

ARDAC Kidney Health Study



Screening Report Sydney Metropolitan Area 2013



The ARDAC Study

The ARDAC Study (**A**ntecedents of **R**enal **D**isease in **A**boriginal **C**hildren) is based at The Centre for Kidney Research at The Children's Hospital at Westmead and is investigating the early signs of kidney and cardiovascular disease in both Aboriginal and non-Aboriginal children in NSW. The first phase of the study was conducted over 6 years between 2002 and 2007 and followed the health of more than 2000 primary school children from areas across NSW. Initially participants were recruited from primary schools, however they are now screened in high schools, at home and in the community as the participants are older and some have left school. Screening in Phase 2 of the study includes measurement of height, weight, blood pressure, waist circumference and a urine test.

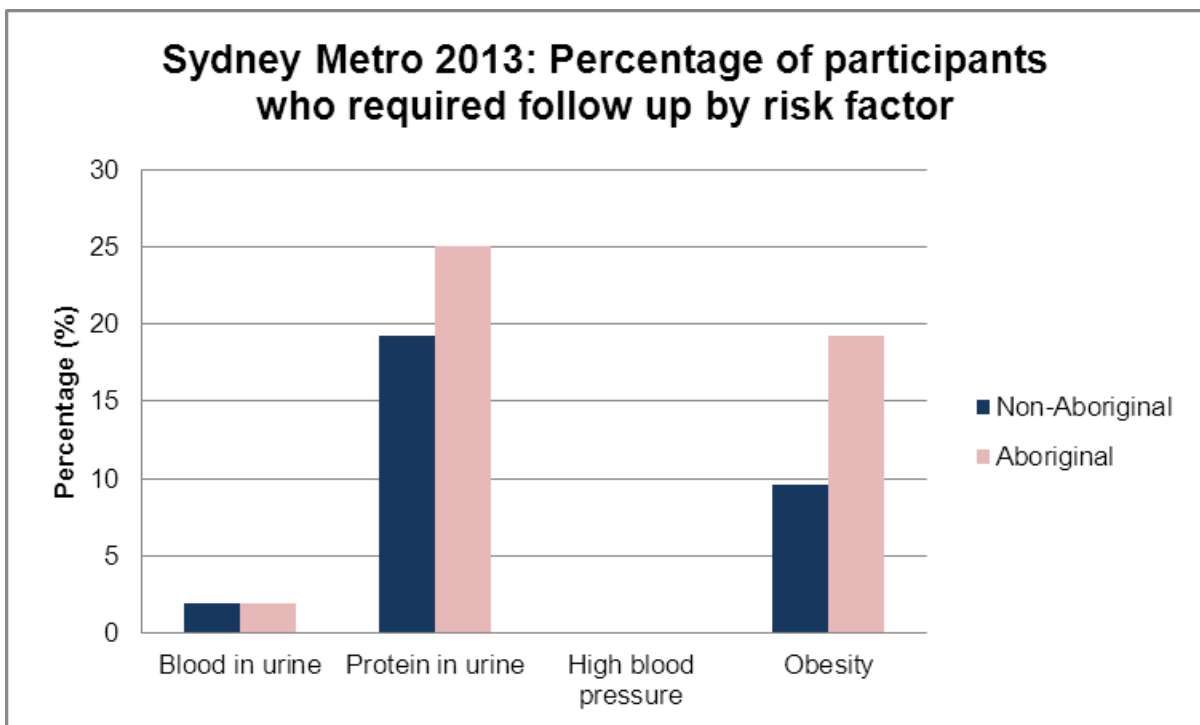
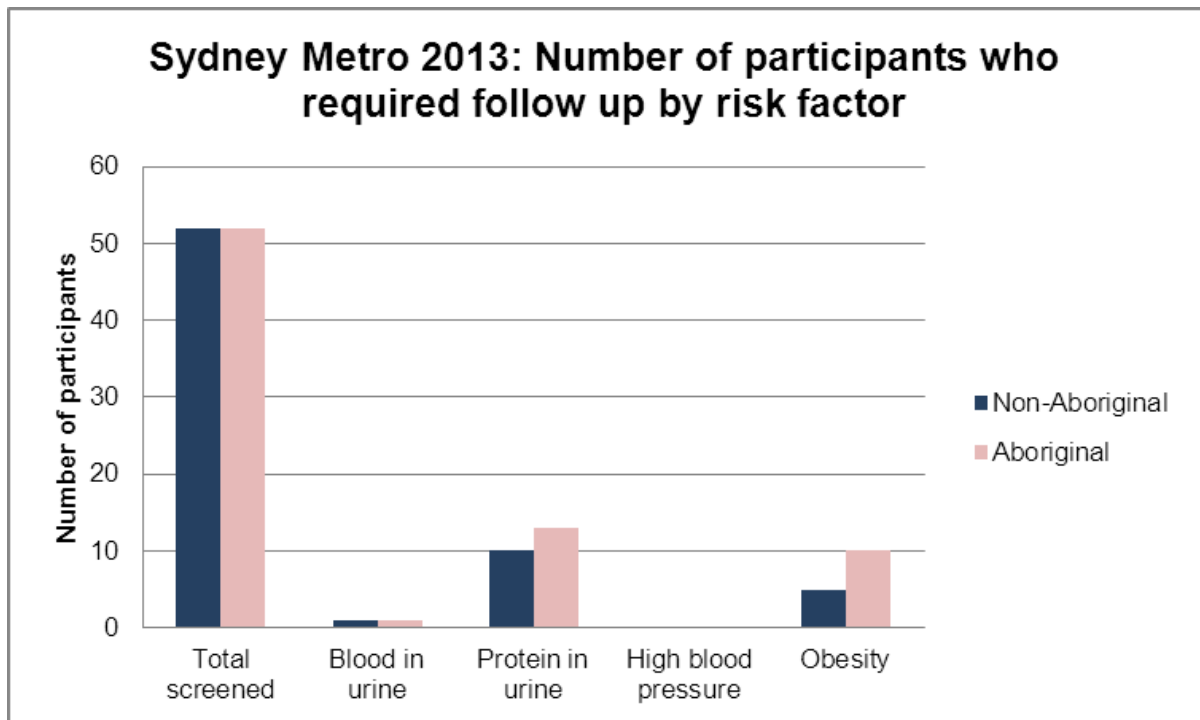
The results of the first phase showed no difference in presence of markers for kidney and cardiovascular disease between Aboriginal and non-Aboriginal participants. Screening for Phase 2 started in 2008. The success of the ARDAC study has been the result of the support and commitment from Aboriginal Health Workers (AHW's), Aboriginal Education Officers (AEO's), teachers, staff from the Aboriginal Medical Services, the Division of General Practice and a large number of participating schools and communities.

In 2013 we screened 104 participants from the Sydney Metropolitan area. These are the results of screening in the Sydney Metropolitan area in 2013.

Screening locations:

School	Participants	School	Participants
Ashcroft High School	3	Liverpool Girls High School	1
Bonnyrigg High School	8	Lurnea High School	2
Bossley Park High School	2	Miller Technology High School	1
Casula High School	3	Mount St Joseph Milperra	1
Chifley College Bidwill	3	Prairiewood High School	2
Cranebrook High School	24	St Gregory's College	1
Eagle Vale High School	1	St Johns Park High School	2
Evans High School	1	The Kings School	1
Fairvale High School	1	Thomas Reddall High School	2
Holsworthy High School	1	Westfield Sports High School	9
Hoxton Park High School	11	Clinic Visits	1
James Busby High School	3	Home Visits	19
John Edmondson High School	1	Total	104

ARDAC Phase 2 Screening Report Sydney Metropolitan Area 2013



The first graph shows the number of Aboriginal and non-Aboriginal participants who were referred for each risk factor. The second graph shows the percentage of Aboriginal and non-Aboriginal participants who were referred for each risk factor.

Number of participants tested: 104

Ethnicity: 50% non-Aboriginal (5) and 50% Aboriginal (52)

▪ **Blood in urine \geq 1+ (25 cells/uL) excluding menstruation:**

There were 2 out of 104 participants (2%) who had blood in their urine, 1 non-Aboriginal and 1 Aboriginal

▪ **Protein in urine \geq 1+ (30mg/dL):**

There were 23 out of 104 participants (22%) with protein in their urine, 10 non-Aboriginal and 13 Aboriginal

▪ **High blood pressure (systolic blood pressure > 95% for age):**

There were 0 out of 104 participants (0%) with systolic hypertension, 0 non-Aboriginal and 0 Aboriginal

▪ **Obesity (Body Mass Index SDS \geq 2):**

There were 15 out of 104 participants (14%) with a BMI SDS \geq 2, 5 non-Aboriginal and 10 Aboriginal

Referral

Participants are referred to their local doctor, Royal Flying Doctor Service or Aboriginal Medical Service for further investigation if one or more of the following are found during screening;

- High blood pressure
- Obesity
- Blood, protein or albumin in their urine

Participants who require follow-up receive instructions with their screening results.

Contact Us

If you have any questions about screening or results please contact us on:

Free call: 1800 005 846

Phone: 9845 1469

Fax: 9845 1491

Email: ardac.SCHN@health.nsw.gov.au