The health of urban Aboriginal people: insufficient data to close the gap

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The Australian Government has made a commitment to reducing Indigenous disadvantage, including closing the life-expectancy gap within a generation, and to halving the gap in mortality rates for children under 5 years of age within a decade.1 The Burden of disease and injury in Aboriginal and Torres Strait Islander peoples report showed the potential for a very significant overall health gain in Australia from improving the health of Indigenous Australians.2 This report also showed that 60% of the health gap between Indigenous and non-Indigenous Australians is attributable to the health of Indigenous people living in non-remote areas of Australia. Indigenous Australians in remote areas experience greater health disadvantage, but because of their smaller numbers, contribute 40% of the health gap.

An increasing number of Indigenous people live in urban areas and large regional centres. At the 2006 census, the Australian Bureau of Statistics estimated that 32% of Indigenous people in Australia lived in major cities, 21% lived in inner regional Australia, 22% in outer regional Australia, 9% in remote Australia and 15% in very remote Australia. In total, 53% of Indigenous people (70% of those living non-remotely) live in cities or regional centres.3 This is a small increase from the 50% of Indigenous people who were reported to be living in major cities and inner regional Australia in 2001.4

There is some limited evidence that Indigenous people living in urban areas experience different health problems from those in rural and remote areas. For example, children in urban areas have been found to have higher rates of asthma, dental decay and mental health problems, while those in remote areas have higher rates of infectious disease.2,3,6

Closing the gap between non-Indigenous and Indigenous health by 2020 will require policies and programs that address the diverse health needs of Indigenous people wherever they live. Research contributes to the ways in which nations conceptualise and understand Indigenous health disadvantage, and to the framework within which policies and programs are developed and, over time, evaluated. The role of research in addressing Indigenous health disadvantage has been acknowledged in major national reports such as the House of Representatives inquiry into Indigenous Health in 2000 (Health is life), which recommended that the National Health and Medical Research Council (NHMRC) contribute 5% of the medical research budget to Indigenous health.7 In responding to this report of the Senate, the NHMRC conducted national consultations with Indigenous communities, researchers and policymakers to establish a national “road map” for Indigenous health research. The participants in these consultations also nominated factors that influenced their prioritisation of particular issues for research. Research that “could make a difference to Aboriginal and Torres Strait Islander health” and “addressed research gaps” influenced the priority they assigned to particular health issues.8 The final report of community consultations for the road map noted that “while it was accepted that some Aboriginal and Torres Strait Islander populations had been the subject of significant amounts of research, there were many others who had experienced none at all, and had identified their circumstances as requiring research attention” and that “urban and urban fringe populations were identified as a significant research gap, especially considering that the largest concentrations of Aboriginal and Torres Strait Islander populations are located in urban settings”.9 Although some commentators argue that Indigenous people plead for less research and more action, the NHMRC road map consultations included large numbers of Indigenous people and the outcome was a call for more targeted research, conducted in effective partnerships with Indigenous people, rather than a call for a reduction in health research. There are numerous examples of where funded research outcomes are integrated into policy review documents to guide health care.10-12

We conducted a brief review of recent Australian original research publications on the health of the 53% of Indigenous people who live in urban areas, and found that data are sparse; there were only 63 studies in the past 5 years (11% of all articles about Indigenous health during this period).

Although Indigenous Australians living in remote areas experience greater health disparity, the government will not achieve its aims without paying due attention to the non-remote-living population.

More research is required, and particularly research that actually tests the impact of policies and programs.

ABSTRACT

• The Australian Government has committed to reducing Indigenous disadvantage, including closing the life-expectancy gap within a generation, and to halving the gap in mortality rates for children under 5 years of age within a decade.

• Sixty per cent of the health gap between Indigenous and non-Indigenous Australians is attributable to the health of Indigenous people living in non-remote areas of Australia.

• We conducted a brief review of recent Australian original research publications on the health of the 53% of Indigenous people who live in urban areas, and found that data are sparse; there were only 63 studies in the past 5 years (11% of all articles about Indigenous health during this period).

• Although Indigenous Australians living in remote areas experience greater health disparity, the government will not achieve its aims without paying due attention to the non-remote-living population.

• More research is required, and particularly research that actually tests the impact of policies and programs.

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Methods and major findings of our brief review of original research publications on the health of urban Indigenous people

Methods
We conducted a bibliographic analysis using a MEDLINE search to locate all Australian research publications about Indigenous health for the period 2004–2009 to identify peer-reviewed articles which we categorised by year of publication and geographical location. We further classified reports on the health of urban Indigenous people according to the age of the people sampled, the type of health problem, the recruitment or sampling method, and the type of study.

Results
Of the 555 articles reporting primary data of the health of Indigenous people, 63 (11%) included information about people living in urban areas, 47 (9%) focused exclusively on people living in urban areas, and a further 16 (3%) included analyses of people from urban areas. Few articles reported on urban Indigenous child health (23; 4%) or evaluated interventions (11; 2%). Aboriginal Community Controlled Health Services were the most common sites for recruiting participants (21 of 63 studies).

Conclusion
Few studies have examined the health needs of Indigenous people who live in urban areas, but such data are important because closing the gap in Indigenous health will require a better understanding of the strategies that are most likely to be effective in improving the health of urban Indigenous people.

Overall, our review supports the original findings of the NHMRC road map consultations that there are too few data about the health of urban Aboriginal people and few publications that report the effectiveness of interventions designed to increase our understanding of how to act to close the gap, and other similar findings have been reported. There were too few studies about any aspect of urban indigenous health to give a meaningful understanding of either health needs or current service provision, and very little research about the impact of programs or policies.

Several factors may underpin the lack of research into the health of urban Indigenous people. First, there are particular challenges in undertaking high-quality and culturally appropriate research in urban areas. There are often no geographic boundaries that indicate a community or that separate Indigenous people from non-Indigenous people. This means that different approaches are needed to partner with Aboriginal people in the research and to recruit participants. In our review, it was perhaps not surprising to find that the most common approach (in 21 out of 63 studies) was to work with Aboriginal Community Controlled Health Services (ACCHSs). These services provide a structure for establishing research partnerships, providing advice and endorsement of the value of the study and recruiting participants. The proportion of Indigenous people using ACCHSs in urban areas is unknown, although it is likely that those with more chronic and complex health needs will be overrepresented. ACCHSs also offer an opportunity to test interventions that, if effective, could be integrated into routine care. It is notable that, of the 21 studies based in ACCHSs, eight were intervention studies.

A second factor in the lack of research may be that there is a perception that research into the health of urban Indigenous people is less important because their health disparity is smaller than that of Indigenous people living in remote areas, and because the nature and causes of their health needs are similar to those of other disadvantaged people. However, Indigenous people living in non-remote areas make a significant contribution to the overall health gap, according to the burden of disease report, they account for 61% of cardiovascular disease, 62% of diabetes, 64% of cancers, 83% of mental disorders and 66% of chronic respiratory disorders within the overall all Indigenous health gap. Urban Indigenous people experience considerable health disadvantage relative to their non-Aboriginal counterparts and may experience particular challenges relating to dislocation, racism and disempowerment.

There are, however, some studies in progress that may provide more detailed information about the health of urban Indigenous people. For example: the Study of Environment on Aboriginal Resilience and Child Health (SEARCH) is a long-term study of urban Indigenous children attending four Aboriginal medical services in New South Wales, the Antecedents of Renal Disease in Aboriginal Children and Young Adults (ARDAC) is a study of children and kidney disease, the Gudaga Study is based on a birch cohort in south-west Sydney, the Kanyini Vascular Collaboration is engaging with Indigenous patients at high cardiovascular disease risk, DRUID is a large-scale study of urban Indigenous people in Darwin, and recent studies have been undertaken at Derbal Yerrigan Health Service in Perth. All of these studies and others will provide important information in the coming years.

Nonetheless, there is an urgent need to increase the amount and quality of information about the health needs of urban Indigenous people.
people and about strategies to address them if the Australian Government's goal of closing the gap in Indigenous health by 2020 is to be achieved. The commitment to closing the total mortality gap within a generation, the mortality gap for children aged under 5 years in the next decade, as well as yet another challenge — that of reducing the gap in disability-adjusted life-years — will require a better understanding of the strategies that are most likely to be effective in improving the health of Indigenous people in urban areas.

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Competing interests
None identified.

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