



## ***Evado Health - Overview***

Evado Clinical, a Melbourne-based digital mobile and data integrator has just launched Evado Health, a mobile and AI enabled data rich tool that can comprehensively monitor patients with chronic diseases in the community.

Evado Health has been designed to comprehensively monitor patients at home with chronic health conditions. It improves patient outcomes and reduces patient re-admissions to hospital. Evado Health provides real time access to charted data. It is an AI enabled data rich solution that can be used to create a diverse set of specific health applications and provide real time access to charted data,

### **Evado Health**

- Simplifies clinical record management,
- Easy creation and completion of clinical records,
- Patient privacy is fully integrated into the platform,
- Empowers patients to actively participate on their healthcare,
- Patient care charting at home with realtime alerts to clinicians,
- Patient and clinicians see the same realtime data,
- Reduces patient readmissions.

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**A U S T R A L I A   U N I T E D   S T A T E S**

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## Evado Health:

- **Security** is built into the platform from the ground up by providing multi-layers security and user activity logging.
- **Global Privacy module** managed all access to patient details and records and patient personal information encrypted at rest (when stored). While enabling multiple health providers participate in the delivery and charting the patient's care.
- **Care Management** is provided using a flexible, powerful, scalable tools for planning patient health care.
- **Patient charting** can be performed by the patient and multiple health provider participating in delivering and charting the patient's care.
- **Patient monitoring** enabling health care professions and the patient's GP to track the progress of chronic health or recovering patient.
- **Automated Alerts** can be sent to the health care professions and the patient's GP when patient specific thresholds are met e.g. low SaO2 in a cardiac failure patient.
- **Standardises** the common functionality for planning and charting patient care.
- **Provides** data driven infrastructure so that the solution provider can concentrate on the specific functionality of the service being developed, without having to worry about all of backend processing.
- **Integrates** Evado's cloud-based technology has been used for over 15 years to provide a strategic solution for bringing new services online quickly and economically while minimising the overall solution risk.
- **Delivers** a flexible, powerful, scalable platform for the fast design, development and delivery of web and mobile device Apps.

## Platform Security

The Evado products provides a highly secure environment for data collection for healthcare service delivery, this is achieved through a combination of cloud platform design, layered security built into the application and robust role management. Evado has been built using Evado's patented UniFORM mobile application architecture. This architecture separates the application delivery into layers, each having a specific function to minimise the exposure to un-authorized access. All user actions are logged, and alerts are automatically raised if unexpected user action is encountered.

## Privacy Management

The privacy manager provides a global interface between all providers and the patient's details and medical records. The patient's principal health provider, e.g. public hospital, manages the privacy environment for their patients and can initiate or limit internal all medical departments and third-party access to the patient's data. Privacy management is patient centric, letting the patient control who has access to their medical records.

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## Record Management

The core of Evado Health is a scalable record repository that:

- Can handle thousands of records layouts.
- Each record layout can have hundreds of data fields.
- Each record layout can be versioned online as needed, without affecting any of the existing data.
- Millions of data records can be collected for each version of each data layout.
- IA based analytics to view and observe patient trends.

Surrounding this core are the services including authentication, access control and logging of user activity.

The platform can define and collect virtually any type of medical record and store its content in a secure extendable form, while enabling the data to be queried and analysed that effectively provides the service provider with a query-able repository of patient information.

## User experience

The front-end of Evado Health is provided by the Evado patented mobile application architecture providing a fully mobile enabled solution delivering universal access to all users regardless of the device they are using. This lets the application deliver the same page content to both web and mobile device users.

By providing a common set of services used by the health sector, the Evado Health platform provides an online highly configurable environment for quickly designing, developing, and the delivering of mobile health solutions.

Evado Health features include operational and content reporting, dashboards for various user roles, process scheduling, notifications that can be displayed to various user roles and mobile device clients that can integrate with device components like camera, GPS etc.

Evado Health includes a web service to integrate the platform with external systems and data sources.

The backend architecture is designed to enable customer specific features by adding customised processing components that can be included into their specific environment.

Evado Health has online analytics and reporting module, so that application developers can define analytic queries that can be displayed as charts or diagrams.

## Evado AI module

Evado AI integrates into Evado Health to encode medical data enable so it to be queried using Evado's AI services.

Evado AI is capable storing thousands of AI values that can be associated with the patient record data or generated by pre-processing rules. The query process enables users to query thousands of values which can be used to select patient records form further analysis or as part clinical decision support.

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## Example Chronic Health Scenario

A patient with heart failure and lung disease. After an extended stay in hospital the patient can be send home to rehabilitate, typically including an extensive medication list, monitoring of fluids, pain, and general observation.

Evado Health care planning module enables the hospital's clinical team to define an appropriate care plan to monitor the patient at home. The patient charting module enables community nurses the view and chart their actions and lets the patient or their carer can chart the patient daily progress, e.g. fluid balance, observations, and pain.

Evado Health privacy manager can enable third party nursing or allied health providers to be included in the patient's care. Patient progress can be monitored on-line in real-time by the patient's GP and the clinical team at the hospital. Patient charting triggers e.g. low SaO<sub>2</sub>, can be used to notify the patient's care team or GP, of issues enabling the team to proactively respond to the patient's changed condition. If the patient should present at emergency, the ED clinical team can view the patient care charted records to get the latest picture of the patient's current clinical status.

### More information

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