



Dr. Elizabeth Denney-Wilson Senior Consultant – health

Elizabeth Denney-Wilson (BNurs, MPH, PhD) is a public health researcher who has worked in both the public and private sectors. Her experience includes study design, research, analysis, programme evaluation and clinical trials across diverse environments including state and federal health departments, hospitals, and the medical device industry in Australia and the USA. Her PhD research included the collection of 500 blood samples and analysis of a range of biomarkers to determine the association with obesity in adolescents. Elizabeth has led workshops on the development and evaluation of health programmes, tutored in several post-graduate public health programmes, and presented her research at local and international conferences.

Health research experience

- **NSW Schools Physical Activity and Nutrition Survey (SPANS, 2004):** Co-investigator of this major public health study conducted on behalf of NSW Health; responsible for the biomarkers sub-study and the food habits questionnaire; co-author of final report to NSW Health.
- **PhD research (2002-2005):** examined the associations of risk factors for cardiovascular disease, diabetes and fatty liver with overweight and obesity in adolescents.
- **Australian standard definition of overweight & obesity (2000-01):** Reviewed literature, developed report and conducted stakeholder meetings on behalf of expert consortium.
- **Youth on Community Orders Health Study (2006):** Analysis of biomarkers data from the juvenile justice system.
- **General practice intervention (2006):** Development of a health service delivery intervention to assist General Practitioners manage child and adolescent obesity on behalf of the NSW Centre for Overweight and Obesity.
- **CSIRO (2005):** provided domain expertise in a cross-disciplinary team evaluating new privacy enhancing technologies for medical research
- **Medical device clinical trials (1989-1995):** Clinical trial manager, based in the USA, for a new implantable defibrillator; responsible for performance reporting, trial management, and international regulatory submissions.

Health programme evaluation

- **Child obesity prevention:** Member of the interim evaluation committee for the Hunter New England Area Health Service \$5 million child obesity prevention programme.

- **Obesity prevention media campaign:** Expert advice helping development of the evaluation strategy for the NSW Health obesity prevention media campaign.
- **NSW Centre for Overweight and Obesity:** Provided advice to area health service personnel regarding evaluation of health promotion projects.
- **Australian Child and Adolescent Obesity Research Network:** Initiated an evaluation of tertiary obesity services within Australia.
- **NSW Centre for Overweight and Obesity:** co-ordinated a national workshop “Developing and Evaluating Child Obesity Prevention Programmes”, including reviewing proposals from delegates.

Teaching and professional development

- Conducted workshops for area health service and primary health care personnel for the NSW Centre for Overweight and Obesity.
- Tutored post-graduate students in the Masters of Public Health, Masters of International Public health and the Masters of Professional Medicine programmes at the University of Sydney.
- Founding secretary of the Australian Child and Adolescent Obesity Research Network (ACAORN), a nation-wide collaboration of obesity researchers.

Health systems experience

- Commonwealth Department of Health and Ageing (2001): developed models of service delivery to provide medical specialists in rural NSW.
- Telectronics Pacing Systems (1989-1995) Managed clinical trials including implant support, data analysis and regulatory reports to the Therapeutic Goods Administration and the United States Food and Drug Administration
- Cardiac Intensive Care, Prince Henry Hospital (1985-1990): Clinical nurse specialist including advanced training culminating in critical care certificate.

Selected publications

Denney-Wilson E, Hardy LL, Okely AD, Dobbins T, Baur LA (2007) *The association between BMI, waist circumference and chronic disease risk factors in Australian adolescents.* Submitted for publication.

Denney-Wilson E, Crawford D, Hardy LL, Okely AD, Booth ML, (2007) *Influences on soft drink and fast food consumption in Australian adolescents.* Submitted for publication.

Denney-Wilson E, Kenny D, Hardy LL, Nelson P. (2006) *Associations between overweight and obesity and risk factors for cardiovascular disease and fatty liver in young offenders serving community orders.* *Vulnerable Children and Youth Studies* in press.

Booth M, Okely A, **Denney-Wilson E**, Hardy L, Yang B, Dobbins T. *NSW Schools Physical Activity and Nutrition Survey (SPANS) 2004*. Sydney: NSW Department of Health, 2006.

Denney-Wilson E, Booth ML, Baur LA. *Australian standard definition of child/adolescent overweight and obesity*. Canberra Department of Health and Ageing, 2001.

Denney-Wilson E, Booth M, Baur LA. *Development of an Australian standard definition of child/adolescent overweight and obesity: process and recommendations*. *Nutrition & Dietetics* (2003) 60:2 105-108.

Booth ML, **Denney-Wilson E**, Okely AD, Hardy LL. (2005) *Methods of the NSW Schools Physical Activity and Nutrition Survey (SPANS) 2004*. *Journal of Science and Medicine in Sports*, 8(3), 284-93.

Booth ML, Dobbins T, **Denney-Wilson E**, Hardy LL, Okely AD. *Trends in the prevalence of overweight and obesity among Australian children and adolescents 1985-1997* 2004. *Obesity* in press.

Wilson S, Connolly C, **Denney-Wilson E** *Patient privacy and security. Not a zero sum game!* 2004 *Australasian Epidemiologist* 12.1.

Book chapters

Elizabeth Denney-Wilson and Louise Baur *Clinical correlates of overweight and obesity* in Andrew Hills (editor) *Obesity in children and adolescents* in press.

Baur LA, **Denney-Wilson E**. *Chapter 39: Obesity in childhood and adolescence*. In: Kelnar, Saenger, Cowell & Savage (eds). *Growth Disorders*. 2nd edition. Publishers: Hodder Arnold, London in press.

Louise Baur and **Elizabeth Denney-Wilson** *Childhood and Adolescent Obesity* in Martin Silink, Kaicha Kida and Arlan Rosenbloom (editors) *Type II Diabetes in Children and Adolescents*. Martin Dunitz:London in press.

Selected published abstracts

Denney-Wilson E, Booth ML Okely A Crawford D, Hardy LL Baur LA. *Healthy Food Habits and Fitness: A Solution to the Metabolic Risk Factors Associated with Overweight in Adolescents?* North American Association for the Study of Obesity Annual Scientific Meeting, Vancouver Canada October 2005.

Denney-Wilson E, Crawford D, Okely AD, Booth ML, Yang B. *Soft drink consumption among adolescents: the NSW Schools Physical Activity and Nutrition Survey (SPANS 2004)*. Australian Society for the Study of Obesity Annual Conference 2004, Brisbane, 14-15 August 2004.

Denney-Wilson E, Booth ML Okely A Crawford D, Hardy LL Baur LA. *Risk factors for the metabolic syndrome among Australian adolescents: The NSW Schools Physical Activity and Nutrition Survey (SPANS) 2004*. North American Association for the Study of Obesity Annual Scientific Meeting, Las Vegas, Nevada November 2004.

Denney-Wilson E, Crawford D, Baur LA, Okely A, Booth ML. *Methods of the NSW Schools Physical Activity and Nutrition Survey 2004*. Australasian Epidemiological Association Annual Scientific Meeting, Perth, WA September 2003.