Opportunities, Barriers and Spatially Supported Solutions

Working together to improve healthcare

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Current trends in Health Care
We are living longer and our community is getting older.
“The increasing prevalence of multi morbidity has been highlighted in a number of settings, with age and socioeconomic deprivation being identified as significant, contributing factors”. Erny-Albrecht & McIntyre, PHCRIS Research Roundup, August (2013)

“Anaesthesia, surgery and recovery is taking longer because increasingly patients are becoming more complex”. Multiple anecdotal (2015)
Current trends in Health Care
There is a drive away from linear care towards wrap around care.

“We need to change the focus of the health care industry to creating health, not just producing health care.”

Douglas Wood MD
Director of Strategy & Policy
Mayo Clinic Centre

2013, Press Ganey
Current trends in Health Care
Wrap around care requires connectivity between providers.

National Mental Health Commission, November 2014, Report of the National Review of Mental Health Programs and Services, Summary, p10
Current trends in Health Care
Connectivity is the key to the future in healthcare.
Current trends in Health Care
There is a need to connect the silos, not break them down.
Current trends in Health Care
Connectivity is the key to efficiency.

SERVICE RELATED GROUPS NETWORK
Royal Hobart Hospital
2011 Episode Data
DRG v5.2
Adult, overnight stays (excl. Same Day)
Note: Only those SRGs (Nodes) that account for the top 90% of episodes are shown.
Only those links (Edges) with a weight of 25 or greater are shown.

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WORKING TOGETHER TO IMPROVE HEALTHCARE
Opportunities and Barriers
Understanding the spatial characteristics of need across the state.

Avoidable hospitalisations.

Use of Nurse Triage line

http://healthtasmania.healthtool.com.au
Opportunities and Barriers
Understanding the spatial characteristics of need across the state.

Often Has A Difficulty Or Can't Get To Places Needed With Transport

Premature deaths from Respiratory Diseases incl COPD
Opportunities and Barriers
The question is where do we locate and how do we connect services across the state?

Tasmania is a good test case for the rest of the country:
• We have population centres
• We have remote areas
• We have regional areas
• We have a wide cross section of socio economic groups
• etc
Opportunities and Barriers
Health is data rich but information poor.

Digital data availability

Acute sector

Primary Health / Community
Opportunities and Barriers

What role can the NBN play?
Opportunities and Barriers
Alternative Models of Care Delivery
Opportunities and Barriers

Going forward

Health data

Needs analysis

• Current
• Dynamic