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Robyn A Clark, Neil Coffee, Dorothy Turner, Kerena Eckert, Simon Stewart, David Wilkinson, Deborah van Gaans and Andrew Tonkin

Can the Cardiac ARIA Index improve cardiac care for Australia's indigenous population?

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Index improve cardiac Can the care for Australia's Indigenous population?

Author(s) Clark RA, ¹ Coffee N, ² Turner D, ³ Eckert K, ³ Smail T, ⁴ Stewart S, ⁵ Wilkinson D, ⁶ Tonkin A.⁷ On behalf of the Cardiac ARIA project

1. Queensland University of Technology ra.clark@aut..edu.au 2.Social Epidemiology, University of South Australia

3. The University of Adelaide 4. Alphapharm Pty Ltd 5.Baker IDI 6. The University of Queensland 7.Department of Epidemiology and Preventative Medicine, Monash

Background / Aims:

- >Timely access to appropriate cardiac care is critical for optimizing outcomes.
- Our aim was to derive an objective comparable, geographic measure reflecting access to cardiac services for Australia's 20,387 population locations.
- >An expert panel defined a single patient care pathway. Using geographic information systems (GIS) the numeric/alpha index was modeled in two categories.
- >The acute categories (numeric) ranged from 1 (access to tertiary centre with PCI ≤ 1 hour) to 8 (no ambulance service, > 3 hours to medical facility, air transport required).
- >The aftercare index was modeled into 5 alphabetic categories; A (Access to general practitioner, pharmacy, cardiac rehabilitation, pathology ≤ 1 hour) to E (no services available within 1 hour). Results:
- >Approximately 70% or 13.9 million people lived within a Cardiac ARIA index category 1A (access to all services).
- Disparity continues in access to category 1A cardiac services for 5.8 mil (30%) Australians.
- >60% of Aboriginal and Torres Strait Islander people live > 1 hour from 1A cardiac services.
- >32% of people > 65 years are > 1 hour from 1A cardiac services.
- ➤ Only 40% of Aboriginal and Torres Strait Islander people reside within 1 hour of category 1 hospital for emergency cardiac care
- >81,491(30%) of Aboriginal and Torres Strait Islander people are 1 - 3 hours from basic cardiac
- >44,500 (20%) of Aboriginal and Torres Strait Islander people Live > 3hours from any cardiac service.

Conclusion:

- >Geographically, the majority of Australian's have timely access for survival of a cardiac event.
- >The Cardiac ARIA index objectively demonstrates that the healthcare system may not be providing for the cardiac needs of 60% of Aboriginal and Torres Strait Islander people residing outside the 1A geographic radius.
- >Innovative clinical practice maybe required to





























