

An elderly couple, a woman with short white hair and a man with white hair, are looking at a laptop screen together. They are both smiling and appear to be engaged in a conversation. The background is a bright, out-of-focus office setting with windows.

Orion Health



Integrating the Patient into the Care Delivery Team

Moving from passive recipient to being co-responsible for their health

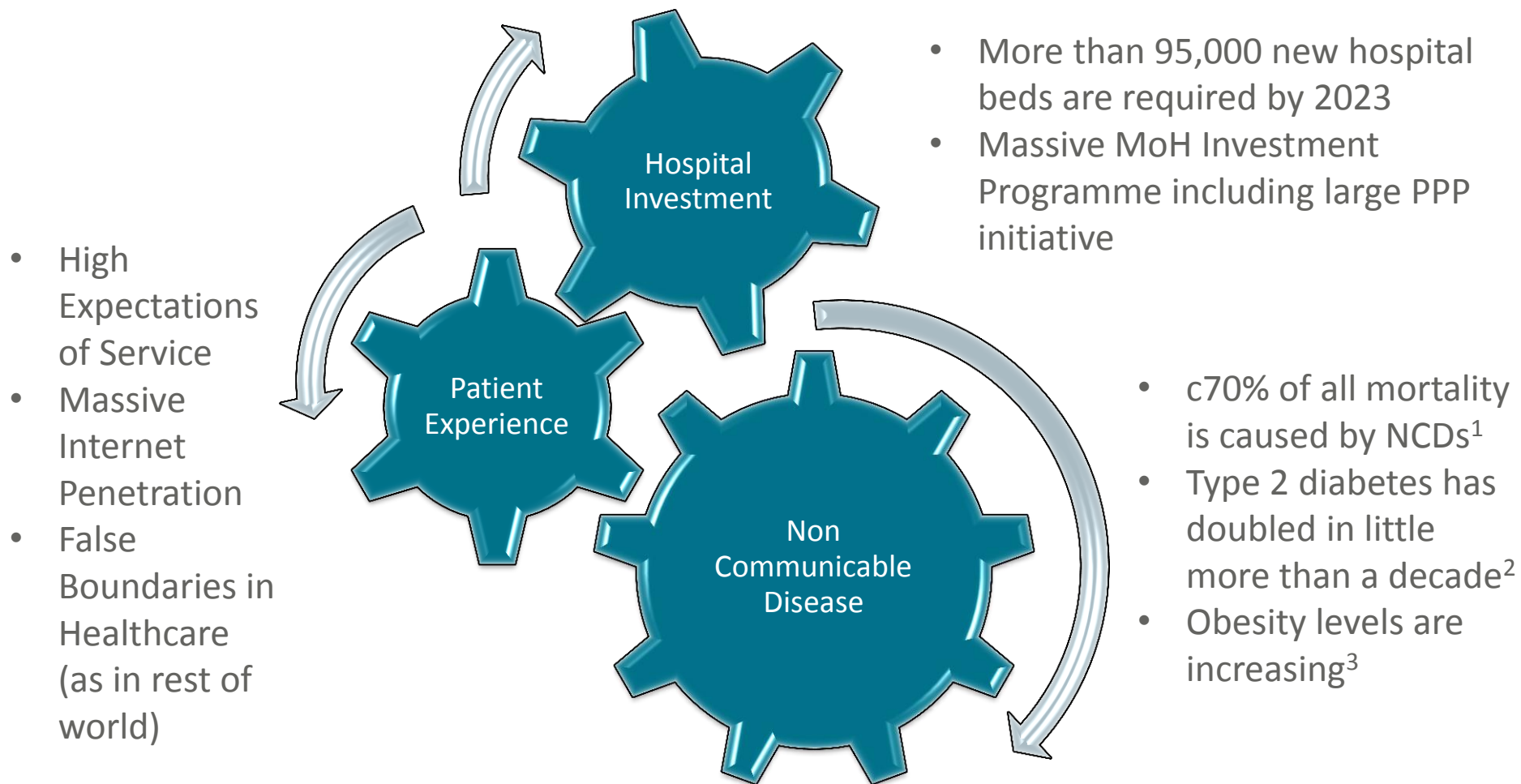
David Hancock – Solution Director, UK, Europe and Middle East





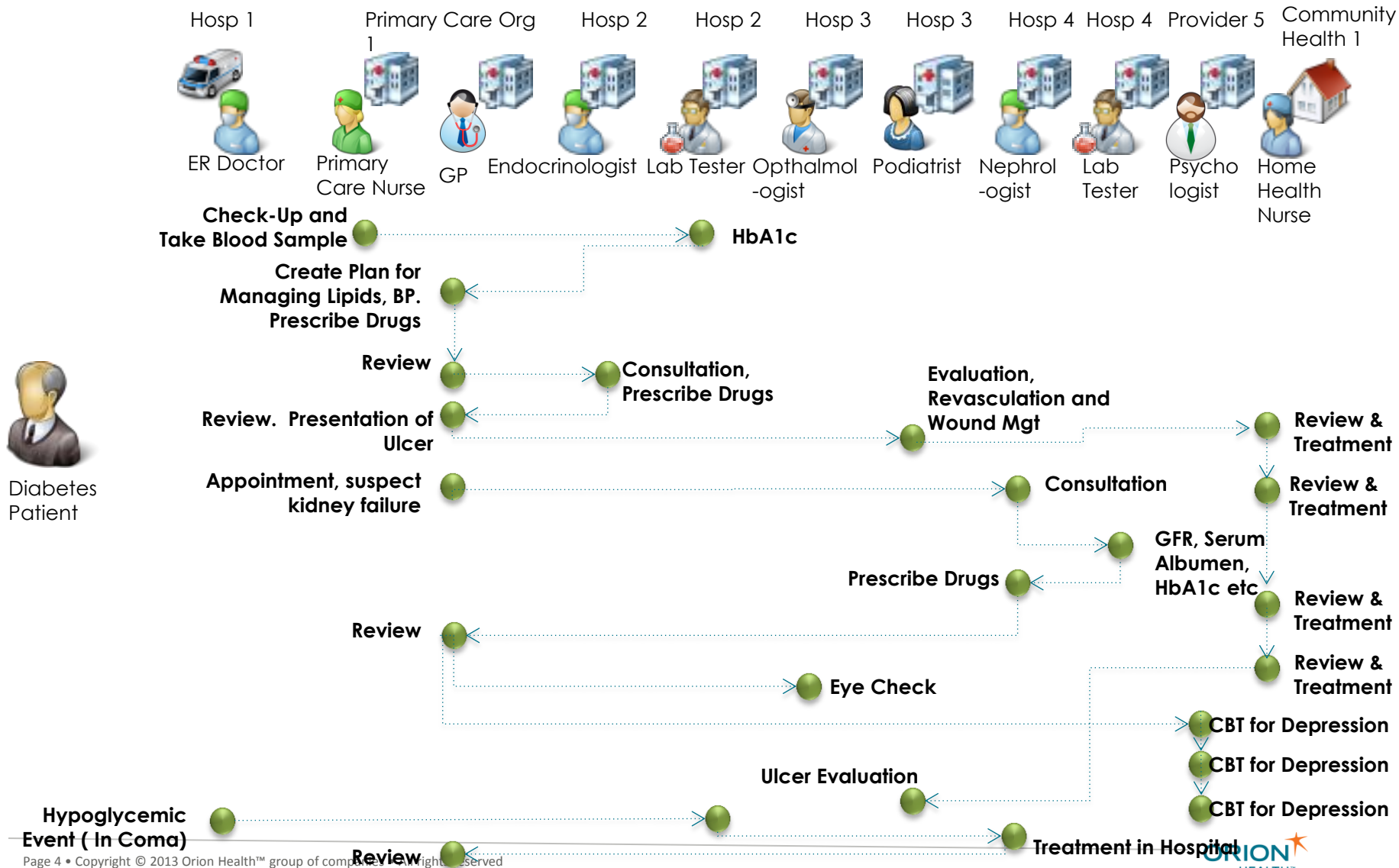
Integrating the Patient into the Care Delivery Team
The Need to be More Patient-Centric

Driving change in Healthcare Delivery in Turkey

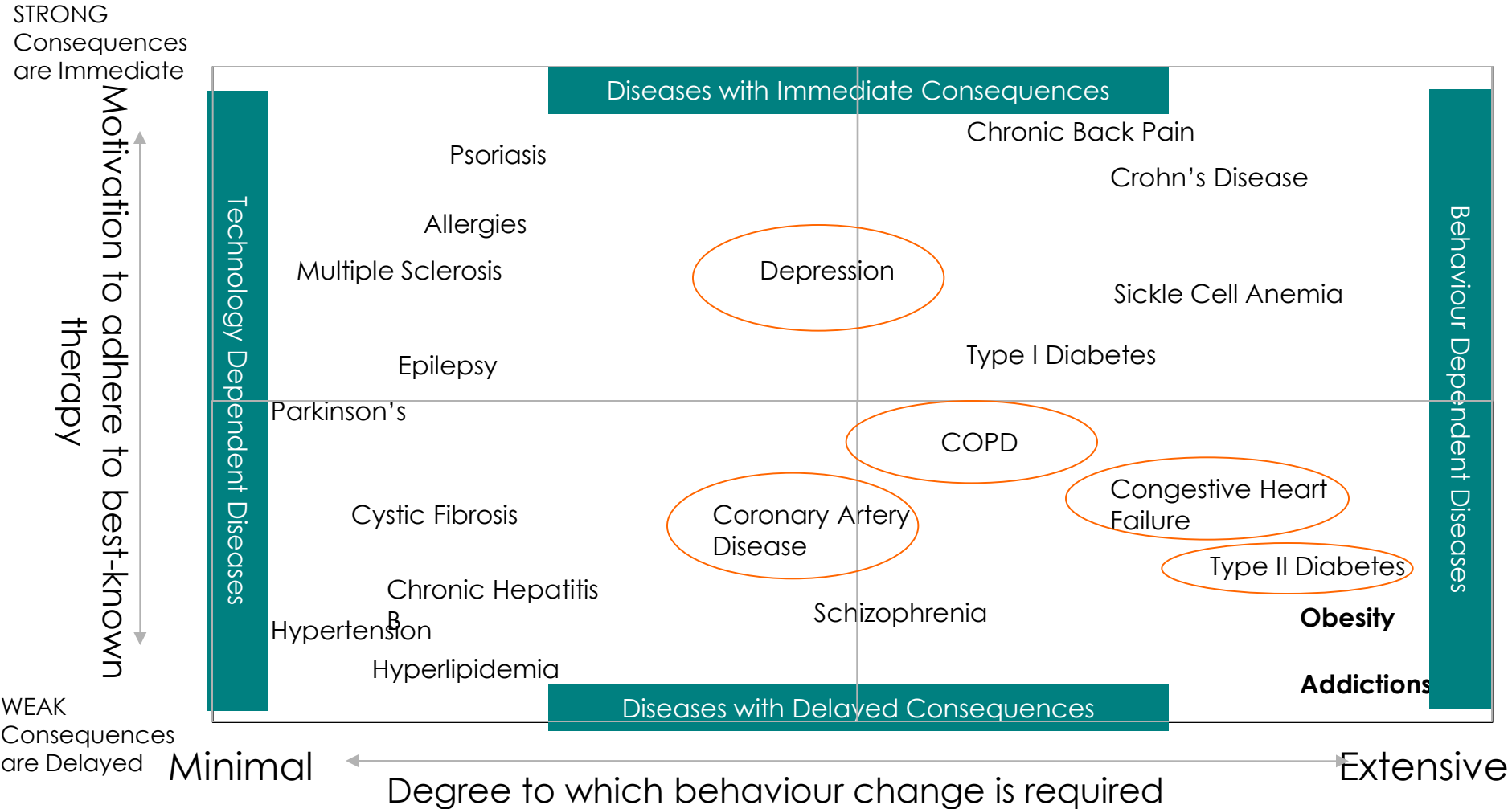


1. MoH and Baskent Univ 2004
2. TURDEP (Turkish Diabetes Epidemiology Studies 1997-98 and 2010)
3. Various (including the above)

Supporting information following the patient - Typical Diabetic Patient's Journey



Managing Long Term Conditions – Supporting Behavioral Change



40 percent of deaths are caused (in US) by modifiable behaviors, such as poor nutrition, physical inactivity, and tobacco.



HIMSS Continuity of Care Model

**A Path to Healthcare Co-Responsibility between
Patient and Care Delivery Team**



HiMSS Analytics Continuity of Care Maturity Model

STAGE 7	Knowledge Driven Engagement for a Dynamic, Multi-vendor, Multi-organizational Interconnected Healthcare Delivery Model
STAGE 6	Closed Loop Care Coordination Across Care Team Members
STAGE 5	Community Wide Patient Record using Applied Information with Patient Engagement Focus
STAGE 4	Care Coordination based on Actionable Data using a Semantic Interoperable Patient Record
STAGE 3	Normalized Patient Record with Share Care Plans using Structural Interoperability
STAGE 2	Patient Centered Clinical Data using Basic System-to-System Exchange
STAGE 1	Basic Peer-to-Peer Data Exchange
STAGE 0	Limited to No E-communication

The Path to Healthcare Co-Responsibility

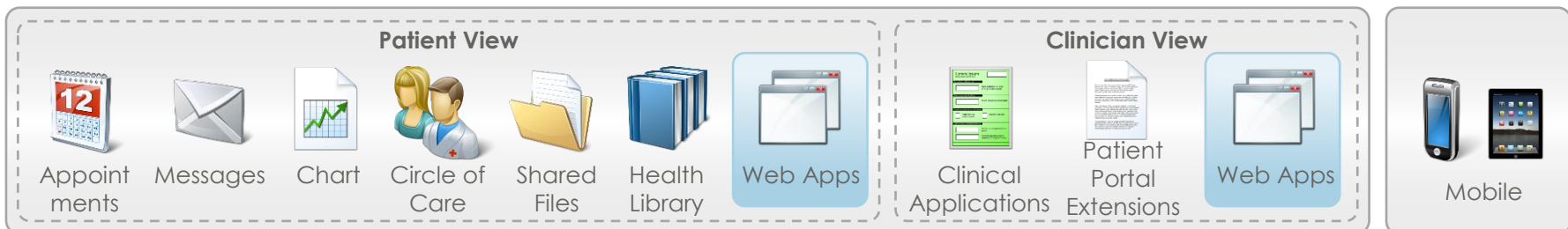
	HIMSS Maturity Level	Healthcare Capability	Patient Centricity
7	Knowledge-Driven Engagement, Multi-vendor, Interconnected Healthcare Delivery Model	<i>Multiple Care pathways using personalised clinical evidence (past patient performance, genomics etc.) Patient making informed decisions</i>	Patient as <u>Colleague</u>
6	Closed Loop Care Coordination	<i>Multiple pathways mgmt with consistent, contextual use of best clinical evidence, integration to home devices and healthcare apps</i>	Patient as <u>Helper</u>
5	Community Wide Patient Record, Patient Engagement Focus	<i>Multiple condition pathway coordination, with patient as an actor – often in administrative processes</i>	Patient as <u>Consumer</u>
4	Care Coordination w/ Actionable Data, Semantic Interoperable Care Record	<i>Basic task coordination, rule-based alerts, single best view of patient record, structured</i>	Patient Centric Care Pathway
3	Normalized Patient Record, Shared Care Plan, Structural Interoperability	<i>Single best view of patient record, structured data</i>	Structured Patient Centric Record
2	Patient Centred Clinical Data, System-to-System	<i>XDS-style, federated exchange: document centric</i>	Patient Folder
1	Basic Peer-to-Peer Data Exchange	<i>Basic interoperability between systems</i>	None
0	Limited/no e-Communication		



Planning and Implementing for Success
Sustainable Foundations

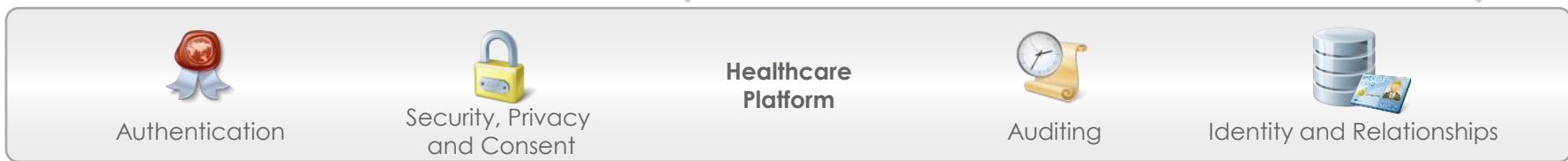
Building a Business Case through a Platform

-  **Don't create more islands of information**
-  **Find Economies of Scale in utilising your investment**
-  **Focus on Administrative areas as well as Clinical**
-  **Drive Innovation in Applications**

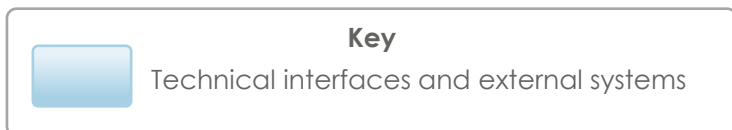
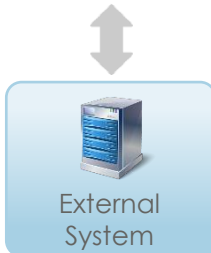


RESTful APIs

RESTful APIs



HL7 v2, v3
IHE, NCPDP
X12, XML
HIPAA, SMTP
Web Services
Etc.



NSW Health, electronic Blue Book, Australia

- **Solution:**
 - A platform for new applications and services
 - Electronic Blue Book for mothers and new-borns through a secure web portal + native iPhone and Android applications
- **Implementation by an independent third party developer:**
 - Orion Health's role was to provide the secure web portal views to the well-child record, designed to be managed and updated by the parents of new born children through to the age of five.
 - The customer involved an independent organization with extensive iOS and Android development experience.



Summary

- **We need to deliver Patient-Centric care Records that span the patient journey**
- **Vast majority of care is actually self care, we have to support change in Patient Behaviour and Patient Co-Responsibility**
- **The HIMSS Continuity of Care Model provides a framework to move towards Patient Co-Responsibility**
 - Patient as Consumer → Patient as Colleague
- **Successful Projects focus on overall business case**
- **Support Best of Breed devices and Apps on a standards based infrastructure**



QUESTIONS
ANSWERS