

FOUR STUDIES AND A COLLABORATION
Intergenerational research in
South Australia – the SAPHIRe Project

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SAPHIRe



- > South Australian Population Health Intergenerational Research
- > Building a fit and healthy South Australia (SA)
 - Tracking fitness and health in SA
- > Funded in 2007 by the SA Premier's Science & Research Fund for \$1.35M
- > \$4.6M collaborative project with the following partners:
 - University of South Australia
 - SA Health
 - Spencer Gulf Rural Health School
 - The University of Adelaide
 - Flinders University

SA Health

Aim of the project

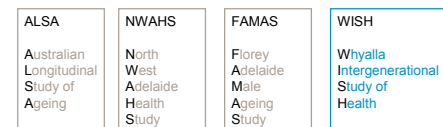
To build a novel multigenerational cohort study in South Australia which will identify determinants and establish the basis for prevention of the major causes of illness and mortality in our community, such as:

- obesity;
- the metabolic syndrome;
- diabetes;
- heart disease;
- chronic respiratory disease;
- mental distress; and
- frail ageing;

across the lifespan and which can be linked to a geographical information system.

SA Health

SAPHIRe



Investigate health across the life-span

Core and shared biological, health, social and neighbour-level data (self-reported and biomedically measured) across the four studies

SA Health

Australian Longitudinal Study of Ageing



- > Founded in 1992 by (the late) Prof Gary Andrews
 - Chief Investigator - Prof Mary Luszcz
 - Study co-ordinator – Penny Edwards
- > Original cohort of n=2087 adults aged 70+ years from metropolitan Adelaide
- > Currently completing Wave 9 (fifth clinical examination) of n=248
- > Through SAPHIRe – ALSA is seeking to recruit eligible older participants from WISH (Whyalla)
- > Aim of the study: to gain further understanding of how social, biomedical and environmental factors are associated with age related changes in health and wellbeing of persons

SA Health

North West Adelaide Health Study



- > Founded in 1999 by Prof Richard Ruffin
 - Chief Investigator - Dr Anne Taylor
 - Study co-ordinator – Janet Grant
- > Original cohort of n=4060 adults aged 18+ years from the northern and western suburbs of Adelaide
- > Have just commenced Stage 3 (third clinical examination) of n=3700 adults
- > Through SAPHIRe – NWAHS is seeking to recruit one child (0-17 yrs) from each participant's household (n=750), incorporating a move towards intergenerational health
- > Aim of the study: to provide evidence regarding the prevention, early detection and management of chronic disease and health-related risk factors among population groups

SA Health

Florey Adelaide Male Ageing Study



- > Founded in 2002
 - Chief Investigator - Prof Gary Wittert
 - Study co-ordinator – Sean Martin
- > Original cohort of n=1195 males aged 35-80 years, from the northern and western suburbs of Adelaide
- > Currently completing Stage 2 (second clinical examination) of first intake (n=568)
- > Through SAPHIRe – FAMAS is seeking to ask a selection of health-related questions, including prostate health, as well as testing blood hormone levels from men in all three studies
- > Aim of the study: to identify factors that contribute to Australian men's reproductive, physical and emotional health and their relationship to ageing

SA Health

Whyalla Intergenerational Study of Health (WISH)



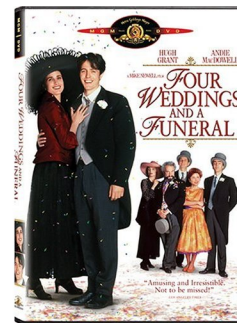
- > Founded in 2007
 - Chief Investigator - Prof Robyn McDermott
 - Study co-ordinator – Matthew Haren
- > Original cohort sought of n=1200 adults aged 18+ years and n=300 children aged 0-17 years, from Whyalla
- > Have just commenced Stage 1 (baseline clinical examination)
- > Through SAPHIRe – WISH has been established as an extension of the NWAHS, and incorporates a move towards intergenerational health
- > Aim of the study: to establish an ongoing family cluster cohort study which will contribute to better knowledge of the determinants of health and health improvement in rural populations over time and the life-course

SA Health

Features of the project

- > Recruitment of family clusters for longitudinal research of life-course factors
 - Data linkage from health-related records including birth, early childhood health; medical, hospital and pharmaceutical usage
- > DNA storage and testing for gene-environment interactions and risk of obesity and diabetes
- > Examination of data from geographical and socio-economic status variations – including further collaboration with the Nutrition Obesity Lifestyle and Environment (NOBLE) Study

SA Health



SA Health

Further information

- > South Australian Population Health Intergenerational Research
 - www.unisa.edu.au/health/research/SAPHIRe.asp
- > Australian Longitudinal Study of Ageing
 - www.socsci.flinders.edu.au/cas/alsa.php
- > North West Adelaide Health Study
 - www.nwadelaidhealthstudy.org/
- > Florey Adelaide Male Ageing Study
 - <http://www.florey.adelaide.edu.au/research.html> (sic)
- > Whyalla Intergenerational Study of Health
 - <http://sgrhs.unisa.edu.au/wish/>
- > Nutrition Obesity Lifestyle Environment Study
 - <http://www.noblestudy.com.au/>

SA Health