

## Managing Widely Spread Populations

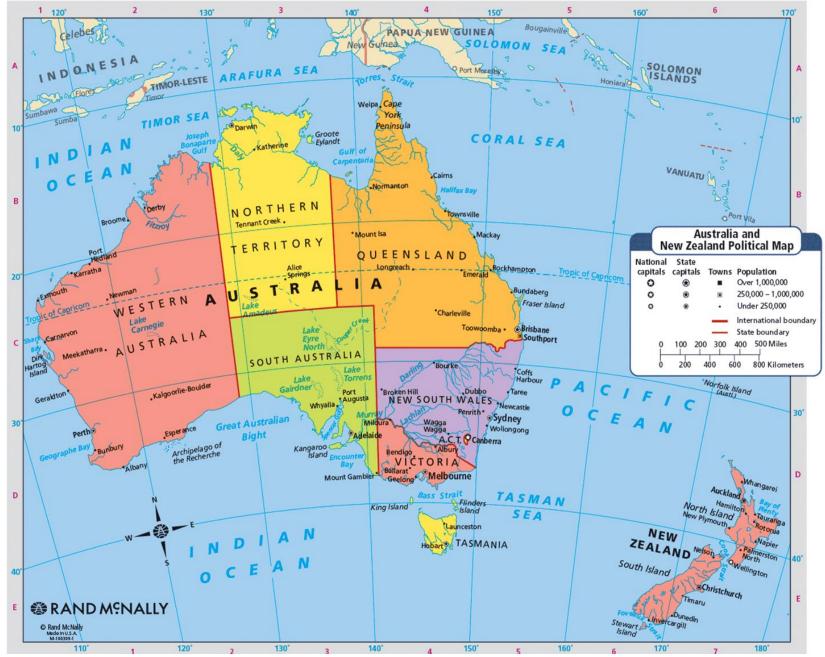
Dr Andrew Bullock Paediatric and Adult Congenital Cardiologist Western Australian ACHD Service



## Managing widely spread, sparsely populated and remote populations

Dr Andrew Bullock Paediatric and Adult Congenital Cardiologist Western Australian ACHD Service Delivering Comprehensive ACHD services to widely spread, sparsely populated and remote populations

> Dr Andrew Bullock Paediatric and Adult Congenital Cardiologist Western Australian ACHD Service



http://besttabletfor.me/wp-content/uploads/oxygen-group-photography-australia-new-zealand-indonesia-map-map-new-and.jpg to the standard standard

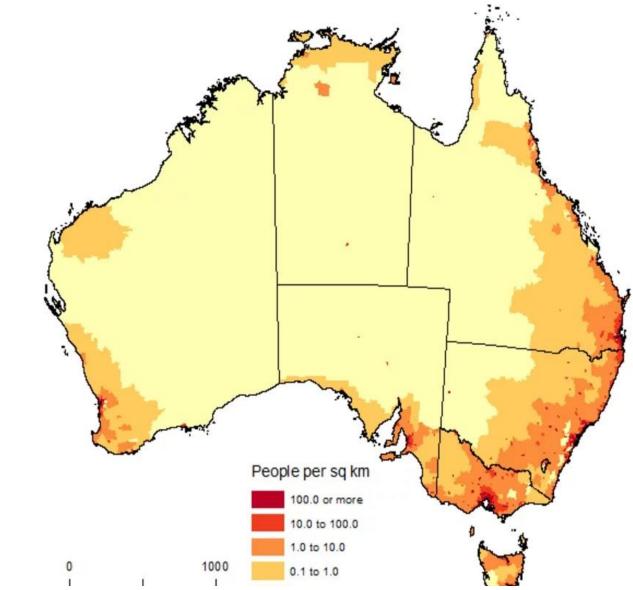


### **Australia**

 6<sup>th</sup> largest country in world (Russia, Canada, USA, China, Brazil)

- Population 24.511 million
- Population density 3.1 per km2
- 7<sup>th</sup> most sparsely populated country in world

#### POPULATION DENSITY BY SA2, Australia - June 2016

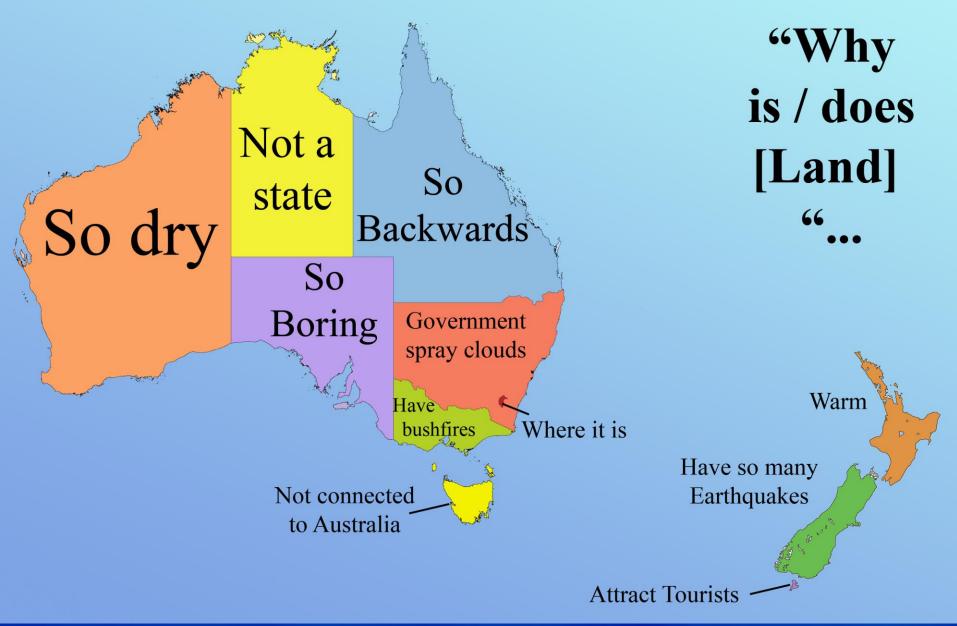


https://edge.alluremedia.com.au/uploads/businessinsider/2017/07/Population-density-australia-June-2016.jpg



## Western Australia

- 33% total land mass Australia
- WA 10<sup>th</sup> largest country in world (2.64 million km2)
- Population 2.67 million
- Population density 0.89 souls per km2
- 3<sup>rd</sup> most sparsely populated country in world (Greenland, Falkland Islands)

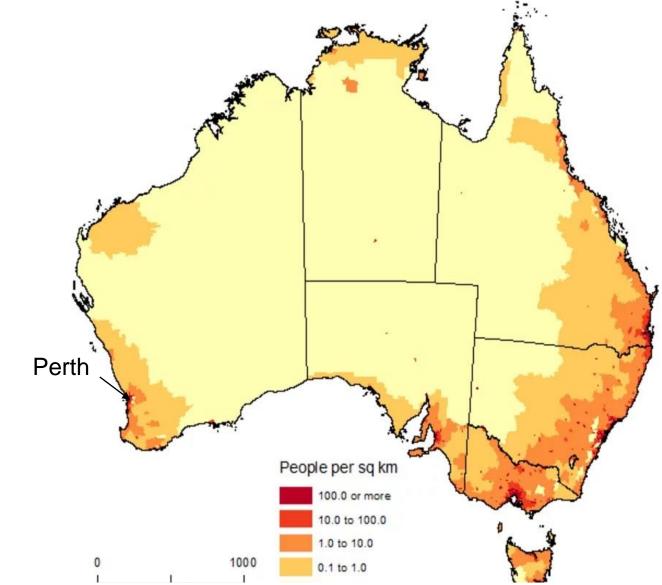




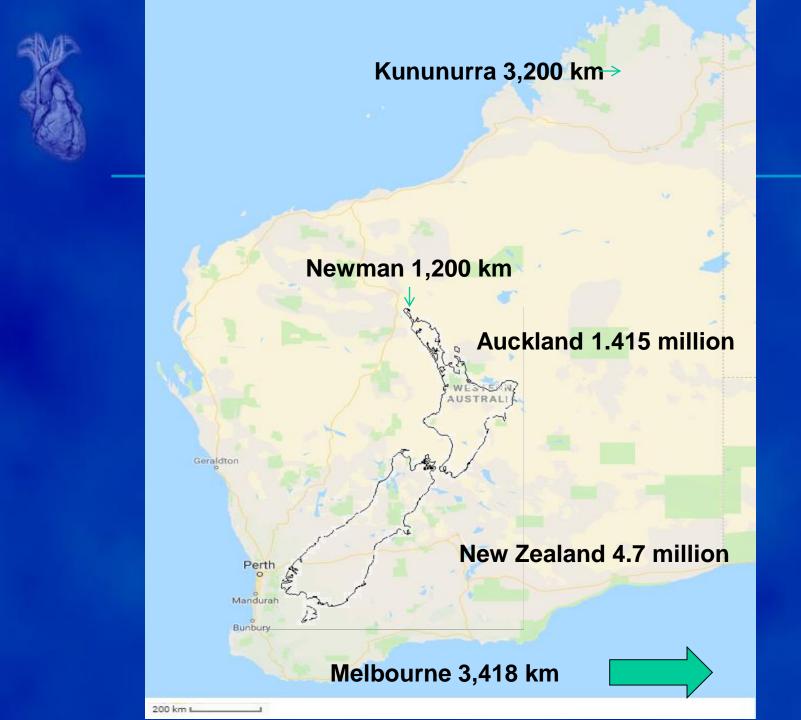


- Area described by semicircle 51.5 km radius
- 2.022 million
- 78% population WA

#### POPULATION DENSITY BY SA2, Australia - June 2016



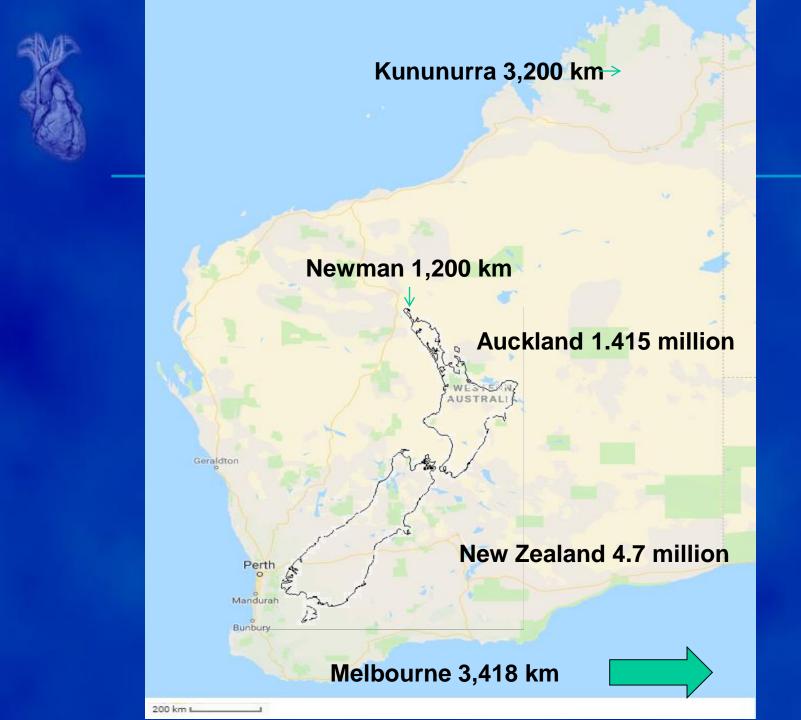
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RCH, Melbourne
 Closest tertiary Paediatric Cardiac service
 RMH, Melbourne
 Closest Comprehensive ACHD service





#### Established authority to speak on the widely spread, sparsely populated and remote



## **Principles ACHD service delivery**

- High quality
- Highly specialised
- Multidisciplinary team
- Cost effective
- Efficiency with limited resources



## **Principles ACHD service delivery**

 CSANZ recommendations care of ACHD Comprehensive and Regional ACHD services How that looks is going to differ from state to state from country to country Each centre is unique so requires Resourceful Adaptable Collaborate



## **Meeting Unique Challenges**

- Understand your unique challenges
- Understand your ACHD population
  - Clinical database essential



## **Meeting Unique Challenges**

Understand existing cardiac services and their utility
 Private Paediatric cardiac services
 Private Adult cardiac services
 Outreach Paediatric cardiac services
 Outreach Adult cardiac services



## **Meeting Unique Challenges**

#### Identify key personnel

## Cardiac Nurse Specialist

("The people who really run the service")

Working across Paediatric and ACHD



## Unique challenges with remote, widely spread populations

- Greater potential for loss to follow up
   Transition process
  - Even more important
  - Even more important done well



## **Transition CACHD**

Consistency amongst all those transitioning
 Outline benefits care within CACHD service



## Unique challenges with remote, widely spread populations

- Selling the benefits of CACHD care
  - to patients
  - to parents
  - to local GP's, other health care providers
  - area health finance officers (PATS)



## **Transition CACHD**

Outline differences CACHD service delivery
 Clearly define expectations to patient/family



## **Transition CACHD**

 Provide clear communication to patient, family, GP, regional area health authorities
 Verbal
 Written
 Electronic

 Patient/family held comprehensive medical record

Prescribed date of first ACHD appointment



## Transition CACHD for the remote and widely spread

GP
Even more important
Establish the importance of trusted GP
Establish the role of GP
Establish that they have a GP
Establish that they will engage with GP



# Transition CACHD for the remote and widely spread

#### Review effectiveness of transition