

# Healthy Development Adelaide

*A Research & Innovation Cluster in South Australia*

*cordially invites you to attend the*

## *HDA Data Linkage Forum*

*...how data linkage can work for research...*



Data linkage enables researchers to look at large volumes of data from various sources and paves the way for a broader range of questions to be answered than was otherwise possible. Through linkage it becomes possible to examine underlying relationships between various aspects of society or service delivery, thus improving our knowledge and understanding about a particular subject.

The speakers will present various examples of data linkage used in the past, currently being used and future opportunities. The aim will be to demonstrate the benefits of data linkage within and between sectors (eg: health, education, and much more) and also demonstrate policy, practice and research activity in action on key priorities for South Australia.

The event is FREE and ideal for researchers, clinicians, students, health care and government personnel to attend and learn more on data linkage.

**Tuesday 14 September 2010**

**9.15am - 2.00pm**

**State Library of South Australia**

**Institute Building Lecture Theatre**

**(Corner Kintore Avenue and North Terrace)**

**RSVP essential by Thursday 9 September as seating is limited.**

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# PROGRAM

## 9.15am Arrivals and Registration

9.30 *Welcome & Introduction by Chair*

**Mr Andrew Stanley**

Director, Strategic Planning & Research Branch  
SA Health

9.45 **Professor Robyn McDermott**

Director, SA/NT DataLink

Sansom Institute for Health Research, University of South Australia

**What is SA/NT DataLink and how can it advance policy-relevant population health research?**

10.00 **Mr David Engelhardt**

Program Manager, Business Intelligence Unit

Department of Education and Children's Services

**The effects of early life conditions and experiences on child development and learning: a whole of population study**

10.15 **A/Professor James Harrison**

Director, Research Centre for Injury Studies

Flinders University

**Traumatic brain injury and performance at school: a data linkage approach**

10.30 **Q&A Panel Discussion**

## 11.00 Morning Tea

11.30 **A/Professor Michael Davies**

Co-Director, Lifecourse and Intergenerational Health (LIGHT) Research Group / and the Research Centre for the Early Origins of Health and Disease

Robinson Institute, University of Adelaide

**Using data linkage to improve health research in South Australia – examples from past, present, and future**

11.45 **Ms Judith Coxell**

Discipline of Geographical and Environmental Studies, University of Adelaide

**Maternity population data linkage: a demographic and medical evidence base for the spatial analysis of caesarean birth trends in South Australia 1985-2007**

12.00 **Ms Sandy Campbell**

Sansom Institute for Health Research, University of South Australia

**Applying data linkage in Indigenous maternal and child health research**

12.15 **Professor David Roder**

General Manager Research, Cancer Council SA

**Use of data linkage for population-based cancer, treatment and outcome monitoring: the colorectal cancer example and opportunities for childhood cancer monitoring**

12.30 **Q&A Panel Discussion**

## 1.00 Light Lunch and Networking

2.00 **Close**

## SPEAKERS



**Professor Robyn McDermott** is the Foundation Director of the State-wide Data Linkage Unit, SA/NT DataLink. This is a joint venture between the three South Australian universities, relevant South Australian government departments and the NT Government. The collaboration is hosted by UniSA.

Robyn is a Professor of Public Health in the Sansom Institute for Health Research. Robyn joined UniSA in August 2004 as Pro Vice Chancellor and Vice President in the Division of Health Sciences and held this role for five years before taking up her current appointment in September 2009.

Robyn has worked as a primary care clinician in rural New South Wales, the Northern Territory, South Australia and Queensland as well as managing refugee health care and public health programs from 1988 to 1992 in China, Thailand, the Philippines and Indonesia. She has worked with Indigenous communities in central and northern Australia to understand the causes and consequences of rapid changes in living conditions and nutrition on health status, and how to intervene to improve health outcomes. As a medical epidemiologist and public health physician in north Queensland from 1995 to 2004, she built capacity in community-level health information systems for rural Indigenous services. She also initiated the Chronic Disease Strategy and enhanced primary care programs adopted by Queensland Health in 2002.



**Mr David Engelhardt** is the Program Manager, Business Intelligence Unit at the Department of Education and Children's Services in South Australia.

Mr Engelhardt is responsible for the performance analysis, reporting, evaluation, performance reporting, data governance and data linkage activities of the Department. He is leading the development of a new reporting and business development capability, integrating data sources covering both departmental responsibilities and data relating to the broader determinants of learning and development within the context of both state priorities and the COAG Reform Agenda. He is also involved in dealing with a number of research projects which aim to use linked data to better understand population level drivers of educational and developmental outcomes.

Mr Engelhardt is involved in leadership roles in a number of national projects including contributing to the governance process nationally through his involvement with the Productivity Data Development Group, the Early Childhood Data Group, the Child Health and Wellbeing Subcommittee of AHMAC and the National AEDI Strategic Policy Committee. Prior to joining the Department in July 2008, Mr Engelhardt has worked in health and community services sectors at an executive level.



**A/Professor James Harrison** is an injury epidemiologist and public health physician. He is an Associate Professor in the School of Medicine at Flinders University, Adelaide, where he directs the Research Centre for Injury Studies, which operates the Australian National Injury Surveillance Unit.

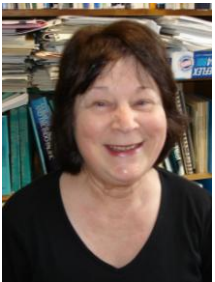
He holds a degree in medicine from Melbourne University, a Master of Public Health from the University of Sydney and is a Fellow of the Australasian Faculty of Public Health Medicine. He has research interests in injury prevention and control and methods for public health surveillance and evaluation, including classifications and data linkage. His work deals with many aspects of injury, including road safety, the safety of Indigenous Australians, suicide and self-harm, alcohol and injury, occupational safety and the safety of health care. Dr Harrison collaborates widely and has also published widely in peer reviewed journals and government reports.



**Associate Professor Michael Davies** is an epidemiologist with an interest in how social and biological factors interact to influence health across generations.

He co-directs both the Lifecourse and Intergenerational Health research group (LIGHT), and the Research Centre for the Early Origins of Health and Disease at the University of Adelaide.

Through a series of contemporary cohort studies his research group is examining how lifestyle, nutritional, and technological factors operating prior to conception and postnatally alter the risk of chronic diseases across the lifecourse. His presentation will examine how data linkage has enabled previous research on child health, contemporary research on infertility treatment and birth defects, and potential future studies on infertility and intergenerational health.



**Ms Judith Coxell** is currently completing a Masters by Research investigation into caesarean section birth trends in South Australia between 1985 and 2007 in the Discipline of Geographical and Environmental Studies at the University of Adelaide with an emphasis on the changing spatial distribution and demographic characteristics of mothers and babies of LSCS elective and LSCS emergency births in the Adelaide Statistical Division. Her Principal Supervisor is Professor Graeme Hugo, Professor of Geography and Federation Fellow.

Judith completed her Honours with field work at the Queen Elizabeth Hospital working with diagnosed in and out diabetes patients with an emphasis on variations in life-course personal wellness. Her Principal Supervisor was Professor Graeme Hugo and Clinical Supervisor was Dr Pat Phillips. Judith envisages that accurate, current and easily accessible life-course health data linked between various health data silos for a patient and their medical consultants can be a form of preventive medicine.



**Ms Sandy Campbell** is an Indigenous Registered Nurse who has undertaken extensive clinical work in remote communities in the NT and Far North Queensland for many years prior to completing a Masters of Applied Epidemiology at ANU in 2001-02. She has also contributed significantly to the work of VACCHO especially in the area of maternal and child health, as well as co-ordinating the extensive clinical fieldwork for the follow up of the Well Persons Health Check in north Queensland. She is currently using the data from that field work in her current PhD study which

looks at the impact of pre-pregnancy health on pregnancy outcomes in a cohort of young Aboriginal and Torres Strait Islander women.



**Professor David Roder** is a consultant epidemiologist at Cancer Council SA with attachments to the National Breast and Ovarian Cancer Centre, Cancer Australia and the NSW Cancer Institute.

He has published widely with an emphasis on use of cancer registry data and administrative datasets. He is active in development of cancer data infrastructure in Australia and in promoting data linkage, for service planning, monitoring and outcome evaluation; quality and safety monitoring; and research. He has authored approximately 180 publications in the peer-reviewed literature. He was involved in administration of the SA Cancer Registry for 20 years and for developing hospital-based clinical cancer registries in teaching hospitals from 1987 to 2000. He oversaw development of the National Cancer Data Strategy and is a member of the AIHW Cancer Monitoring Centre Advisory Committee. He chairs the Cross-Jurisdictional Steering Committee of the WA Data Linkage System and provides epidemiological support to RACS Breast Cancer Audit. He is a life member of the International Association of Cancer Registries and has been a consultant to cancer registries in Australia, New Zealand and Asia, including Malaysia and Mongolia.