INTRODUCTION TO VITRO
DIGITAL MEDICAL RECORD
DECEMBER 2020

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60,800+ notes chased by the missings team in an average year

2,000,000 notes in storage

The Knock On Effect

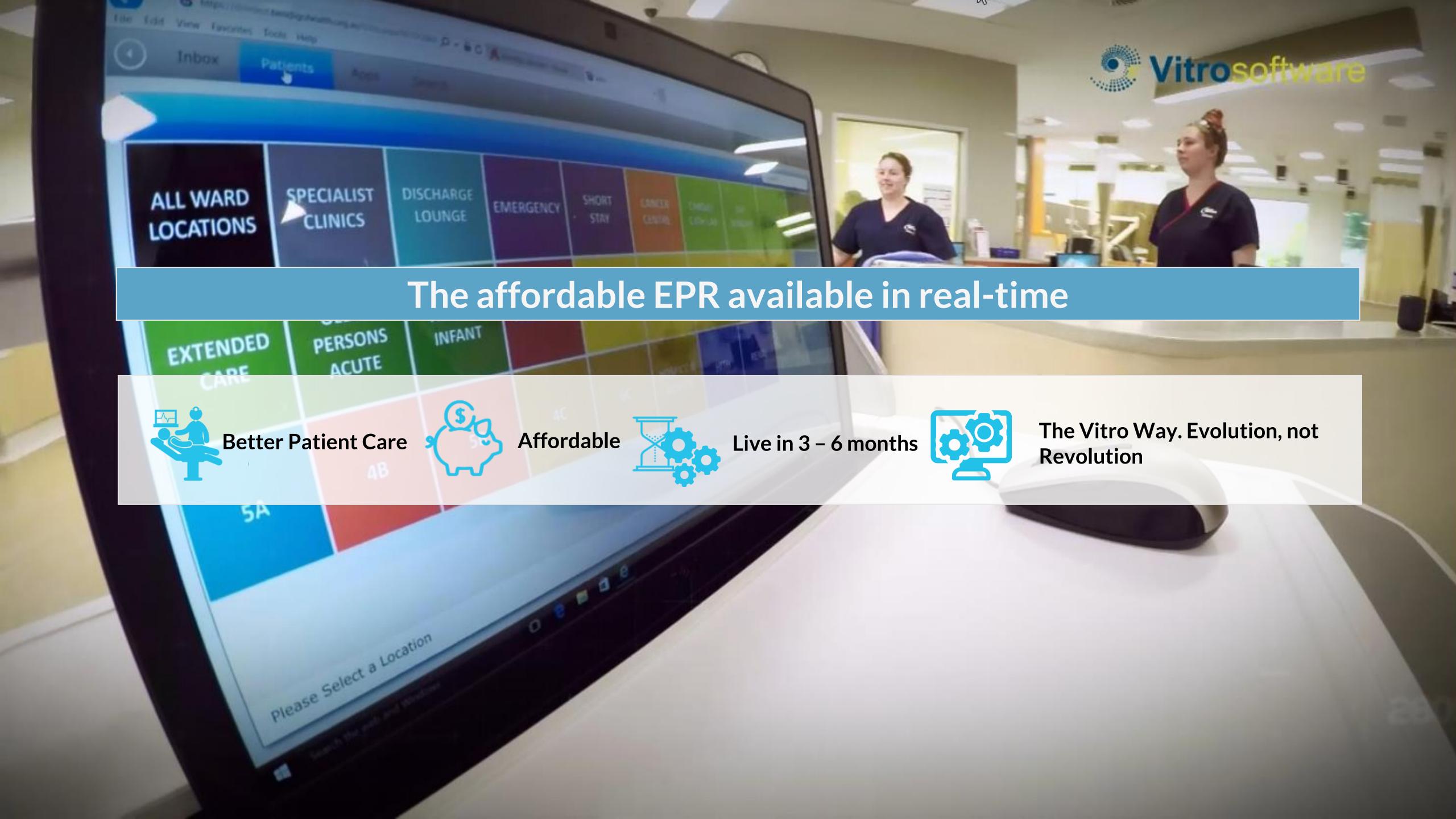*Typically doctors spend 52 minutes per day searching for information*

Patient safety is compromised by missing charts and illegible handwriting

Paper charts hinder the ability to analyse data which inform business decisions

Paper charts can only be in one place at one time, impacting how clinicians utilise their time

25,000+ health records sent back to the library in a single month

Staff reported they could not give the care they would wish to and also keep up with paperwork.

MORE VIDEOS

The affordable EPR available in real-time

Better Patient Care

Affordable

Live in 3 – 6 months

The Vitro Way. Evolution, not Revolution

INTRODUCTION TO VITRO SOFTWARE

- **Founded in 2006** – HQ Dublin, Offices in Sydney & Manila

- **National Rollout** of Healthcare Systems in Ireland & Australia, NZ

- **Integrated** with every PAS in Ireland!

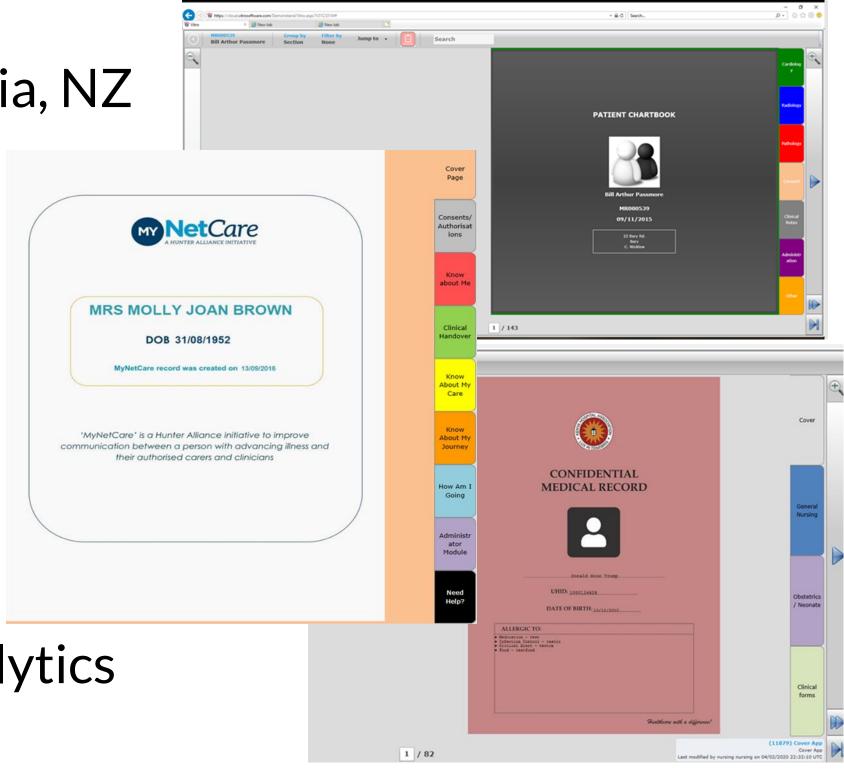- **Vitro Platform** – first site live in 2013 in Sydney

- **Vitro – Digital Medical Record**

  - digitised forms, enables *digital first* entry with familiar forms

  - optimised clinical processes without need for retraining

  - provides dashboards for operational efficiency, data for analytics

  - integrated with existing hospital systems

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SOME VITRO CLIENTS

- Calvary Healthcare – private hospital group of 11 hospitals in 6 states/territories in Australia.
- Phased implementation – functionality extended with each phase.
- Includes General Inpatient clinical workflows & end of bed forms, Paeds, Maternity, Ortho, Oncology, dashboards, alerts, integration with Lab, Rad.

Read the Calvary Case Study here

- Private hospital in NZ with 11 theatres, with a focus on elective surgery.
- Inpatient medical & surgical workflows, Maternity, ICU, HDU, Cardiology Day Unit, Surgical Day Unit, Cancer Care, Eye Care
- Mobile technology

Hear from the SGH CEO here

- 660 bed public hospital in Australia providing acute & sub acute services to large region.
- All medical & surgical activities captured in Vitro.
- Highly integrated solution with communications to multiple clinical systems to provide a 'single source of truth'.
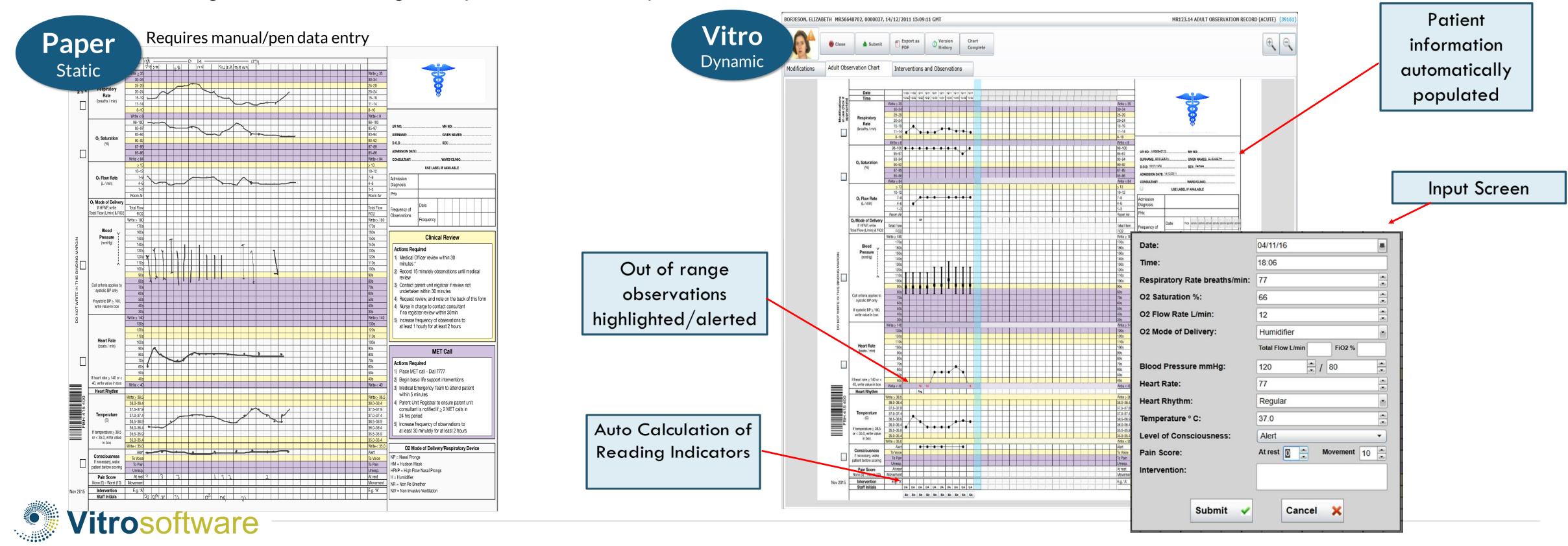- Huge benefits achieved in service delivery from analysis of data available from Vitro.

- Private hospital group, Vitro clients in Australia.
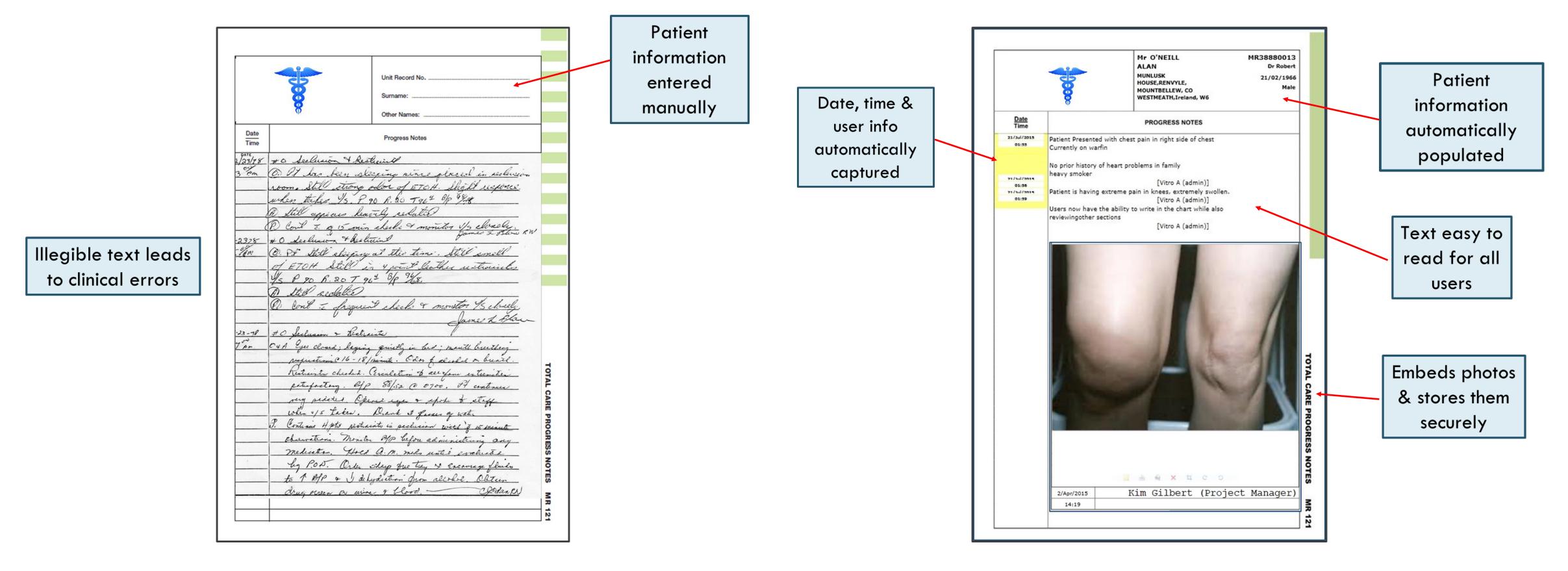- Mental Health facilities across Sydney
- Pre-admission workflow, category sightings workflow to facilitate legislation mandates
- Huge operational efficiencies supporting multi-disciplinary teams

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THE VITRO WAY

Evolution, not Revolution – a partnership approach to:

- **Improve the clinician experience**

    – *a solution that users want to use, ensured by our co-design methodology to meet specific client needs*

    - *familiar visual – looks & feels like current paper forms*

    - *solution design based on existing work processes & the required standards for clinical documentation*
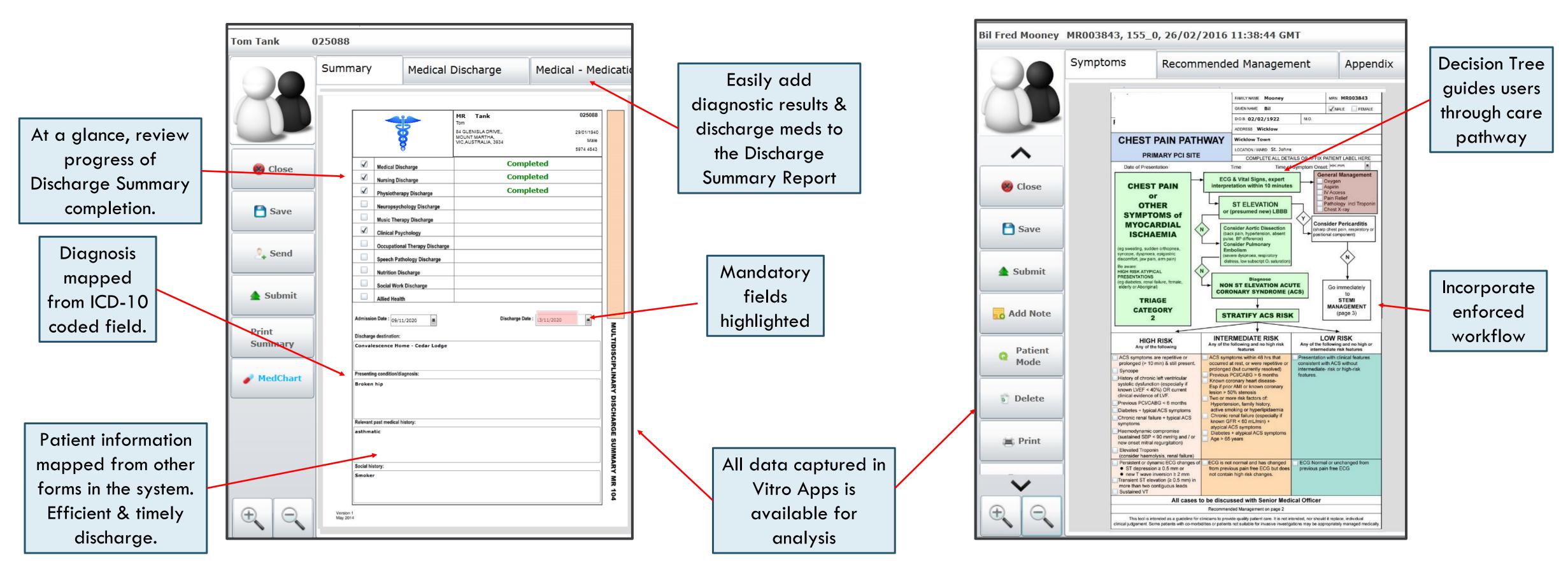

Paper Static — Requires manual/pen data entry

Vitro Dynamic

Patient information automatically populated

Input Screen

Out of range observations highlighted/alerted

Auto Calculation of Reading Indicators

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THE VITRO WAY

Evolution, not Revolution – a partnership approach to:

- **Contribute to continuous quality improvement** – *our clients see an increase in volume & quality of patient information captured*

- **Real time access to data** – *through Vitro's Odata interface your data is always available to inform your clinical & operational decision making*

Patient information entered manually

Date, time & user info automatically captured

Illegible text leads to clinical errors

Patient information automatically populated

Text easy to read for all users

Embeds photos & stores them securely

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THE VITRO WAY

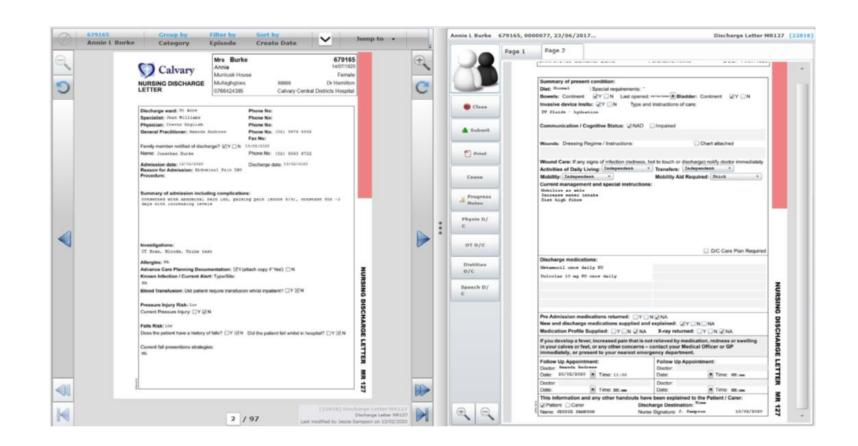## Evolution, not Revolution – a partnership approach to:

- **Adding intelligence to your paper forms** – *familiarity with smart layers of function*
- Incorporating workflow, digital signatures, mandating completion, alerts functionality, analytics

At a glance, review progress of Discharge Summary completion.

Diagnosis mapped from ICD-10 coded field.

Patient information mapped from other forms in the system. Efficient & timely discharge.

Easily add diagnostic results & discharge meds to the Discharge Summary Report

Mandatory fields highlighted

All data captured in Vitro Apps is available for analysis

Decision Tree guides users through care pathway

Incorporate enforced workflow

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THE VITRO WAY

Evolution, not Revolution – a partnership approach to:

- **Affordability** - *with Vitro's flexible pricing models, including subscription or enterprise pricing*

- **Improve the patient experience** – *using Vitro's patient engagement, education & empowerment functionality*

- **Deploy in 3 months** – *a rapid deployment model to see real, quantifiable benefits in 3 – 6 months*

- **100% Clinician adoption** – *All users enjoying the benefits without redesigning work processes*

- **Scalability** – *from small clinics to large hospitals & hospital groups, Vitro is, by design, a scalable platform*

- **Focused expertise** – *on digitising clinical workflow & integration with hospital systems to give a complete medical record*

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THE VITRO PATIENT CHARTBOOK

The single source of truth for all clinical information

Sample Vitro Chartbook Cover
Integrated Lab & Rad reports (link to PACS)
Sample digital forms, direct data entry
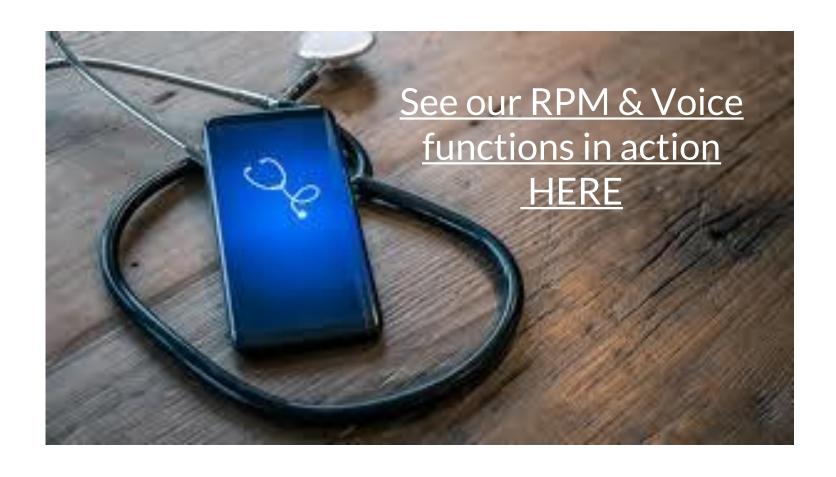

Vitro**software**

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VITRO ENHANCED FEATURES

Remote Patient Management & Vitro Voice

Vitro RPM

- Care extended beyond hospital walls
- Seamless onboarding, App download
- Patient (& carer) engagement, education, empowerment & support
- Communication & consultation

See our RPM & Voice functions in action HERE

Vitro Voice

- Voice enablement functionality
- Fewer clicks – saving time
- Data capture through speech, rather than typing
- Deep integration for platform navigation

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RPM IN USE - PATIENT ENGAGEMENT FOR ELECTIVE SURGERY

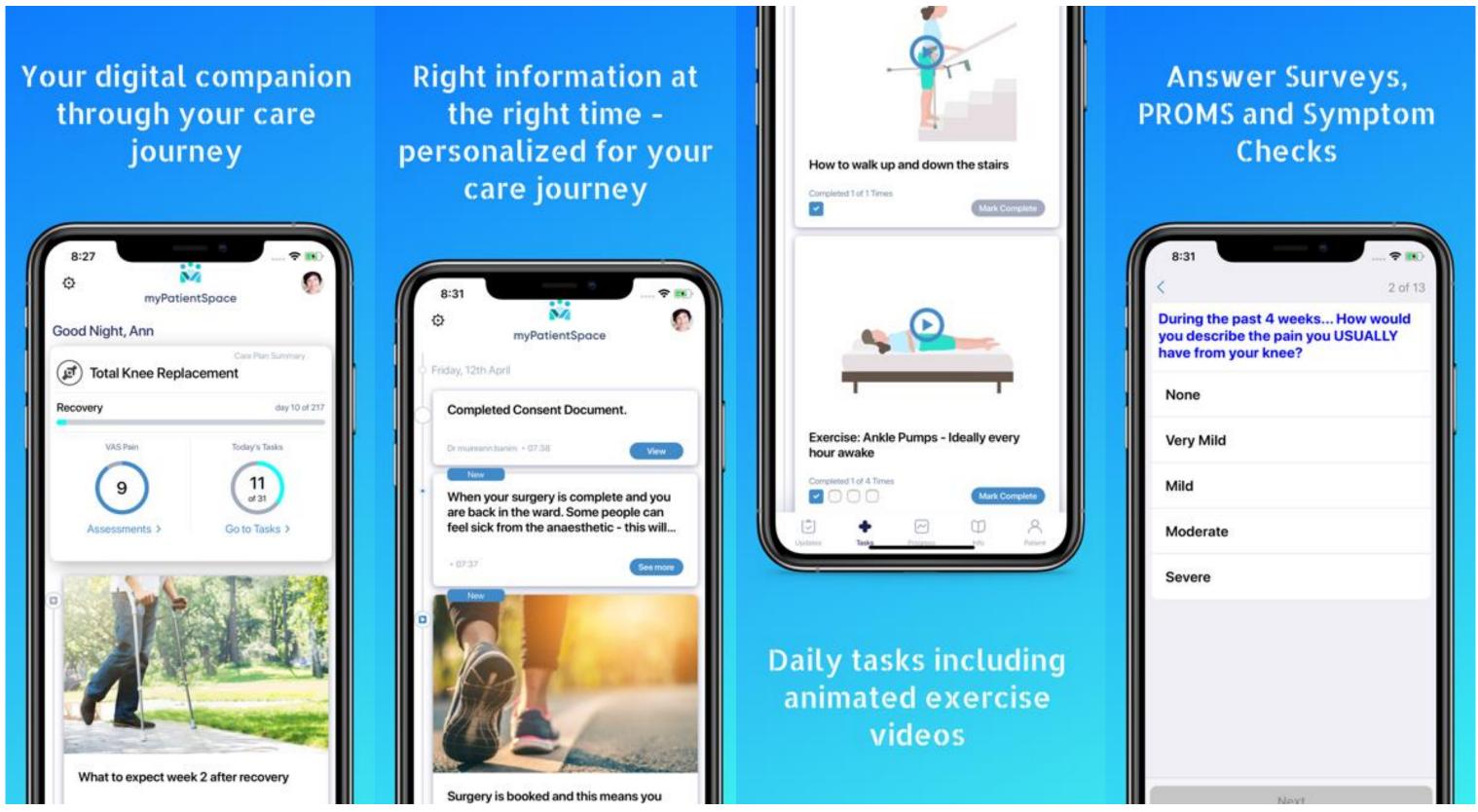| Clinician books patient into Day Surgery for Knee Replacement | → | Initiate Virtual Care Plan through Mobile App | → | Patient Follows Prehab Advice & Arrives to Hospital Prepared | → | Operation Performed | → | Patient Discharged | → | Patient Submits Pain Scores which are Auto-Monitored | → | Patient Follows Rehab Advice & Recovers Quickly |

IN OUR CLIENTS' WORDS

There was more than 90% decrease in the time taken to audit medical records

The time taken to locate historical data within the patient record has been reduced by 66%

There has been a 95% improvement in the completion of clinical documentation

There has been a 75% saving in the costs associated with becoming paperless and these costs are continually decreasing

The time it takes to create a chemotherapy worksheet has been reduced from 30 minutes to 5 minutes – an 83% reduction

The collation of information for freedom of information requests has been reduced by over 80%

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THE VITRO WAY TO DIGITAL TRANSFORMATION

The benefits of a complete EPR at an affordable price

Vitro clients have higher clinical adoption

Show Value then Grow Value – Scale as required

Vitro's Intelligent Digital Transformation

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Thank you for your time