

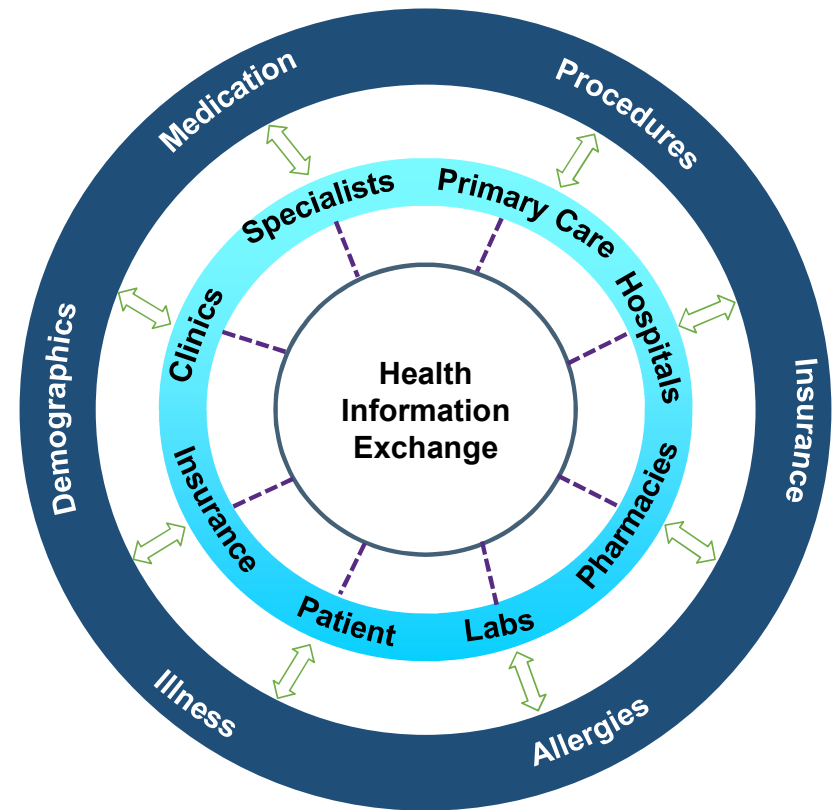


Health Information Exchange: Technology with the potential to change the SA healthcare landscape

29 May 2019

The HIE is recognised as part of the solution to fragmented health systems and non-interoperable technologies

The HIE orchestrates and integrates the various databases to provide a holistic view



The motivation for using health information exchanges

Improved Patient Outcomes

Through enhanced decision making
Through the reduction in medical errors and adverse events

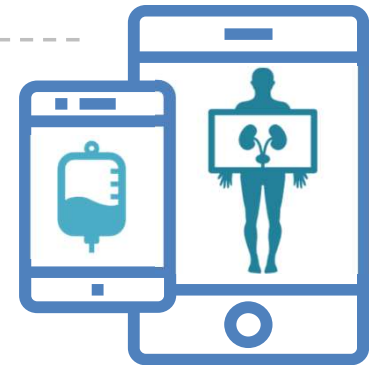


Lower Costs

Focused treatment based on holistic patient history

Fewer Duplicative Procedures

Linked to costs
Also patient wait times and efficiency.



HIEs are used in various parts of the world in various forms



Community

*Neutral third party -
state or region
based*



Enterprise

*Private HIE across
individual vendors and
users*



Vendor Mediated

*EHR vendor creating a
community of users
that can utilize the HIE*

United States

Moderate EHR adoption and lower levels of HIE adoption but growing

Australia

High EHR adoption and moderate HIE adoption

Denmark

High EHR and high HIE adoption

India, Rwanda, South Africa

Beginning stages of the HIE journey with the eventual goal to penetrate both EHRs and HIE utilisation.

The types of HIEs at a glance



	Community	Enterprise	Vendor Mediated
Convener	Neutral 3 rd Party	Large Healthcare Organisations	EHR Vendor
Openness	Open to all participants	Closed and usually excludes competitors	Facilitates exchange amongst vendors customers and sometimes across vendors
Motivation	Breakdown information silos – usually not for profit	Can provide efficiency gains for the providers within the organisation	Upsell EHR system and drive utilisation of HIE to expand database
Benefits	Potential for creating a wide database of information	Usually involves participants willing to collaborate	One system so simpler to manage
Challenges	<ul style="list-style-type: none"> • Financial viability • Interoperability issues • Privacy concerns • Loss of competitiveness for participants 	<ul style="list-style-type: none"> • Limited set of data • Value of HIE difficult to prove • Interoperability issues if linked to other HIEs 	<ul style="list-style-type: none"> • Utilisation is usually slow in the beginning • Financial viability • Interoperability issues if linked to other HIEs

A note on measures of success



Utilisation



Costs



Quality of care

Privacy, Consent and Security Concerns



Sharing patient data across platforms and providers, raises concerns as to who can control and access their health records



Balancing the patient need for privacy against the need for patient data or personal health information to ensure better health outcomes



Increasing evidence suggests, that patient privacy concern is not a rigid barrier to acceptance and can be overcome

Connecting the health system can reap benefits both from a patient care side and a funder side



Eradicate fragmented systems



Breakdown information silos

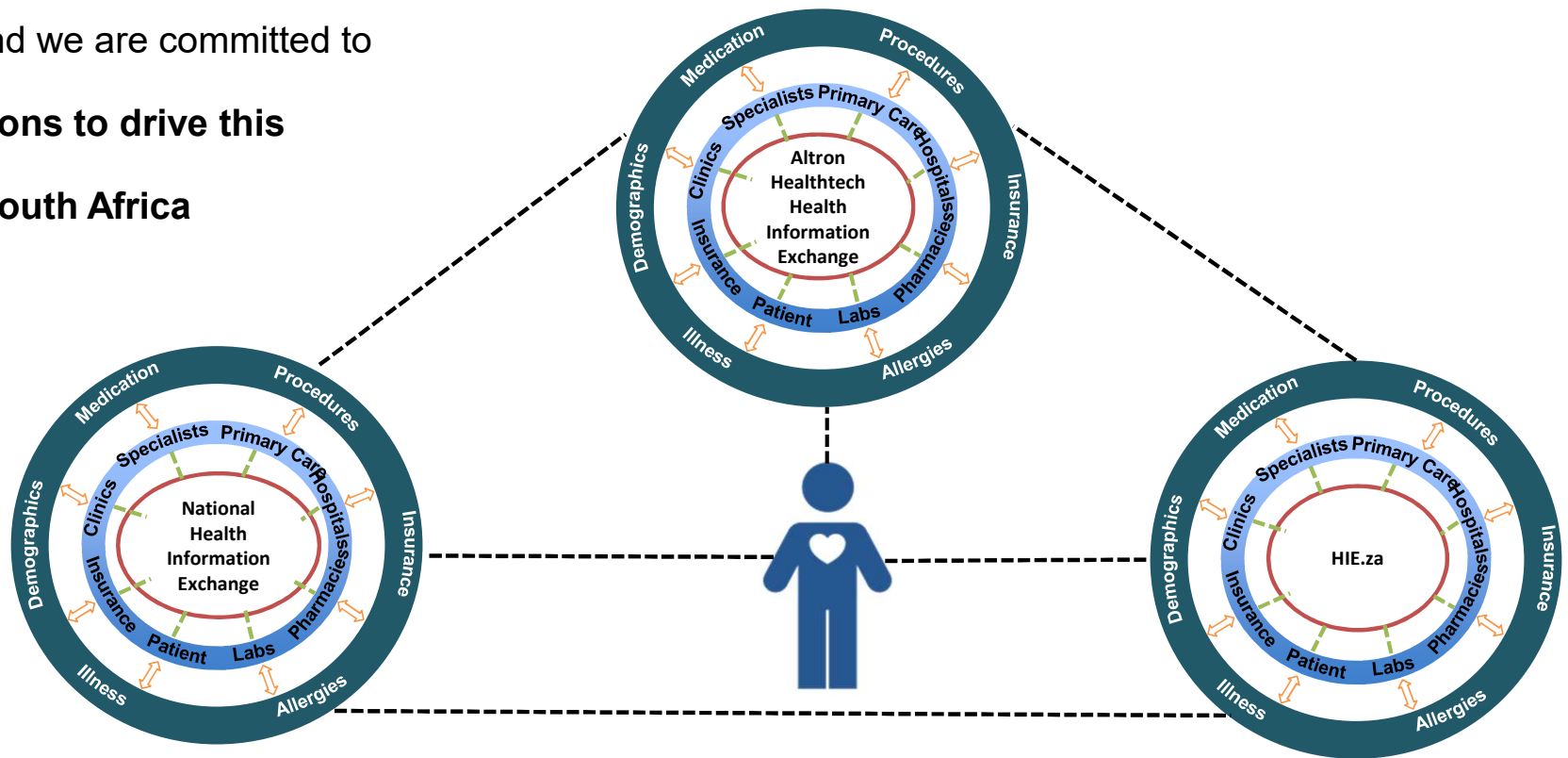


Move from episodic care to holistic care



Move toward patient centric care

We at **Altron Healthtech** see the potential to **create and be part of a connected eco-system** and we are committed to **offering solutions to drive this transition in South Africa**



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Thank you