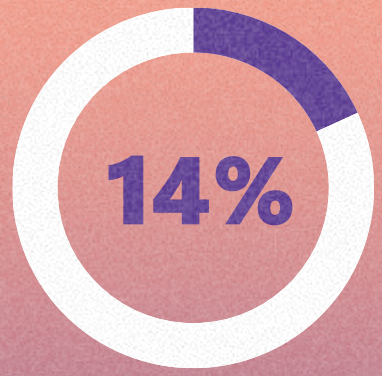
Key stakeholders' trust in the organisation's data



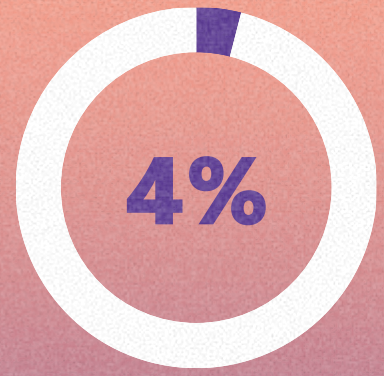
We have full trust in the data



We have some trust in the data



We are unsure of the data quality

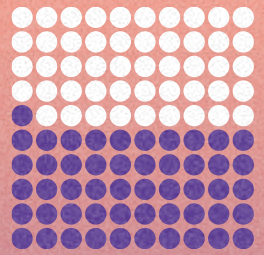


We do not trust the data at all

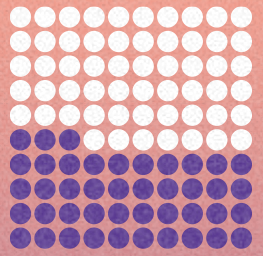
#1 More than 50% of the key stakeholders do not trust the data fully

Despite the best intentions,
why are healthcare organisations underutilising their data?

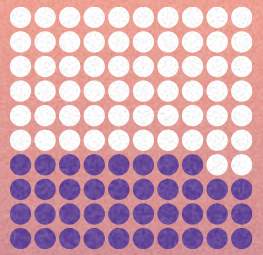
Key data challenges of analytics deployments



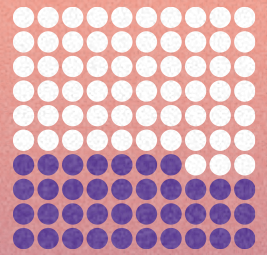
51%
Data quality



43%
Inability to access real-time data



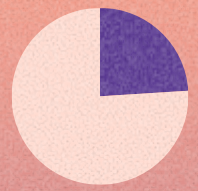
38%
Lack of a central data repository



37%
Integration of analytics solutions with other systems

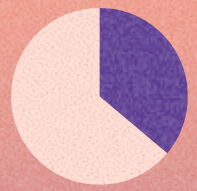
#2 Data quality and access limit success

Maturity of healthcare organisations' data strategy in ANZ



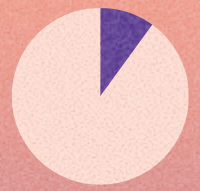
24%

Focus on a centralised data repository without a strategy



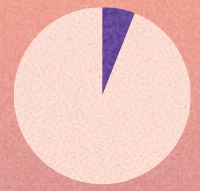
43%

Focus on data interoperability and real-time access without a strategy



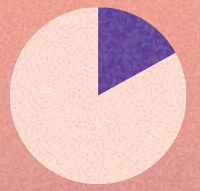
10%

Have a digital transformation strategy with a centralised data repository



6%

Have a digital transformation strategy and real-time data aggregation

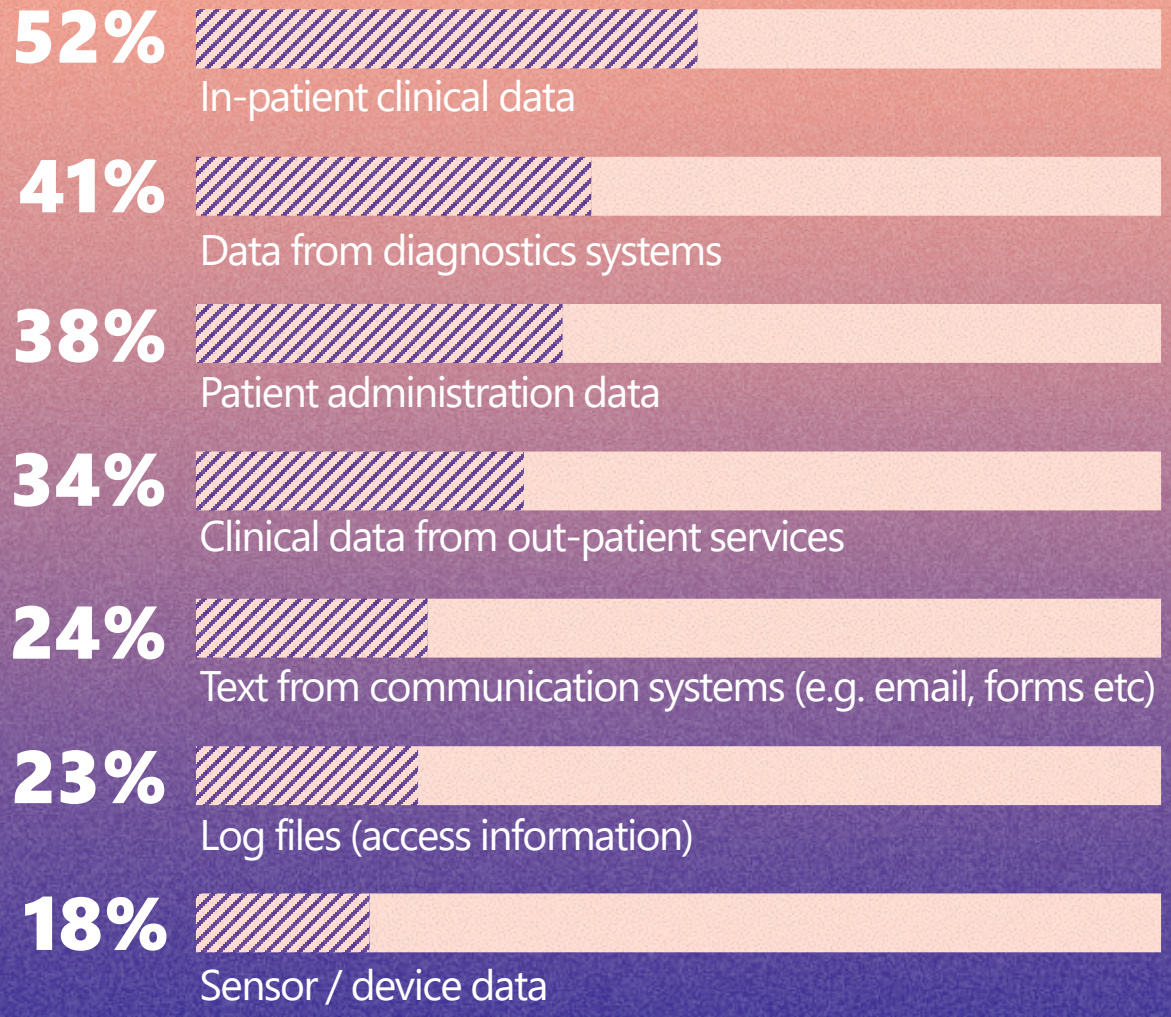


17%

Have a digital transformation strategy and interoperable data

#3 Organisations' data strategies may be obsolete

Data analysed by ANZ healthcare organisations

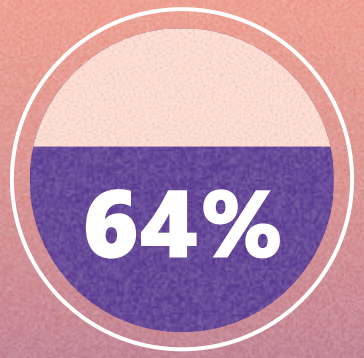


#4 Organisations analyse limited data

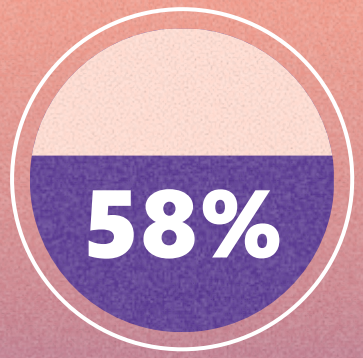
"Analytics should allow a multi-dimensional approach to wellness."

Clinical Executive of a public hospital in metropolitan South Australia

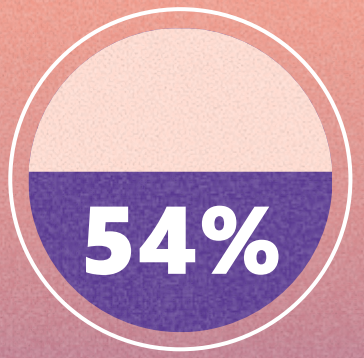
Top 3 business challenges to analytics adoption in ANZ healthcare



Lack of sufficient IT staff



Securing budget



Lack of staff with a combination of clinical and analytical skills

#5 Organisations' data strategies are hampered by business challenges

Gives patients, caregivers, and care providers the opportunity to prepare treatment plans early and improve quality of life leveraging AI

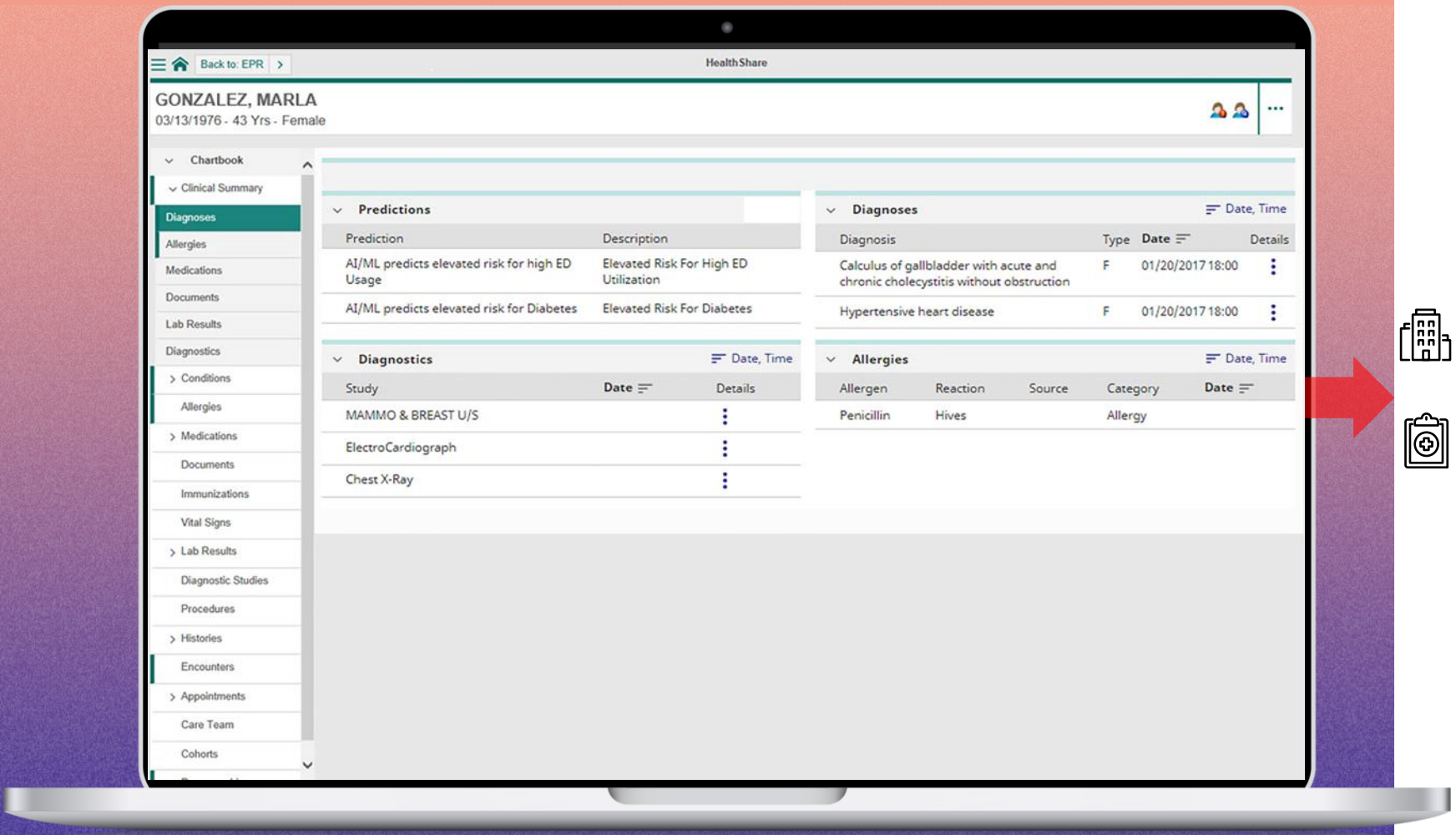
Cognetivity Neurosciences

Cognetivity Neurosciences Leverages InterSystems Interoperability Technology to Address Dementia

> *InterSystems IRIS for Health is extremely powerful, proven and fully accepted by the National Health Service (NHS) and, critically, the InterSystems team brings with them a wealth of experience.*

Jonathan El-Sharkawy, Chief Technology Officer, Cognetivity Neurosciences

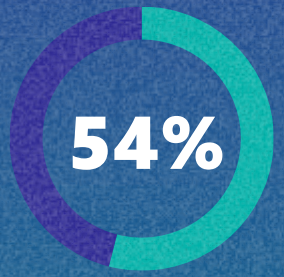
Predictive Analytics to Inform Care



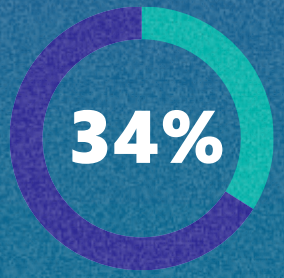
- Elevated risk of ED visit in next 12 months
- Elevated risk of developing diabetes in next 12 months

Expected changes in current interoperability environment

Want standardisation of data exchange



Want access to real-time data



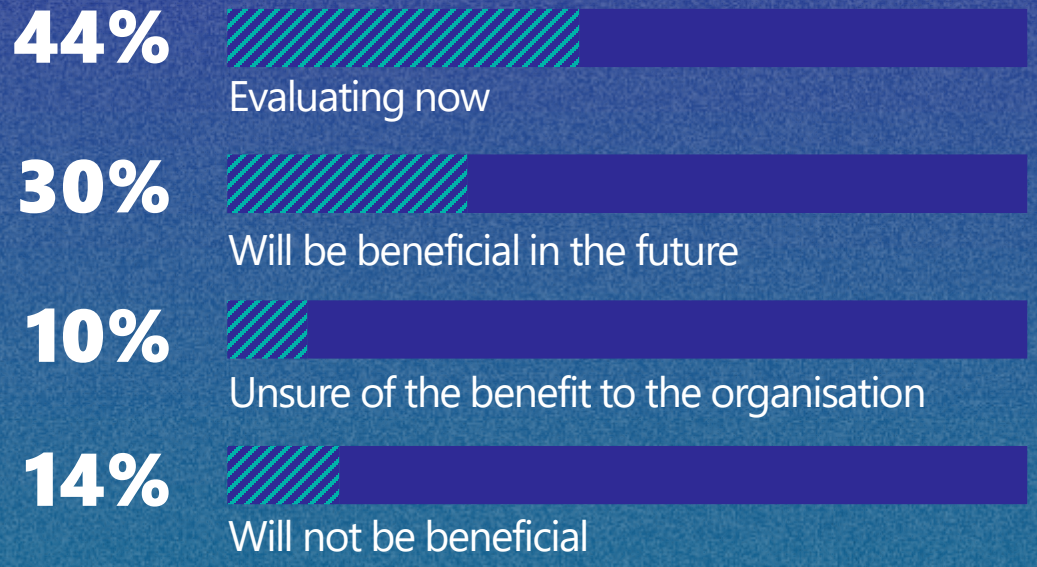
Want to improve transactional workflows across care continuum

ANZ healthcare leaders demand interoperable smart data

"We want software that can accumulate ALL patient data and make it easily accessible on any platform, in real-time."

Clinical Executive of a public hospital in metropolitan Tasmania

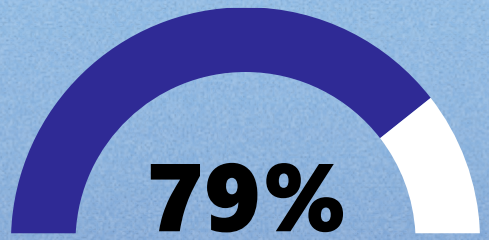
Adoption of smart data fabrics in ANZ healthcare



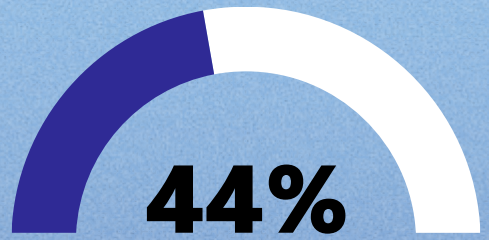
Organisations are starting to adopt smart data

"Ultimately, we need a decision-oriented solution that functions with complete data transparency."

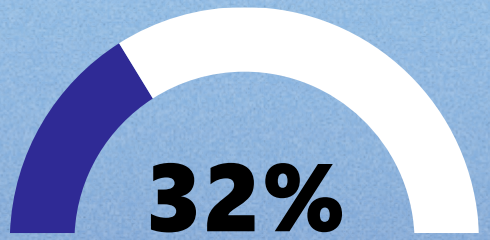
CIO of large public hospital in regional Victoria



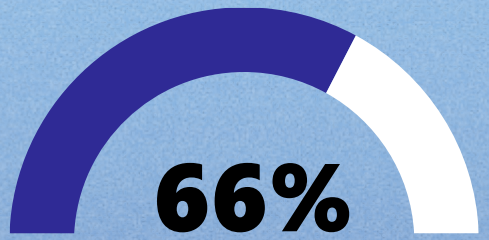
of healthcare organisations have analytics either intrinsic to all business decisions or as a top priority



of key executives trust the data fully



have a holistic digital transformation strategy



want their organisations to focus more on standardisation of data exchange

Two years of constant disruption has seen an immense push for healthcare to transform

Download the survey

Thank you

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58

11:07
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88
BPM
74 BPM, 6m ago