

## What is the Clinical Audit Research electronic Health Record (CAREHR)?

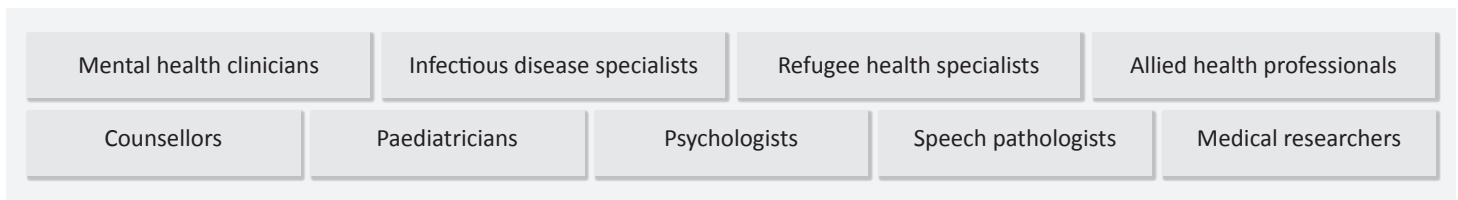
CAREHR (our Clinical Audit electronic Health Record) changes the game in how clinical data is recorded and managed.

Finally, an electronic health record that is transforming the way healthcare is delivered, by putting clinicians, like you, in control of the information you collect, share and use to enhance case management and patient care.

CAREHR makes it easier for paediatricians, mental health specialists, and many other healthcare professionals to improve the wellbeing of patients, with the flexibility to adapt to multiple social, health and wellbeing contexts.

## Who uses CAREHR?

CAREHR is already being used to improve the capture and management of data to address the needs of communities requiring counselling services, children and young people in out-of-home care and patients using a diverse range of hospital outpatient services. Users include:



### What are users saying about CAREHR?

“It’s so simple to use.”

“This is going to save me so much time.”

“I’ve been waiting for something like this for years.”

## The Challenge - Why do you need CAREHR?

Arcitecta developed CAREHR in collaboration with leading hospital specialists, ensuring an outcome that is simple and natural for clinicians to use. Its design and layout reflects how clinicians approach a consultation and interactions with patients.

### Do you face these or similar difficulties in accessing health information?

- Continual changes in service delivery requiring recourse to the vendor to adapt your existing health record system to new needs, or allowing the system to become out-of-date because of a lack of available IT resources.
- Incomplete recording of patient data leading to a limited ability to analyse and assess services.
- Difficulty in extracting data for related research projects.
- The number and complexity of health and wellbeing conditions you need to assess.

## The Solution - CAREHR is providing point-of-care decision support across a range of social, health and wellbeing contexts.

### CAREHR provides

A simple interface for the capture and management of a patient’s health data.

Adaptable by users, so you can configure it to record the information you need, based on ontologies that are most relevant to your patients’ needs and the health issues you are managing.

Computerised clinical notes, summaries, pathology requests and prescribing data.

A summary of the patient’s treatments, pathology results and health assessments.

Extract de-identified data, as needed, for input to research studies.

### So you can

Streamline and optimise recording of essential information about a patient’s health and wellbeing needs.

Save time and reduce errors in the data captured during consultations and counselling sessions.

Track what tests the patient has had to avoid the need for duplicate tests.

Inform and empower patients to take an active role in their health.

Assess the efficacy of interventions across visits.

Monitor population health trends and provide clinical services – all from the one system.

# CAReHR is being used in:

## Out-of-home care

CAReHR is being used to:

- Improve the health assessments and health plans for children and young people in out-of-home care.
- Ensure they have their physical, developmental, psychosocial and mental health needs assessed and addressed in a timely manner.
- Identify areas needing further intervention, assessment or treatment.
- Expedite referrals to specialists.
- Identify health trends and health interventions needed for children sharing common health conditions.
- Provide the potential to monitor the children's wellbeing as they move through the health system.

Initial Screening Tests			
1a) Strengths & Difficulties Questionnaire Scores (Carer)			
Test	Result	Normal	Units
C - Overall Stress: High or Very High Risk	pos/abn		
C - Emotional Distress: High or Very High Risk	pos/abn		
C - Behavioural Difficulties: High or Very High Risk	neg/N		
C - Hyperactivity and Attentional Difficulties: High or Very High Risk	neg/N		
C - Difficulties getting along with other children: High or Very High	pos/abn		
C - Kind and Helpful Behaviour: Low or Very Low	neg/N		
C - Impact of difficulties: High or Very High Risk	pos/abn		

## Infectious diseases

CAReHR is being used to:

- Assist with the management and specific needs of patients with viral hepatitis and/or HIV.
- Enable better clinical care and communication between health professionals.
- Automatically develop modifiable clinic letters for referring doctors.
- Allow the collection of de-identified information for research purposes to improve the care of people living with HIV/AIDS and hepatitis.

Clinical Notes (Clinic, GP Only)	
HIV diagnosed 2005, on therapy since 2010 last viral load < 150 undetectable last CD4 count 570 well, no medication changes good adherence, slow reduction in weight	
Today's Management and Plan (Clinic, GP, Patient)	
Continue therapy review in 4 months will have bloods before next review Will see GP around occasional migraines	

## Immigrant health

CAReHR is being used to:

- Improve the management of complex health issues faced by recently arrived refugees.
- Provide a more coordinated system of care.
- Meet the needs of clinicians at three different hospitals in three health networks, while integrating with existing hospital IT systems.
- Track disease patterns for emerging diseases, leading to more effective patient interventions.

Clinical notes (Clinic, GP Only)	
<b>Asthma</b>	Stable, symptoms have not worsened with winter and starting childcare (yet)
<b>Eczema</b>	Eczema currently good - improved after Rx, no evidence inflammation/infection
<b>Low vitamin D</b>	Well, no Sx low vitamin D, no clinical rickets, family aware of diagnosis
<b>Weight management</b>	High calorie intake in the form of drinks - fizzy, milk, juice exacerbating weight
Summary/formulation (Clinic, GP, Patient)	
Infrequent episodic asthma, currently stable, family good understanding eczema well controlled and plan in place Needs continued 6 monthly vitamin D dosing, family well aware of low vitamin D as a health issue increasing weight - needs healthy eating advice and support, family keen for change	

## Counselling services

CAReHR is being used to address the needs of counsellors providing services to the victims of torture and trauma to:

- Ensure the services provided are culturally and clinically appropriate.
- Enhance the interaction between counsellors and clients.
- Manage interactions for individuals and groups.
- Record details of the services provided and give clients a summary of services received.
- Manage multiple client contacts and compare assessments across visits.
- Securely access clinical data regardless of location.

1 R-CAT: Social Support and Re-settlement Issues	
Client's opinion on progress of settlement in Australia	<input type="checkbox"/> 1. Very Well
Accommodation support available	3. Limited
Info re: accommodation	<input checked="" type="checkbox"/> Provided
Financial support available	2. Moderate
Info re: financial support	<input type="checkbox"/> Provided
Employment / qualification support available	4. None
Info re: employment / qualification	<input type="checkbox"/> Provided
Immigration support available	3. Limited
Info re: immigration	<input type="checkbox"/> Provided
Education / training support	

### About Arcitecta™

Arcitecta is at the forefront of the growing market for solutions that address data management issues, for any type of data on any storage system.

The company's products are deployed in geospatial, eResearch and eHealth contexts, streamlining data intensive workflows and simplifying data management for better health, social and business outcomes.

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