A Vision for IoT in Healthcare

Dr Haroon Kasim
• Consortium of multi-national corporations, small and large technology innovators

• Seek to facilitate person centered technology enabled test beds

• Collaborate with government and innovation agencies by building on existing initiatives in innovation e.g. consumer enablement initiatives, better value care programs, experience-based co-design methodologies
Our Vision: IoT in Healthcare
## Our Healthcare System

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<td><strong>OVERALL RANKING</strong></td>
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*Our Healthcare System*

Nearly 9 in 10
(87%) of deaths in 2016 were associated with the 8 chronic diseases

Around 1 in 3
(35%) of health problems managed in general practice were chronic in 2015–16

1 in 2 Australians
(50%) reported having at least 1 of 8 chronic diseases in 2014–15

More than 1 in 3
(37%) of hospitalisations in 2015–16 were due to the 8 chronic diseases

THE CHRONIC DISEASE JUGGERNAUT
Chronic Disease Management – State of Play

1. Pre-Disease
Pre-disease preventative health management

2. Early Disease
Early intervention in chronic disease

3. Advanced Disease
Hospital Admission Risk Program (HARP) – Care Coordination

4. Late Disease
Hospital Admission Risk Program (HARP) – Intensive care coordination

ONLY 1 in 3 patients get effective primary care

Results 1 in 3 avoidable hospital admissions

Record numbers of patients are swamping emergency departments across NSW, with critically ill patients needing treatment within 10 minutes waiting over an hour at a major Sydney hospital.

The rising numbers – above population growth – show no sign of slowing as the state enters the winter flu season. Even if patient numbers stabilise, more than 3 million people will present at NSW emergency departments this year.
Our Vision: IoT in Healthcare

Better Experiences | Better Outcomes
IoT – Proactive & Personalised Care

1. Pre-Disease
Pre-disease preventative health management

2. Early Disease
Early intervention in chronic disease

3. Advanced Disease
Hospital Admission Risk Program (HARP) – Care Coordination

4. Late Disease
Hospital Admission Risk Program (HARP) – Intensive care coordination

My Mother's Story
IoT in HealthCare: Enabling Personalised Care

- Personalised
- Participatory
- Preventative
- Predictive
- Proactive
Our Vision
What's important is that you have a faith in people, that they're basically good and smart, and if you give them tools, they'll do wonderful things with them.
IoT in HealthCare

Enabling Better Experiences

Empowering Better Outcomes

Our Vision
THANK YOU