

HEALTHY  
PLACES =  
HEALTHY  
PEOPLE



## Healthy Built Environments Program Achievements 2010-2014

Never Stand Still

Built Environment

City Futures Research Centre



THE HEALTHY BUILT ENVIRONMENTS PROGRAM



WE ARE POLLUTING THE AIR WE BREATHE

THE HEALTHY BUILT ENVIRONMENTS PROGRAM'S  
VISION IS THAT BUILT ENVIRONMENTS WILL BE  
PLANNED, DESIGNED, DEVELOPED AND MANAGED  
TO PROMOTE & PROTECT HEALTH FOR ALL PEOPLE.

Supported by



THE HEALTHY BUILT ENVIRONMENTS PROGRAM

# DIRECTOR'S MESSAGE



## HBEP DIRECTOR'S MESSAGE

As we celebrate five years of the Healthy Built Environments Program, it is fitting to reflect on our key achievements. A lot has happened in healthy built environments during this period! The crucial role that the built environment plays in supporting people's health and wellbeing through their everyday living is now widely recognised. Healthy planning is seen by more and more planners as a key component of their work. There are inspiring examples of collaborative partnerships between built environment and health professionals as together we tackle the epidemic of chronic diseases associated with sedentary lifestyles.

A major highlight of the last five years has been the incorporation of a specific health objective, framed around the notion of healthy built environments, in the NSW Planning Bill 2013. The inclusion of this objective was the outcome of ongoing, strategic and concerted lobbying from different stakeholders in healthy built environments, and is a significant milestone for Australia. This is an achievement which recognises the impact of urban planning and development on the health and wellbeing of our whole population.

Another noteworthy piece of work is the Healthy Built Environments Literature Review which won an Excellence Award from the Planning Institute of Australia in 2012. This publication is widely used to support the development of policy and practice for healthy built environments.

There are many other significant achievements, which are presented in this report. Across our activities in research, leadership, advocacy, education and capacity building, we have much to be proud of and celebrate. There is growing interest in the Healthy Built Environments Program internationally – this year I have been invited to address workshops in China and Malaysia to talk about healthy cities and how we have worked across the disciplines of health and planning.

And yes, there is still more to be done and no room for complacency. Reflecting on what we have achieved inevitably includes looking to the future. My hope is that tomorrow will bring a healthy built environment supported by all levels of government with legislation setting the direction for policy and practice. I am optimistic that planners and health professionals will work in close consultation with each other, proud of the positive contribution that their work is making to sustain planetary and human health. Let's all join in celebrating this vision having built the foundations upon which it can evolve – and get ready for the challenges that lie ahead.

Photo: Professor Susan Thompson. Picture: Matthew Smithwick, Border Mail



**MY SPECIAL THANKS TO:**

- Professor Peter Sainsbury – who has been a hard-working Chair of the HBEP Advisory Board, as well as a supportive colleague in all of our activities.
- Professor Tony Capon – initially Co-Director of HBEP and now Director of the International Institute for Global Health at the United Nations University, Malaysia.
- My current HBEP staff – Ms Emily Mitchell (Senior Research Officer) and Dr Greg Paine (Research Officer) – both of whom share my passion for healthy built environments and have worked consistently to support the Program.
- Ms Jodi Lawton – Director of Lawton Design – the most creative and enthusiastic designer, as well as promoter of our work.
- NSW Ministry of Health – which had the foresight to fund the HBEP.
- Dr Jennifer Kent – the Program's first PhD student and principal researcher on the HBEP Literature Review.
- Dr Danny Wiggins – Consortium Partner with whom I worked intensively during 2013 delivering the 'health in planning' workshops.
- My students – who constantly inspire and challenge me about healthy planning. A healthy and sustainable built environment is their right and I hope, their future.

**And thanks to the Program's current Advisory Board Members:**

Professor Peter Sainsbury (CHAIR); and in alphabetical order: Professor Billie Giles-Corti; Ms Diana Griffiths; Ms Rema Hayek; Ms Helen Johnson; Mr Paul Klarenaar; Ms Nicola Lewis; Mr Peter McCue; Ms Julie-Anne Mitchell; Professor Bill Randolph; Ms Sarah Tasic.

Professor Susan Thompson, November 2014

ADVISORY  
BOARD.  
STAFF.  
CONSORTIUM  
MEMBERS.

HEALTHY BUILT ENVIRONMENTS PROGRAM ADVISORY BOARD  
MEMBERS 2010-2014 (IN ALPHABETICAL ORDER)

NAME	ORGANISATION
Mr Kerry Bartlett	WSROC
Professor Billie Giles-Corti	Originally University of Western Australia; then Melbourne University
Ms Karen Gillham	Hunter & New England Area Health Service
Ms Juliet Grant	NSW Transport and Infrastructure
Ms Diana Griffiths	Originally ARUP; then StudioGL
Ms Rema Hayek	NSW Health
Ms Jo Holden	NSW Health
Ms Helen Johnson	Transport for NSW
Mr Paul Klarenaar	Health Promotion, Northern Sydney Local Health District
Ms Nicola Lewis	NSW Health
Ms Bev Lloyd	NSW Health
Ms Claudine Lyons	NSW Health
Mr Peter McCue	NSW Premier's Council for Active Living
Dr Jo Mitchell	NSW Health
Ms Julie-Anne Mitchell	NSW Heart Foundation
Ms Karen Paterson	Division of Local Government (DPC)
Professor Bill Randolph	University of NSW
Professor Peter Sainsbury (CHAIR)	Population Health, SW Sydney and Sydney Local Health Districts
Ms Caroline Scott	Transport for NSW
Ms Norma Shankie-Williams	NSW Department of Planning and Infrastructure
Ms Emma Synnott	ARUP
Ms Sarah Tasic	ARUP
Associate Professor Sarah Thackway	NSW Health
Ms Robyn Vincin	Planning Institute of Australia NSW Division
Mr Andrew Whitehead	NSW Health

NOMINATED ALTERNATE ADVISORY BOARD MEMBERS

NAME	ORGANISATION
Ms Michelle Daley	NSW Heart Foundation
Mr David Hartmann	Transport for NSW
Ms Milly Licata	Hunter New England Health LHD
Ms Rhonda Matthews	NSW Health
Ms Michelle Maxwell	South Western Sydney Local Health District
Ms Elisabeth Peet	ARUP
Associate Professor Simon Pinnegar	University of NSW
Dr Sean Slavin	NSW Health
Ms Jo Smith	NSW Health
Ms Lauren Templeton	NSW Premier's Council for Active Living

HBEP  
First  
Advisory  
Board  
Meeting



STAFF OF THE HEALTHY BUILT ENVIRONMENTS PROGRAM  
2010-2014 (IN ALPHABETICAL ORDER)

NAME	TITLE	PERIOD OF EMPLOYMENT
Professor Tony Capon	Co-Director; Strategic Advisor	2010 - 2013
Mr Evan Freeman	Public Health Officer Trainee	2010
Dr Klaus Gebel	Senior Research Officer	2012 - 2013
Ms Linda Kennedy	Casual Research Assistant	2013
Dr Jennifer Kent	Research Officer; PhD Candidate; Senior Research Associate	2010 – 2014
Ms Louise McKenzie	Casual Research Assistant	2010 - 2014
Ms Emily Mitchell	Research Officer; Senior Research Officer	2011 - 2014
Dr Lisa Mu	Public Health Intern	2010
Dr Greg Paine	Casual Research Assistant; Research Officer	2013 - 2014
Dr Vivian Romero	Casual Research Assistant	2012 - 2014
Professor Susan Thompson	Director	2010 - 2014
Mr Andrew Wheeler	Research Assistant; Casual Research Assistant	2010 – 2013
Ms Joanna York	Senior Research Officer	2010 – 2012
Mr Ji Yu	Casual Research Assistant - GIS	2012 - 2014

HBEP  
Current  
Staff



Emily Mitchell  
Senior Research Officer



Greg Paine  
Research Officer

HEALTHY BUILT ENVIRONMENTS PROGRAM CONSORTIUM  
MEMBERS 2010-2014

SECTOR	KEY ATTRIBUTES	ORGANISATION	CONSORTIUM PARTNER
Academic	Specific disciplinary research knowledge and capabilities	Faculty of the Built Environment, UNSW	City Futures Research Centre Planning and Urban Development Program
	Interdisciplinary research understandings and skills		Landscape Architecture Program
	Learning and teaching expertise	Faculty of Medicine, UNSW	Public Health and Community Medicine
	Academic networks		
State Government	Policy knowledge in health	Sydney and South Western Sydney LHD Population Health	Population Health Directorate
	Research projects in health and built environment		Centre for Research, Evidence Management and Surveillance
	Practice expertise		Centre for Health Equity Training, Research and Evaluation
	Health network		Health Promotion Service
Local Government	Legislative, policy and practice knowledge; key networks	Western Sydney Region of Councils	Public Health Unit
			Multicultural, HIV/AIDS and Hepatitis C Services
			HIV and Related Programs
			Western Sydney Region of Councils
Non-government organisation	Broad knowledge and expertise in health and the built environment Key networks	Heart Foundation NSW	Heart Foundation NSW
Industry	Practice knowledge in health, built environment and sustainability Management skills	Arup	Arup
		Danny Wiggins, Planning, Facilitation and Education Services	Danny Wiggins
		Willana Associates, Urban Planning and Facilities Management	Willana Associates





## OVERVIEW OF THE HEALTHY BUILT ENVIRONMENTS PROGRAM

The Healthy Built Environments Program presents its key achievements for 2010-2014 in this report.

The Healthy Built Environments Program (HBEP) was formally established in 2010. HBEP is an innovative collaboration that brings the built environment and health together. The Program is situated in the City Futures Research Centre, Faculty of the Built Environment at the University of New South Wales (UNSW). The HBEP received its initial core funding (\$1.5 million over five years) from the NSW Ministry of Health. Other funding comes from the Australian Research Council and the Faculty of the Built Environment. The HBEP is contributing to revitalising the relationship between the built environment and health professions so that together we can create built environments that support people being healthy in their everyday lives.

### Healthy Built Environments Program Vision Statement

The HBEP's vision is that built environments will be planned, designed, developed and managed to promote and protect health for all people.

The HBEP aims to support the development in NSW of current and future communities in which the built environment promotes good health for all. This is done through the HBEP's three identified core strategies:

**RESEARCH** – the HBEP fosters interdisciplinary research which is policy and practice relevant.

**EDUCATION AND WORKFORCE DEVELOPMENT** – the HBEP advocates for closer links between health and the built environment.

**LEADERSHIP AND ADVOCACY** – the HBEP delivers innovative, cross disciplinary education and capacity building.

*This report presents the HBEP's major achievements over the past five years since its formal establishment in 2010. It opens with a brief overview of the governance structure of the Program. Our key achievements are then organised under the HBEP's three core strategies.*



FAST FOOD IS POLLUTING OUR BODIES





## HBEP GOVERNANCE

Core HBEP staff comprise the HBEP Director (0.5 FTE) and the HBEP Senior Research Officer (1.0 FTE). Research assistants are employed on an as-needed basis. Research personnel employed under other grants, which sit within the HBEP, are also part of the Program. HBEP Consortium partners support different aspects of the Program (see [www.be.unsw.edu.au/healthy-built-environments-program/key-contacts](http://www.be.unsw.edu.au/healthy-built-environments-program/key-contacts)).

The following governance activities have been undertaken by the HBEP in 2010-2014:

- **Advisory Board** – established in 2010, the Advisory Board’s membership comprises key stakeholders in healthy built environments across NSW. The Board meets quarterly with all associated secretarial support being undertaken by the HBEP.
- **Business Plan** – The HBEP prepares a business plan for each financial year. Once agreed with the Ministry of Health, the business plan is ratified by the Advisory Board and details the work program under the HBEP’s core strategies.
- **Quarterly Report of Activities** – Every quarter the HBEP prepares a detailed report of its achievements for discussion with the Ministry of Health and the Advisory Board. The Quarterly Report tracks progress against milestones in the Business Plan.
- **Annual Report** – An annual report is prepared at the end of the calendar year providing a summary of the HBEP’s major achievements under the Program’s core strategies. The annual reports are on the website: [www.be.unsw.edu.au/programs/healthy-built-environments-program/annual-reports](http://www.be.unsw.edu.au/programs/healthy-built-environments-program/annual-reports).

Beyond the HBEP, there are UNSW and Faculty governance and reporting requirements. The HBEP is a part of the City Futures Research Centre (CFRC), with the HBEP Director holding the position of Associate Director (Healthy Built Environments) in the CFRC. The HBEP is included in all CFRC team meetings, annual retreats and the CFRC Senior Leadership Team. An overview of HBEP activities is included in the CFRC Annual Report (see [www.be.unsw.edu.au/research-centres-and-clusters/city-futures/annual-report](http://www.be.unsw.edu.au/research-centres-and-clusters/city-futures/annual-report)) and HBEP items regularly appear in the quarterly CFRC Newsletter (see [www.be.unsw.edu.au/centres/city-futures/newsletters](http://www.be.unsw.edu.au/centres/city-futures/newsletters)).

In late 2013 through to 2014, the HBEP underwent an extensive evaluation. Documentation, including a ‘Key Achievements’ report and summary of capacity building evaluations, was prepared by the HBEP. A portfolio showcasing the Program’s body of work was also submitted for assessment. In-depth interviews with key stakeholders were undertaken by NSW Health staff as part of the evaluation. In addition, a site visit to the HBEP by independent reviewers was conducted. The Ministry of Health released its HBEP Evaluation Report in September 2014. The findings are overwhelmingly positive – the HBEP has been an effective force for advancing healthy built environments in NSW. The Evaluation Report is on the HBEP website: <http://www.be.unsw.edu.au/programmes/healthy-built-environments-program/about>

WE ARE LESS CONNECTED AS A COMMUNITY





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# RESEARCH

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## 1.0 RESEARCH

**Key theme: The HBEP fosters interdisciplinary research which is policy relevant.**

Development of a strategic research plan tailored to the NSW policy context has been paramount to the HBEP's success. This undertaking commenced in 2010 with establishment of the HBEP Advisory Board. The Advisory Board is a high level network of representatives from NSW State government departments, local government, academia, industry and non-government organisations. It is a consistent and effective forum for the identification of priority research needs on key policy relevant issues. At the beginning of 2010, the Board formed a steering committee to inform a comprehensive review of literature on health and the built environment (the 'HBEP Literature Review'). A series of listening tours were undertaken concurrently to ensure familiarity with the NSW context and identify ways additional inquiry could be most useful. Data collected through this exercise were subsequently clarified by a further stakeholder research project which was completed in 2011. Armed with a comprehensive understanding of existing literature and a thorough appreciation of the policy context in NSW, the HBEP team moved forward to produce the HBEP Research Strategy and Research Implementation Strategy in early 2012. This strategy, and associated documents and activities, provides a strategic articulation of current gaps in policy relevant research on healthy built environments and prioritisation of future research projects relevant to NSW. It forms the basis of the HBEP's key achievements in the area of research. Research projects specifically arising from the strategy, including the HBEP Mapping Project and the HBEP Indicators Research, contribute to understandings of the links between health and the built environment in NSW. Pursuit of this specific strategic intent occurred against a background of complementary research-related activities. These include execution of the most comprehensive qualitative field study of healthy built environments in NSW (the Australian Research Council Linkage Project 'Planning and Building Healthy Communities'), particular activities of the national Cooperative Research Centre for Low Carbon Living, as well as publication of scholarly journal articles, books, book chapters and conference papers, student research supervision and ongoing participation in the organisation of academic conferences and seminars.

The following section of this report provides further details about the HBEP's research related achievements.

1.01 RESEARCH THE HBEP RESEARCH STRATEGY

The Research Strategy provides direction for policy relevant research in the cross-disciplinary field of healthy built environments.

The Research Strategy provides direction for policy relevant research in the cross-disciplinary field of healthy built environments. Several key projects informed development of the Research Strategy. These projects are listed below:

- A comprehensive literature review
- Stakeholder Research Project
- Area Health Service Listening Tour
- Input from HBEP Advisory Board and Partners.

The Research Strategy:

- Identifies current gaps in policy relevant research on healthy built environments
- Prioritises research projects to build an evidence base for policy to implement healthy built environments in NSW
- Proactively combines the expertise of HBEP stakeholders to enhance research opportunities and undertake priority projects.

A Research Implementation Strategy was subsequently developed as an action-oriented document endorsed by both the NSW Ministry of Health and the HBEP Advisory Board. It proposes key research questions emanating from the Research Strategy. These key questions address areas of healthy built environments research of specific interest to the NSW Ministry of Health. The Research Implementation Strategy identifies two major research projects:

- Mapping of Healthy Built Environment Activities in NSW
- Indicators for a Healthy Built Environment

These particular projects address current gaps in understanding and knowledge and have high policy and practice relevance.

**Further documentation:** The HBEP Research Strategy: [www.be.unsw.edu.au/sites/default/files/upload/research/centres/cf/researchprograms/healthy\\_built\\_environments\\_program/research/Research\\_Strategy\\_2012-2014\\_revisedFeb2012.pdf](http://www.be.unsw.edu.au/sites/default/files/upload/research/centres/cf/researchprograms/healthy_built_environments_program/research/Research_Strategy_2012-2014_revisedFeb2012.pdf)

The HBEP Research Implementation Strategy: [www.be.unsw.edu.au/sites/default/files/upload/pdf/cf/hbep/research/Research\\_Implementation\\_Strategy\\_Revised\\_Sept2012.pdf](http://www.be.unsw.edu.au/sites/default/files/upload/pdf/cf/hbep/research/Research_Implementation_Strategy_Revised_Sept2012.pdf)

1.02 RESEARCH ‘HEALTHY BUILT ENVIRONMENTS: A REVIEW OF THE LITERATURE’

In 2012, the review and fact sheets received the Planning Institute of Australia’s (NSW Division) ‘Cutting Edge Research and Teaching Award’



In April 2011, the HBEP published a comprehensive review of scholarly literature on the relationship between the built environment and health. The review has informed the strategic research direction of the Program through its articulation of policy recommendations and identification of gaps in existing research. It provides an evidence base to develop, prioritise and implement healthy built environments policies.

‘Healthy Built Environments: A Review of the Literature’ has been widely disseminated and is regularly cited in research and other reports. For example, it was used to inform the NSW Planning Department’s review of the Metropolitan Strategy for Sydney and has featured in policy discussion and development at the NSW Ministry of Health, the National Heart Foundation and is used by Local Health Districts (LHDs) for evidence-based policy development, informing responses on planning proposals and for educational purposes. The HBEP Literature Review also featured in the 2011 State of Australian Cities report prepared by the then Federal government’s Major Cities Unit. This report makes several references to the Literature Review, specifically in relation to the usefulness of the ‘three domains’ to focus effective healthy built environments policy and action.

The HBEP Literature Review has been summarised in a series of succinct and policy relevant fact sheets for practitioners. In 2012, the review and fact sheets received the Planning Institute of Australia’s (NSW Division) ‘Cutting Edge Research and Teaching Award’. The HBEP Literature Review and Fact Sheets are available for free download from the HBEP website.

**Further documentation:** Healthy Built Environments: A Review of the Literature: [www.be.unsw.edu.au/programs/healthy-built-environments-program/literature-review](http://www.be.unsw.edu.au/programs/healthy-built-environments-program/literature-review)

Healthy Built Environments: Fact Sheets: [www.be.unsw.edu.au/programs/healthy-built-environments-program/fact-sheets](http://www.be.unsw.edu.au/programs/healthy-built-environments-program/fact-sheets)





1.03 RESEARCH HEALTHY BUILT ENVIRONMENTS LITERATURE UPDATES

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The HBEP Literature Review is a living project. Since April 2011, the HBEP has published a fortnightly review of new literature relating to healthy built environments. These updates are undertaken using key journals and alerts in the healthy built environments field. New research is summarised and collated under the three domains defined in the HBEP Literature Review in a document available for download from the HBEP website.

**Further documentation:** The Healthy Built Environments Literature Updates: [www.be.unsw.edu.au/city-futures/healthy-built-environments-program/literature-updates](http://www.be.unsw.edu.au/city-futures/healthy-built-environments-program/literature-updates)



1.04 RESEARCH LISTENING TOUR OF AREA HEALTH SERVICES (AHS)

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**A report on the ‘Listening Tour’ was presented to NSW Health in 2011 and formed the basis of both the Research Implementation Strategy and the Workforce Development Strategy.**

A ‘Listening Tour’ of all (former) AHSs across NSW was undertaken in 2010. The Tour involved formal focus group interviews with key staff engaged in the delivery of healthy built environments. Questions focused on current initiatives and challenges for health professionals. We also asked about capacity building needs and ideas for how the HBEP could assist. The focus group interviews were audio recorded for detailed qualitative research analysis. A report on the ‘Listening Tour’ was presented to NSW Health in 2011 and formed the basis of both the Research Implementation Strategy and the Workforce Development Strategy (discussed further below).

**Further documentation:** Listening Tour Report: [www.be.unsw.edu.au/sites/default/files/upload/research/centres/cf/researchprograms/healthy\\_built\\_environments\\_program/research/Listening\\_Tour\\_Report\\_June2011.pdf](http://www.be.unsw.edu.au/sites/default/files/upload/research/centres/cf/researchprograms/healthy_built_environments_program/research/Listening_Tour_Report_June2011.pdf)

1.05 RESEARCH STAKEHOLDER REVIEW

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**This project involved in-depth qualitative interviews with an array of key stakeholders currently working in the healthy built environments area.**

A detailed assessment of healthy built environments stakeholder understandings, and the use of research evidence in practice and policy making, was undertaken in 2010. This project involved in-depth qualitative interviews with an array of key stakeholders currently working in the healthy built environments area. Interviews were transcribed and analysed using a series of coding methods. Initial results were discussed with stakeholders at a workshop in early 2011. The recommendations and results published in the subsequent report were used to guide the HBEP Research Strategy. The research also resulted in a refereed conference paper: Freeman, E. Thompson, S. & Jalaludin, B. (2011) ‘Healthy Built Environments: Stakeholder engagement in evidence based policy making’, Paper presented to the 5th State of Australian Cities Conference, Melbourne, November-December, 2011.

**Further documentation:** Stakeholder Consultation Report: [www.be.unsw.edu.au/sites/default/files/upload/research/centres/cf/researchprograms/healthy\\_built\\_environments\\_program/research/Stakeholder\\_Consultation\\_Report2011.pdf](http://www.be.unsw.edu.au/sites/default/files/upload/research/centres/cf/researchprograms/healthy_built_environments_program/research/Stakeholder_Consultation_Report2011.pdf)

Stakeholder Workshop Report: [www.be.unsw.edu.au/sites/default/files/upload/research/centres/cf/researchprograms/healthy\\_built\\_environments\\_program/research/Stakeholder\\_Workshop\\_Report2011.pdf](http://www.be.unsw.edu.au/sites/default/files/upload/research/centres/cf/researchprograms/healthy_built_environments_program/research/Stakeholder_Workshop_Report2011.pdf)

SOAC Conference Paper: [http://soac.fbe.unsw.edu.au/2011/papers/SOAC2011\\_0122\\_final.pdf](http://soac.fbe.unsw.edu.au/2011/papers/SOAC2011_0122_final.pdf)



1.06 RESEARCH PLANNING AND BUILDING HEALTHY COMMUNITIES AUSTRALIAN RESEARCH COUNCIL (ARC) LINKAGE GRANT (\$534,897 OVER 3 YEARS)

This ARC Linkage Grant funded project commenced in 2011. The project partners are UrbanGrowth NSW (formerly Landcom), the National Heart Foundation and South Western Sydney Local Health District. The following outcomes have been achieved over the life of the project.

Environmental Observations and Interviews

- Development and application of the Healthy Neighbourhood Audit Instrument
- Collection of detailed data on land uses, street networks and patterns of behaviour in four case study sites – Rouse Hill, Victoria Park, Airds Bradbury and Renwick
- Development of a Healthy Neighbourhood Audit Report Template
- GIS analysis of Healthy Neighbourhood Audit data
- Development of a structured interview instrument and focus group questions
- Structured interviews with residents in Airds Bradbury, Rouse Hill, Victoria Park and Renwick
- Focus groups with residents in Airds Bradbury, Rouse Hill, Victoria Park and Renwick.

Assessment of the Food Environment

Food outlets and farmers’ markets in the case study sites were assessed as part of a larger study of 100 supermarkets in the highest and lowest socio-economic areas of Sydney; and 18 farmers’ markets across Sydney. The following outcomes have been achieved for this element of the project:

- Development of a Market Basket Survey Instrument and Quality Assessment Tool
- Development of a Produce Survey for farmers’ markets
- Development of survey instruments to interview customers and stallholders at farmers’ markets
- Collection of data on availability, affordability and quality of a healthy food basket in the designated supermarkets
- Collection of data on availability, diversity and quality of produce at farmers’ markets
- Interviews with customers and stallholders at farmers’ markets
- Analysis of supermarket and farmers’ market data.

Publications to Date

- Thompson, S. and Mitchell, E. (in submission) ‘*Understanding how Built Environments Enable Healthier Lives*’, Urban Development and Planning: Health and Wellbeing Themed Issue (UK)
- Thompson, S., Mitchell, E. and Crawford, B. (2013) ‘Planning and Building Healthy Communities’, 6<sup>th</sup> State of Australian Cities Conference, Sydney, November 2013.
- Mitchell, E. and Thompson, S. (2013) ‘The Healthy Neighbourhood Audit Instrument: Understanding the Environmental and Socio-Cultural Conditions to Support Healthy, Happy and Resilient Residential Communities’, 7<sup>th</sup> Australasian Housing Researchers’ Conference, 6-8 February 2013, Fremantle, Western Australia.
- Crawford, B., Byun, R., Mitchell, E., Kennedy, L., Torvaldsen, S., Thompson, S. and Jalaludin, B. (2013) ‘Cost, availability and quality of food in high and low socioeconomic areas of Sydney’, Poster presentation at the Public Health Association of Australia Annual Conference, Melbourne, September 2013.
- Crawford, B., Byun, R., Mitchell, E., Torvaldsen, S., Thompson, S. and Jalaludin, B. (2013) ‘Seasonal fresh food and a sense of place: Exploring farmers’ markets in Sydney’, Public Health Association of Australian Annual Conference, Melbourne, September 2013.

1.07 RESEARCH COOPERATIVE RESEARCH CENTRE FOR LOW CARBON LIVING

The CRC brings together leading researchers and key end-users from across Australia to develop new tools and community understandings to reduce carbon emissions and transform the built environment to a low carbon future.

In late 2011, establishment of the national Cooperative Research Centre (CRC) for Low Carbon Living, led by Scientia Professor Deo Prasad from the Faculty of the Built Environment UNSW, was approved with the awarding of \$28 million over seven years by the then Federal Department of Innovation, Industry, Science and Research. The CRC brings together leading researchers and key end-users (industry and government) from across Australia to develop new tools and community understandings to reduce carbon emissions and transform the built environment to a low carbon future. The HBEP had a substantial involvement in developing the application documents for the successful CRC, which officially commenced on 1 July 2012. HBEP’s ongoing involvement in the CRC includes a major project to develop a co-benefits calculator which will assess health and associated benefits from low carbon living.

Further documentation: The CRC for Low Carbon Living Website: [www.lowcarbonlivingcrc.com.au](http://www.lowcarbonlivingcrc.com.au)

1.08 RESEARCH EVALUATING URBAN CYCLING INFRASTRUCTURE AUSTRALIAN RESEARCH COUNCIL (ARC) LINKAGE GRANT

The HBEP contributes to the ARC Linkage project entitled ‘The Development and Application of an Evaluation Framework to Assess Transport, Health and Economic Impacts of New Urban Cycling Infrastructure’ (\$382,219 over 3 years from 2012). The grant strengthens collaboration between the HBEP and the University of Sydney, the National Heart Foundation of Australia, the NSW Roads and Traffic Authority, the NSW Ministry of Health, the City of Sydney Council and the Premier’s Council for Active Living (PCAL).



1.09 RESEARCH AUSTRALIAN HOUSING AND URBAN RESEARCH INSTITUTE (AHURI)  
GRANT ON HEALTHY HOUSING

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The panel found international evidence that housing improvements can enhance health.

HBEP partnered on this policy relevant research project, entitled ‘The Health Impacts of Housing’. Funded by AHURI, the project used an investigative panel methodology and participation with researchers and policy makers from public health, housing and urban planning from Australia and New Zealand. The panel found international evidence that housing improvements can enhance health. The review concluded that there was a lack of Australian evidence in relation to housing and health more generally. Based on input from the panel, the study authors devised principles to identify suitable research projects. Findings were published in 2011 in a final report to AHURI.

**Further documentation:** Phibbs, P. and Thompson, S. (2011) ‘The Health Impacts of Housing: Toward a policy relevant research agenda’, Australian Housing and Urban Research Institute Final Report No. 173, AHURI, Melbourne: [www.be.unsw.edu.au/sites/default/files/upload/pdf/cf/hbep/publications/attachments/Phibbs\\_Thompson\\_Housing\\_and\\_Health.pdf](http://www.be.unsw.edu.au/sites/default/files/upload/pdf/cf/hbep/publications/attachments/Phibbs_Thompson_Housing_and_Health.pdf)

1.10 RESEARCH RESEARCH PROPOSALS – GRANT SUBMISSIONS

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The HBEP has actively participated in the submission of research proposals for grants from different funding bodies. Such submissions require considerable time commitment in multi-disciplinary teams, as well as intellectual input and research acumen. Grant proposals include the following:

- 2013 proposal to the CRC for LCL entitled ‘The Co-benefits Calculator: A multi-level technological interface for informed cross-disciplinary decisions to facilitate, support and encourage low carbon living’
- 2013 proposal to the National Health and Medical Research Council (NHMRC) entitled ‘Incorporating health as an objective in the legislation of another sector to influence healthy urban environments: the case of the NSW Land-use Planning Review’
- 2014 proposal to the Australian Research Council (ARC) Discovery Grant entitled ‘Built Environment and Obesity: Exploring the Nexus’

1.11 RESEARCH HBEP MAPPING PROJECT

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The HBEP ‘Mapping Project’ was completed in June 2013. This study involved data collection from 46 organisations across NSW. The data was subsequently used to inform a report which explores the scope of activities that are delivered to support healthy built environments in the state. Data was also used to establish an on-line searchable database containing information on healthy built environments related organisations and activities. The database connects key stakeholders and acts to augment existing and emerging networks of HBE professionals.

**Further documentation:** Healthy Built Environment Activities in NSW: A Status Review 2013: [www.be.unsw.edu.au/sites/default/files/upload/pdf/cf/hbep/research/Healthy%20Built%20Environment%20Activities%20in%20NSW%20w%20Exec%20Summary%20June%202013%20FINAL\\_0.pdf](http://www.be.unsw.edu.au/sites/default/files/upload/pdf/cf/hbep/research/Healthy%20Built%20Environment%20Activities%20in%20NSW%20w%20Exec%20Summary%20June%202013%20FINAL_0.pdf)

1.12 RESEARCH HBEP INDICATORS PROJECT

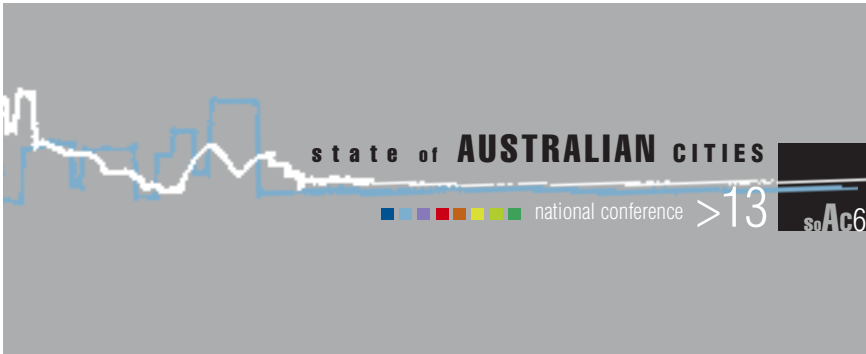
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While many suites of indicators for healthy built environments have been collated both in Australia and globally, there are no specific indicators relevant to the NSW context.

While many suites of indicators for healthy built environments have been collated both in Australia and globally, there are no specific indicators relevant to the NSW context. The Indicator Project aims to fill this gap. The objective was to prepare a suite of indicators for a healthy built environment for use by the NSW Health workforce and built environment practitioners. The focus is on practical indicators which are easy to understand, identify and measure. The Indicators themselves have been organised under the three domains and seven key actions, identified in the HBEP Literature Review, where the built environment will have an impact on health. The domains link the built environments and ‘Getting People Active’, ‘Connecting and Strengthening Communities’, and ‘Providing Healthy Food Options’. The Indicators are structured to show how they relate to the three domains and to the Healthy Urban Development Checklist (NSW Health). The Indicators Project will be an important legacy of the HBEP into 2015 and will be published on the HBEP website.

The HBEP is regularly involved in the organisation of national and international conferences. Some focus specifically on healthy built environments, whereas others incorporate healthy built environments issues more broadly. Since 2010, HBEP staff have been on the organising committees and actively contributed to the delivery of the following major conferences:

- Fenner Conference ‘Healthy Climate, Planet and People: Co-Benefits for Health from Action on Climate Change’ (June 2010)
- World Planning Schools Congress (July 2011)
- 3<sup>rd</sup>, 4<sup>th</sup> and 5<sup>th</sup> Making Cities Liveable Conferences (June–July 2011, 2012, 2013)
- 10<sup>th</sup> International Urban Planning and Environment Symposium (July 2012)
- 6<sup>th</sup> State of Australian Cities Conference (November 2013)



The HBEP aims to publish healthy built environments-related research in forums that are accessible to a wide audience. To this end, our publication strategy includes, and extends beyond, traditional scholarly journals. We use conferences, seminars, research reports, books, periodicals and fact sheets to strategically enhance our impact on the wider healthy built environments community, including key decision makers and practitioners.

The HBEP’s major publications are listed below in relevant categories.

Books

- Barton, H., Thompson, S.M., Grant, M. and Burgess, S. (Eds.) (in press, 2015) *Routledge Hand Book of Planning for Health and Well-being*. New York: Routledge.
- Thompson, S.M., & Maginn, P. (Eds.) (2012) *Planning Australia - An Overview of Urban and Regional Planning*. (2nd ed.) Melbourne: Cambridge University Press.
- Kent, J., Thompson, S.M. & Jalaludin, B. (2011) *Healthy Built Environments: A Review of the Literature*. Sydney: Healthy Built Environments Program, City Futures Research Centre, UNSW.

Book Chapters

- Thompson, S.M. & Capon, A. (2015) ‘Healthy People, Places and Planetary Systems: The co-benefits framework for understanding and action on climate change.’ In H. Barton, S.M. Thompson, M. Grant and S. Burgess (Eds.) (in press, 2015), *Routledge Hand Book of Planning for Health and Well-being*. New York: Routledge.
- Kent, J. & Thompson, S.M. (2015) ‘Healthy Planning in Australia.’ In H. Barton, S.M. Thompson, M. Grant and S. Burgess (Eds.) (in press, 2015), *Routledge Hand Book of Planning for Health and Well-being*. New York: Routledge.
- Kent, J., Capon, A., & Thompson, S.M. (2013) ‘Designing Health Promotion in Practice: An Australasian Perspective.’ In K. Copeland (Ed.), *Australian Healthcare Design*. Brisbane: International Academy for Design and Health.
- Kent, J., Thompson, S.M., & Capon, A.G. (2012) ‘Healthy Planning.’ In S.M. Thompson & P.J. Maginn (Eds.), *Planning Australia: An Overview of Urban and Regional Planning* (2 ed., pp. 381 – 408). Melbourne: Cambridge University Press.
- Thompson, S.M. (2012) ‘Planning for Diverse Communities.’ In S.M. Thompson & P.J. Maginn (Eds.), *Planning Australia: An Overview of Urban and Regional Planning* (2 ed., pp. 226 - 253). Melbourne: Cambridge University Press.
- Thompson, S.M., & Maginn, P.J. (2012) ‘What is Planning?’ In S.M. Thompson & P.J. Maginn (Eds.), *Planning Australia: An Overview of Urban and Regional Planning* (2 ed., pp. 17 – 33). Melbourne: Cambridge University Press.
- Capon, A.G. & Thompson, S.M. (2011) ‘Built Environments of the Future.’ In A.L. Dannenberg, H. Frumkin & R.J. Jackson (Eds.) *Making Healthy Places* (pp. 366-377). Washington DC: Island Press.

Refereed Journal Articles

- Thompson, S.M., Kent, J.L. & Lyons, C. (2014 in press) ‘Building Partnerships for Healthy Environments: Research, leadership and education’, *Health Promotion Journal of Australia*, Vol: PP. TBA.



- Kent, J.L. & Thompson, S.M. (2014) ‘The Three Domains of Urban Planning for Health and Well-Being’, *Journal of Planning Literature*, 29(3): 239-256.
- Thompson, S.M. & Kent, J.L. (2014) ‘Healthy Built Environments Supporting Everyday Occupations: Current Thinking in Urban Planning’, *Journal of Occupational Science*, 21 (1): 25-41.
- Thompson, S.M. & Kent, J.L. (2013) ‘Connecting and strengthening communities in places for health and well-being’, *Australian Planner*, 1-12, doi:10.1080/07293682.2013.837832.
- Kent, J.L. & Dowling, R. (2013) ‘Puncturing automobility? Carsharing practices’, *Journal of Transport Geography*, 32: 86-92.
- Kent, J.L. (2013) ‘Carsharing as Active Transport: What are the potential health benefits?’ *Journal of Transport and Health*.
- Kent, J.L. (2013) ‘Review: Transport Beyond Oil - Policy Choices for a Multimodal Future’, *Australian Planner*.
- Kent, J.L. & Thompson, S.M. (2012) ‘Health and the Built Environment: Exploring Foundations for a new Interdisciplinary Profession’, *Journal of Environmental and Public Health*. Volume 2012, Article ID 958175, 10 pages <<http://dx.doi.org/10.1155/2012/958175>>
- Capon, A.G. & Thompson, S.M. (2010) ‘Planning for the Health of People and Planet: An Australian Perspective’, *Planning Theory and Practice*, 11(1): 109-113.
- Thompson S.M., Whitehead A. & Capon A.G. (2010) ‘The Healthy Built Environments Program: a joint initiative of the NSW Department of Health and the University of NSW’, *NSW Public Health Bulletin*, 21(5–6): 134-8.
- Wheeler, A.R. & Thompson, S.M. (2010) ‘The future health and environmental sustainability of South East Queensland: an evaluation of the Regional Plan’, *Australian Planner*, 47(3): 152-161.

Refereed Monograph

- Phibbs, P. & Thompson, S.M. (2011) *The health impacts of housing: toward a policy relevant research agenda. AHURI Final Report: No. 173*. Melbourne: Australian Housing and Urban Research Institute.

Refereed Conference Papers

- Kent, J.L. (2013) ‘Private Car Use as Resistance to Alternative Transport: Automobility’s Interminable Appeal’. *6<sup>th</sup> State of Australian Cities Conference*. Sydney, November 2013.
- Dowling, R. & Kent, J.L. (2013) ‘The Challenges of Planning for Autonomous Mobility in Australia’. *6<sup>th</sup> State of Australian Cities Conference*. Sydney, November 2013.
- Thompson, S., Mitchell, E. & Crawford, B. (2013) ‘Planning and Building Healthy Communities’. *6<sup>th</sup> State of Australian Cities Conference*. Sydney, November 2013.
- Thompson, S.M., Kent, J. L. & Lyons, C. (2013) ‘Planning and Health: Forging New Alliances in Building Healthy and Resilient Cities.’ *Joint European (AESOP) and American (ACSP) Congress*. Dublin, July 2013.

- Mitchell, E. (2012) ‘Addressing the Dual Burden: Healthy Planning for Low and Middle-Income Countries.’ *10<sup>th</sup> International Urban Planning and Environment Symposium*. Sydney, July 2012.
- Thompson, S.M. & Kent, J.L. (2012) ‘Evidence Based Policy and Practice for Healthy Built Environments: The Three Domains.’ *Healthy Cities Conference*. Geelong, June 2012.
- Kent, J.L. & Thompson, S.M. (2011) ‘Fostering Effective Interdisciplinary Collaboration Between the Built Environment and Health.’ *State of Australian Cities Conference*. Melbourne, November 2011.
- Kent, J.L. (2011) ‘Biting the hand that feeds us: urban planning at the front line in the war against unhealthy eating.’ *Universitas 21 Graduate Research Conference on Food*. Kuala Lumpur, June 2011.
- Kent, J.L. (2011) ‘Biting the hand that feeds us – town planning at the front line in the war against unhealthy eating.’ *World Planning Schools Congress*. Perth, June 2011.
- Thompson, S.M., Kent, J.L. & Jalaludin, B.B. (2011) ‘Supporting Human Health: Focusing Effective Built Environment Interventions.’ *State of Australian Cities Conference*. Melbourne, November 2011.
- Thompson, S.M., Kent, J.L. & Wheeler, A. (2011) ‘Healthy Built Environments: Connecting and Strengthening Communities.’ *World Planning Schools Congress*. Perth, June 2011.
- Wheeler, A., Kent, J.L. & Thompson, S.M. (2011) ‘A Pathway for Practice: Translating Research Evidence into Healthy Planning Policy.’ *World Planning Schools Congress*. Perth, June 2011.
- Thompson S.M. & Capon A.G. (2010) ‘Designing a Healthy and Sustainable Future: A Vision for Interdisciplinary Education, Research and Leadership.’ *ConnectED 2010, 2<sup>nd</sup> International Conference on Design Education*. Sydney, June - July 2010.

Other Conference Papers

- Mitchell, E. & Thompson, S.M. (2014) ‘Planning and Building Healthy Communities: Exploring the relationship between the built environment and walking.’ *Walk21 Conference*. Sydney, Australia, October 2014.
- Thompson, S.M. (2014) ‘Creating Healthy Cities: An exemplar integrated and strategic partnership – the Healthy Built Environments Program.’ *7<sup>th</sup> International Urban Design Conference*. Adelaide, Australia, September 2014.
- Thompson, S.M. (2012) ‘The Healthy Built Environments Program: An Interdisciplinary and Connected Way-of-Working.’ *49<sup>th</sup> International Making Cities Livable Conference*. Portland, Oregon, May 2012.

Other Reports and Articles - Practice and Professional Journal Articles

- Thompson, S.M. (2014) ‘You Are Where you Live: Health, wealth and the built environment’, *The Conversation*, 12 March 2014: <http://theconversation.com/you-are-where-you-live-health-wealth-and-the-built-environment-23141>



1.14 RESEARCH PUBLICATIONS

A highlight of the HBEP publication strategy has been a regular column in the periodical ‘New Planner’ - the official quarterly journal of the NSW Division of the Planning Institute of Australia.

- Thompson, S.M. (2014) ‘Creating Healthy Built Environments’, *Inner Sydney Voice*, Winter: 14-17: <http://innersydneyvoice.org.au/pub/creating-healthy-built-environments/>
- Thompson, S & Mitchell, E (2014) ‘Healthy Built Environments: A growing role for developers’, *EnviroDevelopment Professional*, April 2014: [http://www.envirodevelopment.com.au/03\\_eneews/newsletter.asp?ID=134](http://www.envirodevelopment.com.au/03_eneews/newsletter.asp?ID=134)
- Capon, A.G. & Thompson, S.M. (2012) ‘Our habitat, our habits, and our health’, *Diabetes Connect*, Autumn 2012: 12-13.
- Thompson, S.M. & Capon, A.G. (2012) ‘Designing for Health: Knowledge and Resources for Built Environment Professionals’, *Landscape Architecture Australia*, 134:26.
- Wheeler, A. (2012) ‘The life and death of the Australian backyard’, *Urban Morphology*, 16: 173-174.
- Rose, N., Thompson, S.M. & Capon, A.G. (2010) ‘Urbanism and Health’, in *The Health of the People of New South Wales: Report of the Chief Health Officer*. Sydney: NSW Department of Health (pp.34-43).

New Planner ‘Healthy Built Environments’ Column

A highlight of the HBEP publication strategy has been a regular column in the periodical ‘New Planner’ - the official quarterly journal of the NSW Division of the Planning Institute of Australia. Since 2010 we have published 20 articles and edited an entire special issue devoted to planning for health. The journal is distributed to every member of the Planning Institute of Australia in NSW and is highly regarded throughout the practising planning profession.

- Thompson, S.M. & McCue, P. (2014) ‘Healthy Built Environments: Let’s get walking - The Legacy of Sydney’s Walk21 Conference’, *New Planner*, December: PP TBA.
- Thompson, S.M. & McCue, P. (2014) ‘Healthy Built Environments: Looking Forward to the Healthy City’, *New Planner*, October: 37.
- McCue, P., & Thompson, S.M. (2014) ‘Healthy Built Environments - Designing Urban Activation Centres for Healthy Communities’, *New Planner*, June: 26.
- Thompson, S.M. & McCue, P. (2014) ‘Healthy Built Environments - Making our Towns and Cities Walkable’, *New Planner*, March: 29-30.
- Thompson, S.M. & Klarenaar, P. (2013) ‘Healthy Built Environments – 2013: A Watershed in Healthy Planning’, *New Planner*, December: 28.
- Thompson, S.M. & Byun, R. (2013) ‘Healthy Built Environments - Adding up the Numbers: Health and Wellbeing Data for Planners’, *New Planner*, September: 26.
- Thompson, S.M. & Capon, A.G. (2013) ‘Healthy Built Environments - The Value of Planning for Interdisciplinary Understandings’, *New Planner*, June:26.
- Thompson, S.M. & Capon, A.G. (2013) ‘Healthy Built Environments - Getting the Balance Right: 21st century planning for human wellbeing’, *New Planner*, March:26.
- Thompson, S.M. & Capon, A.G. (2012) ‘Healthy Built Environments: From Rhetoric to Reality: Mind the Gaps!’, *New Planner*, December: 21.

1.14 RESEARCH PUBLICATIONS

- Capon, A.G. & Thompson, S.M. (2012) ‘Healthy Built Environments @ Rio+20’, *New Planner*, September: 13.
- Thompson, S.M. & Harris, P. (Eds) (2012) Healthy Urban Environments Special Issue, *New Planner*, June.
- Thompson, S.M. & Capon, A.G. (2012) ‘Healthy Built Environments: Putting Children First’, *New Planner*, March: 22-3
- Thompson, S.M. & Capon, A.G. (2011) ‘Healthy Built Environments: The Built Environment and Access to Healthy Food: What’s the Evidence?’, *New Planner*, December: 16-7
- Thompson, S.M. & Capon, A.G. (2011) ‘Healthy Built Environments: The Built Environment and Strengthening Communities: What’s the Evidence?’, *New Planner*, September: 20-1
- Thompson, S.M. & Capon, A.G. (2011) ‘Healthy Built Environments: What’s the Evidence?’, *New Planner*, June: 12-3
- Thompson, S.M. & Capon, A.G. (2011) ‘Healthy Built Environments: Supporting planning policy and practice’, *New Planner*, March: 10-1
- Thompson, S.M. & Capon, A.G. (2010) ‘A Healthy Built Environments Year’, *New Planner*, December: 10-1
- Thompson, S.M. & Capon, A.G. (2010) ‘Housing and Health’, *New Planner*, September: 10-1
- Capon, A.G. & Thompson, S.M. (2010) ‘Food and the city’, *New Planner*, June: 10-1
- Thompson, S.M. & Capon, A.G. (2010) ‘Human Health is a new connection for planning in NSW’, *New Planner*, March: 18-9

Further documentation: Healthy Built Environments column in New Planner: [www.be.unsw.edu.au/programs/healthy-built-environments-program/new-planner](http://www.be.unsw.edu.au/programs/healthy-built-environments-program/new-planner)

1.15 RESEARCH RESEARCH STUDENT SUPERVISION

Urban planning at UNSW is the only program in Australia to be awarded a five star ranking for urban and regional planning by the Australian Research Council’s ‘Excellence in Research Australia’ initiative (ERA) in 2012. The UNSW planning degree is widely recognised as the state’s premium planning program and the HBEP has become the ‘go to’ hub for planning students keen to undertake research on healthy built environments. HBEP’s research students and their thesis topics are listed below.

PhD Research

- ‘Secured by automobility: why does the private car continue to dominate transport practices?’ by Jennifer Kent (Completed 2013)
- ‘A study on the impacts of quantifying co-benefits of low carbon policies on policy decision making’ by Sardar Karim
- ‘The relationship between residential density, walkability scores and actual activity: the implications for cities and urban planning’ by David Bennett

## 1.15 RESEARCH RESEARCH STUDENT SUPERVISION

- 'Integrated landscapes for ageing well in the urban environment: an Australian perspective' by Helen Kendall
- 'Planning for ageing: a healthy lifestyle in an age-friendly built environment' by Gary Shiels
- 'Climate, public space and public health: the influence of heat on public space use and implications for public health' by Louise McKenzie
- 'Hospital facility resilience: developing an adaptation framework for extreme weather events' by Anumitra Mirti Chand
- 'Energy cooperatives and low carbon living' by Jarra Hicks
- 'Community engagement in urban planning' by Shirley Lithgow.

### MPhil Research

- 'Evaluating the effectiveness of the DVA Falls Prevention Program in preventing falls amongst the elderly living at home' by Elaine Tan

### Master of Planning Research

- 'Dance Lessons from China: Bringing Daily Dance Activities to Sydney's Open Spaces' (2014) by Bo Pang
- 'Does the Provision of Recreational Infrastructure Facilitate Physical Activity?' (2014) by Elise Leeder
- 'The forces driving car-sharing in Australian cities' (2013) by Keeley Allen
- 'Urban pets: is there a place for pets in strata living?' (2013) by Joy Ong
- 'To what extent do medium sized workplaces in inner Sydney enable cycling to work' (2013) by Caitlin Brookes
- 'Food security in urban areas' (2010) by Katherine Fitzallen
- 'Free range kids: independence and the urban child' (2010) by Anna Russell.

### Bachelor of Planning Research

- 'Off the leash: investigating accessibility to open spaces for dogs in the City of Sydney' (2014) by Alexandra Marks
- 'The role of the planner in promoting exercise' (2014) by Mitchell Davies
- 'Seniors living: planning for the ageing Australian' (2013) by Patrice Grzelak
- 'Perceptions of safety and its effects on people's health' (2013) by Shoilee Iqbal
- 'The role of farmers' markets in contributing to local food security' (2013) by Maxine Szeto
- 'Planning for cycling interventions: A look at the Inner Sydney Public Bicycle Scheme' (2013) by Boris Santana
- 'Riding in the margins: discourse analysis of cycling policy' (2013) by Olivier Monthule-McIntosh

## 1.15 RESEARCH RESEARCH STUDENT SUPERVISION

- 'Walk the walk: an evaluation of Sydney metropolitan recreational trails' (2012) by Teille Whiteman
- 'Urban planning for equitable food landscapes: an in-depth case study' (2012) by Emily Salvisberg
- 'The role of farmers' markets in place-making' (2012) by Sohini Sen
- 'Planning for urban health: an analysis of metropolitan strategic planning in Australia' (2011) by Andrew Wheeler
- 'Let's get physical: planning for outdoor gyms in Australia' (2010) by Ellen Caldwell.
- 'Planning for urban health: an analysis of metropolitan strategic planning in Australia' (2011) By Andrew Wheeler
- 'Let's get physical: planning for outdoor gyms in Australia' (2010) By Ellen Caldwell.



Exhibition of students work





# EDUCATION AND WORKFORCE DEVELOPMENT

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## 2.0 EDUCATION & WORKFORCE DEVELOPMENT

**Key theme: The HBEP delivers innovative, cross disciplinary education and capacity building.**

Enrichment of the knowledge base and skills of NSW Health professionals has been at the heart of the HBEP’s education and workforce development strategy. This commenced in 2010 with delivery of a series of capacity building workshops in healthy built environments to NSW health personnel across the state. Six of the eight (former) Area Health Services participated. Following a major restructure of NSW Health, the HBEP Workforce Education and Capacity Building Plan and the Workforce Development Plan were released in the latter half of 2012. These documents paved the way for a series of ten workshops for health professionals across NSW, which were completed in November 2013. Entitled the ‘Planning for Health Workshops’, the series aimed to equip health professionals in NSW to better engage with the NSW planning system. Over 200 professionals attended the workshops, including staff from LHDs, local councils and other interested groups. In 2014 we continued face-to-face capacity building. In April we held a day long symposium entitled ‘Making It Happen’, focussing on practical translation of healthy built environment principles and theories. We have also developed a comprehensive set of e-learning resources which can be accessed for free from the Program’s website.

The HBEP’s presence at UNSW has also ensured that this state’s future urban planners are equipped with the knowledge and skills to be able to plan and build healthy built environments. The UNSW planning degree is widely recognised as the degree of choice for those wishing to pursue a career in planning. As a result of the HBEP, all students undertaking planning at UNSW have the opportunity to learn about the health-built environment connection. This is primarily through the offering of elective courses, which would not be possible without our support. Furthermore, regular guest lectures and seminars by HBEP staff ensure UNSW students are consistently exposed to the healthy built environments message. Our presence in the Faculty also ensures we are able to supervise and support students wishing to pursue healthy built environments related research. The following section of this report provides further details about the HBEP key achievements related to education and workforce development.

2.01 EDUCATION & WORKFORCE DEVELOPMENT CONTRIBUTION TO ‘HEALTHY URBAN DEVELOPMENT CHECKLIST’

The ‘Healthy Urban Development Checklist’ is a comprehensive guide to help health professionals engage with local councils on health issues in relation to urban development plans and proposals. In 2010, NSW Health adopted the checklist as official policy. HBEP participated in development of the checklist, providing an urban planning perspective. We use the checklist regularly in our educational and advocacy activities, including in the teaching of undergraduate and postgraduate courses at the University of NSW and in our workshops.

2.02 EDUCATION & WORKFORCE DEVELOPMENT NSW HEALTH CAPACITY BUILDING

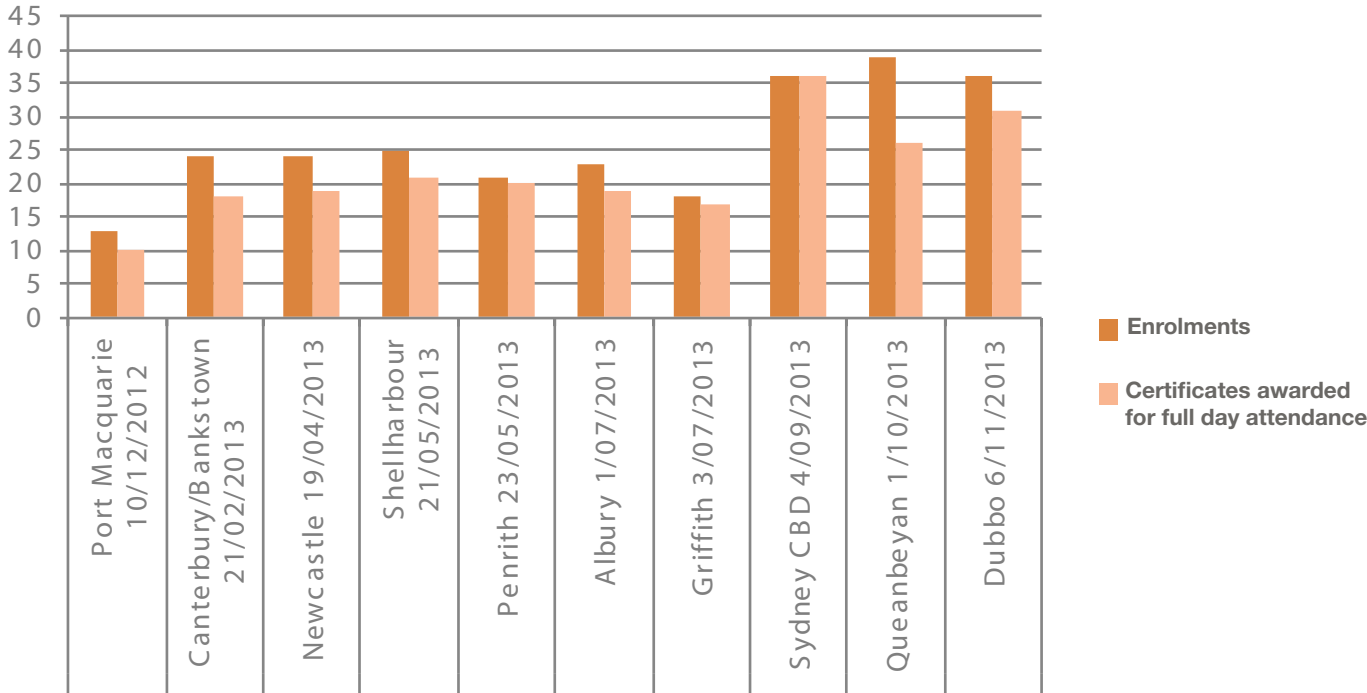
In 2010, the HBEP delivered a series of capacity building workshops in healthy built environments to NSW Health personnel across the state.

In 2010, the HBEP delivered a series of capacity building workshops in healthy built environments to NSW Health personnel across the state. Six of the eight (former) Area Health Services (now known as Local Health Districts) participated. The capacity building included introductory training on the ‘Healthy Urban Development Checklist’ as well as general healthy built environment principles. Following a major restructure of NSW Health, the HBEP Workforce Education and Capacity Building Plan and Workforce Development Plan were released in the latter half of 2012. These documents paved the way for a series of ten workshops for health professionals across NSW. Entitled the ‘Planning for Health Workshops’, the series aimed to equip health professionals in NSW to better engage with the NSW planning system. Delivered by HBEP Director Thompson and HBEP consortium partner, Dr Danny Wiggins, the specific objectives were to:

- Explain in detail the operation of the NSW planning system, with a focus on strategic planning and development assessment
- Discuss, with examples, how the NSW planning system can promote supportive environments for health
- Provide advice on key points in the planning process for input from health professionals
- Introduce and work through the ‘Healthy Urban Development Checklist’ as a useful tool for health professionals to respond to planning proposals
- Provide advice (with worked examples) on preparing submissions to State and local planning agencies using the ‘Healthy Urban Development Checklist’.

A range of stakeholders participated in the all-day forums, including staff from Local Health Districts (LHDs), local councils and other interested groups (e.g. Medicare Locals, Heart Foundation, PCAL and community based groups). The graph shows the location and dates of forums, enrolments and full day attendance numbers.

2.02 EDUCATION & WORKFORCE DEVELOPMENT NSW HEALTH CAPACITY BUILDING



Albury



Shellharbour



Port Macquarie



Newcastle



## 2.03 EDUCATION & WORKFORCE DEVELOPMENT THE HBEP E-LEARNING STRATEGY & RESOURCES

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**A key aim of the HBEP is the provision of opportunities for busy and geographically diverse professionals to learn about healthy built environments.**

A key aim of the HBEP is the provision of opportunities for professionals to learn about healthy built environments. e-Learning is therefore an important way to engage a busy and geographically diverse set of professionals potentially interested in, and integral to, the creation of healthy built environments. To take advantage of this opportunity, the HBEP has developed a range of e-learning resources. These resources are available on-line for anyone interested in healthy built environments. Resources include videos, lectures on healthy built environments and research documents.

**Further documentation:** e-Learning HBEP resources: [www.be.unsw.edu.au/programs/healthy-built-environments-program/online-education-resources](http://www.be.unsw.edu.au/programs/healthy-built-environments-program/online-education-resources)

## 2.04 EDUCATION & WORKFORCE DEVELOPMENT THE HBEP MINI-AUDIT TOOL

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The HBEP Mini-Audit tool is a branded audit instrument to enable students of healthy built environments to practice observing and documenting the health related elements of built environments. The tool is the result of many years of development and use in Healthy Planning courses at UNSW. It takes students through a series of questions that require detailed observations of their environment and can be adapted for use in any campus-style environment. To date, the tool has been used in tertiary courses at both UNSW and the University of Canberra. In 2014 the audit was adapted for use at a two day healthy planning workshop for planning practitioners in Suzhou City in China. It has also been used in LHD staff training. It is available for free download from the e-learning website page.

## 2.05 EDUCATION & WORKFORCE DEVELOPMENT FORMAL TERTIARY COURSES

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### Healthy Planning (UNSW Course Code: BENV2949)

'Healthy Planning' is an interdisciplinary undergraduate elective at UNSW. It is for senior students studying to be built environment and health professionals. The course focuses on the ways that built, natural and socio-cultural environments enhance and sustain the physical and psychological health of contemporary communities. Teaching encompasses interdisciplinary theory, research and practical applications and tools. Since 2010, 120 students have successfully completed the course, including two staff from NSW Health and one from the HBEP.

### Healthy Built Environments (UNSW Course Code: BENV7712)

'Healthy Built Environments' is a postgraduate elective that was developed by the HBEP and offered for the first time in Semester 2, 2010. The course focuses on the role of the built environment in supporting healthy behaviour for diverse communities. It examines the ways in which health and built environment professionals are collaboratively addressing the epidemic of chronic disease associated with sedentary and socially isolated urban living. Current research, legislative and policy frameworks, together with best practice from Australia and abroad, are critically evaluated. The HBEP partners are involved in course delivery and resource contributions. Each semester, course places are offered to NSW Health staff as a component of the HBEP's capacity building activities. From 2010 to 2014, 20 staff from NSW Health, one from the HBEP and 110 students from UNSW successfully completed the course.

## 2.06 EDUCATION & WORKFORCE DEVELOPMENT OTHER UNIVERSITY BASED EDUCATIONAL ACTIVITIES

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**The interdisciplinary nature of the health-built environment connection ensures that the HBEP team are regularly invited to lecture in other tertiary degree programs and at other institutions.**

The interdisciplinary nature of the health-built environment connection ensures that the HBEP team are regularly invited to lecture in other tertiary degree programs and at other institutions. Since 2010, the team has delivered over 20 lectures on healthy built environments to university students from public health, environmental science, medicine, exercise physiology, landscape architecture, construction management, architecture, interior architecture, industrial design and resource management, as well as to students of urban planning and urban design. Lectures have been presented at a number of tertiary institutions including UNSW, Macquarie University and the University of Canberra.

**Since 2010, the HBEP has mentored and supervised two Public Health Officer Trainees.**

Since 2010, the HBEP has mentored and supervised two Public Health Officer Trainees. The first Trainee undertook research on key stakeholder involvement in healthy built environments, while the second examined food environments in Sydney and surrounds, completing a market basket survey and research on farmers' markets. The HBEP has also mentored and supervised one Public Health Intern from Canada who undertook different curriculum projects in her time with the HBEP, including a problem based learning activity. In addition, the HBEP has hosted a six month placement of a student from the UNSW Bachelor of Planning program who worked on a variety of projects. In late 2013, the HBEP commenced mentorship of a Health Promotion Coordinator employed in a rural LHD for the Health Education and Training Institute through its 'Rural Research Capacity Building Program'.



**Participants at different capacity building events**



# LEADERSHIP AND ADVOCACY







### 3.0 LEADERSHIP & ADVOCACY

**Key theme: The HBEP involves government and non-government agencies, the private sector and the community in advocating for closer links between health and the built environment.**

Our primary achievement relating to leadership and advocacy has been the development of a network of key decision-makers and practitioners relevant to the delivery of healthy built environments in NSW. Under our leadership, this network has flourished to enact not only real change but also to provide a forum for the dissemination of evidence and opportunities to debate and brainstorm the way this evidence can be used in NSW. We have fostered this network in a number of ways, including establishment of the HBEP Advisory Board, organisation of a series of external workshops and forums as well as maintenance of regular columns in circulars, development of a comprehensive and well utilised website and distribution of a quarterly newsletter. More recently we have worked to map this assembly of professionals through the HBEP mapping project. A major outcome of this exercise has been the establishment of an online searchable database containing information of those involved in healthy built environments activities in NSW.

The most exciting achievement of the network has been the incorporation of health as an objective in new urban planning legislation for NSW. While it is difficult to attribute legislative change to any one group, HBEP’s work, in collaboration with PCAL, was extremely instrumental in ensuring that a consistent and clear message on the importance of health in planning decision-making was delivered to the working party responsible for the legislative review. This inclusion opens the door to ongoing augmentation of the health-built environment relationship in NSW. It is a unique and inspiring opportunity, however its full realisation will only result from ongoing promotion from within the health and planning professions.

The following section provides further details of the HBEP’s key achievements related to leadership and advocacy.

**Providing the ultimate endorsement of urban planning’s embrace of health as a planning concern, the draft legislation tabled in the NSW Parliament in October 2013 includes health as a primary matter for consideration under the new Planning Act.**

In July 2011, the NSW Government commenced the first comprehensive review of the State’s Planning System in over 30 years. The Review process was launched with extensive consultations held across the state. The second phase of the Review focused on an Issues Paper covering the ideas and feedback received during the initial consultation phase. A Green Paper entitled ‘A New Planning System for NSW’ was published by the NSW Government in July 2012 and was followed by a White Paper and draft legislation in April 2013.

Providing the ultimate endorsement of urban planning’s embrace of health as a planning concern, the draft legislation tabled in the NSW Parliament in October 2013 includes health as a primary matter for consideration under the new Planning Act. This means that human health and wellbeing must be considered in all planning decision-making governed by the Act. This inclusion is the result of lobbying by an array of stakeholders and the HBEP’s role in inspiring and mobilising these stakeholders, as well as the strength of our own submissions, cannot be underestimated.

During 2012 and 2013, HBEP jointly hosted three stakeholder forums on the NSW Planning System Review with PCAL. These forums were well attended by key stakeholders with an interest in healthy built environments. Attendees represented an array of organisations, including NGOs, LHDs, academia, industry and local and state government. They were from diverse backgrounds, including health, planning, aged care, architecture and law enforcement agencies.

The aim of the forums was to bring stakeholders together to discuss the best way to respond to the ongoing review of the Planning System. The first forum was held in January 2012. The second forum was held in August 2012, and the most recent forum was held in April 2013 to discuss the White Paper and draft legislation. At each forum, the focus of discussion was how to best integrate health concerns into the new planning legislation. Stakeholders were provided with practical tips and advice on the structure and content of their separate submissions to the review. This resulted in a consistent and clear message delivered to the working party responsible for the legislative review, with the inclusion of health as a matter for consideration in planning decision-making ensuing as the ultimate outcome. Each forum was facilitated by HBEP Consortium Partner, Dr Danny Wiggins. Forums included presentations from the Department of Planning and Infrastructure (DPI) and PCAL, with staff from LHDs also presenting at the final forum.

In addition to the joint organisation of these remarkably effective and productive forums, the HBEP made three separate submissions to the state in response to the review. We also attended a number of invitation only roundtable discussions with the DPI and took part in the community consultation process for the review.

**Further documentation:** The HBEP submissions on the review of the NSW Planning System: [www.be.unsw.edu.au/programs/healthy-built-environments-program/submissions](http://www.be.unsw.edu.au/programs/healthy-built-environments-program/submissions)

**The HBEP has made submissions on issues of importance to promoting and supporting healthy built environments in a variety of policy and practice contexts.**

In addition to its submissions on the review of the NSW planning system, the HBEP has made submissions on issues of importance to promoting and supporting healthy built environments in a variety of policy and practice contexts. Key submissions are summarised below.

**A New Metropolitan Strategy for Sydney**

The HBEP made two submissions to the NSW DPI in response to the Department’s discussion paper and draft Metropolitan Strategy for Sydney. This Strategy is currently under review and presents several opportunities to strengthen planning for healthy built environments in Sydney. The HBEP has been integral to ongoing negotiations with the DPI to support the inclusion of health as a specific objective, together with associated policy, within the new Strategy.

**NSW Strata and Community Scheme Laws**

In response to the NSW Government’s review of the state’s strata and community scheme laws, the HBEP lobbied to increase the health enhancing aspects of higher density living. We focused on the well-researched health benefits of companion animals, and the restrictions on pet ownership in some strata-titled residential developments.

**Submission on Australia’s National Urban Policy**

In May 2011, the Federal Department of Infrastructure and Transport released the National Urban Policy – ‘Our Cities, Our Future: A national urban policy for a productive, sustainable and liveable future’. At the time it represented the then Australian Labor Government’s long-term commitment to making the nation’s cities and regional centres more productive, sustainable and liveable. The HBEP submission was considered in the framing of this Policy. In its submission, the HBEP identified five areas that require further development to ensure that health and wellbeing are fully and adequately addressed in a national urban policy.

**Victorian Parliamentary Inquiry**

The HBEP made a submission to the 2011 Victorian Parliamentary Inquiry into the contribution of environmental design to preventive public health. In making its submission, the HBEP drew from the findings of the Program’s Literature Review.

**NSW Skin Cancer Prevention Digital Strategy**

The HBEP made a submission to the NSW Cancer Institute’s Skin Cancer Prevention Strategy 2012-15 Public Consultation. The purpose of the Strategy is to operationalise the skin cancer prevention component of the NSW Cancer Plan, and to provide a framework for a coordinated comprehensive, community-wide approach to reducing over-exposure to ultraviolet radiation (UVR) for the next four years. The HBEP’s submission referred directly to the Program’s Literature Review, raising issues relating to the importance of shading as a vital component in encouraging sun-safe physical activity and community connection in outdoor spaces.

**Further documentation:** Selected key HBEP submissions: [www.be.unsw.edu.au/programs/healthy-built-environments-program/submissions](http://www.be.unsw.edu.au/programs/healthy-built-environments-program/submissions)



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- Since 2010, HBEP staff have been invited to present at over 35 different conferences, seminars and public lectures. These range from the Climate Change Science Research Network to the Australian Health Promotion Association. Selected keynote presentations are listed below:
- ‘Shaping the Future City - The Healthy City’ at the Universitas 21 Summer School in Sydney (July 2014)
  - ‘Supporting Healthy Eating and Active Living’ at the NSW Healthy Eating Active Living Network Annual Meeting in Sydney (February 2014)
  - ‘Creating Healthy Built Environments’ at the 2nd Obesity Australia Summit in Canberra (November 2013)
  - ‘Planning, Health and the Environment: Working across disciplines, breaking down professional silos’ at the Water Services Association of Australia Adaptive Planning and Integrated Water Management Network in Melbourne (August 2013)
  - ‘Making it Happen - How to build a stronger, healthier community: The role of the built environment’ at the Environmental Health Australia Congress in Adelaide (April 2013)
  - ‘Healthy Built Environments: Supporting Everyday Occupations’ at 6th Australasian Occupational Science Symposium in Canberra (December 2012)
  - ‘Designing Healthy Communities: Weaving the Threads Together’ at Creating Environments to Improve Health in Sydney (November 2012)
  - ‘Integrating Health and Planning: What does the evidence say?’ at the Health for all Through Planning Forum in Adelaide (November 2011)
  - ‘Supportive Environments for Health’ at the Australian Public Health Association 2011 Annual Conference in Brisbane (September 2011)
  - ‘Planning Cities to Promote Mental Health’ at the Rising to the Challenge, Urban Mental Health Conference in Sydney (February 2011)
  - ‘Healthy Communities’ to the Australasian Place Leaders Association in Sydney (September 2010)
  - ‘Mobility from a Health and Sustainability Perspective’ at the ACT ‘Active Living Forum’ in Canberra (August 2010)
  - ‘New Ways of Working: The NSW Healthy Built Environments Program’ at the 2010 Healthy Cities Conference, Brisbane (July 2010)
  - ‘Transport and Health: Sustainability, equity and wellbeing’ at the Adelaide Healthy Cities Onkaparinga Community Forum (July 2010)
  - ‘Healthy Built Environments Program’ at the Parks and Leisure Australia Seminar ‘Planning for Healthy Living’ in Dubbo (June 2010)
  - ‘Sustainability: An opportunity for health promotion’ to the AGM of the NSW Branch of the Australian Health Promotion Association (April 2010)
  - ‘Climate Change and Health’ to the NSW Climate Change Science Research Network (April 2010)
  - ‘Sustainability: An opportunity for health promotion’ to the Australian Health Promotion Association (April 2010)
  - ‘Health and Planning - Rejuvenating the Relationship’ to the NSW Healthy Weight Network in Sydney (March 2010)

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The HBEP is recognised internationally as an exemplar of the way health and built environment professionals need to work together. We have developed a network of international leading figures and have been able to host visits from these figures from time to time. Details of some of these visits follow.

Professor Hugh Barton

Professor Hugh Barton (Professor of Planning, Health and Sustainability and Director for Healthy Urban Environments, WHO Collaborating Centre for Healthy Cities and Urban Policy at the University of the West of England) visited Australia in 2011 to attend the World Planning Schools Congress. The HBEP organised and funded his travel to Sydney following the Congress so he could participate in two workforce seminars and a tour of healthy built environments around Sydney.

Dr Rodney Tolley Walkability in Commercial Precincts Walkshop

In November 2011, the HBEP joined with the Heart Foundation to host a visit by Dr Rodney Tolley – Director of Walk 21 and an internationally respected walkability expert. The highlight of the visit was a ‘Walkability in Commercial Precincts Walkshop’ held at UNSW. This was a joint initiative of the Heart Foundation, PCAL and the HBEP.

Professor Andrew Dannenberg

In 2012, the HBEP collaborated with the University of Canberra on a successful application to the Fulbright Commission to host Professor Andrew Dannenberg in Australia for a four week period under their Senior Specialist Program. Professor Dannenberg is an Affiliate Professor of environmental health and of urban design and planning at the University of Washington in Seattle. He also serves as a consultant to, and was formerly Team Lead of, the Healthy Community Design Initiative in the National Center for Environmental Health at the U.S. Centers for Disease Control and Prevention in Atlanta. Professor Dannenberg undertook his visit to Australia in November-December 2013, spending the first two weeks in Canberra to deliver an intensive short course ‘Making Healthy Places’. He then travelled to Sydney to spend time with the HBEP and colleagues. He presented a public lecture in the Sydney CBD organised by the HBEP and co-sponsored by the Heart Foundation and the Henry Halloran Trust at the University of Sydney. Professor Dannenberg presented at an all-day curriculum development forum where academics from across Australia gathered at the invitation of the HBEP to discuss how to further healthy built environments education across the nation. Professor Dannenberg also had meetings with colleagues from the University of Sydney, UNSW and the South Western Sydney Local Health District. His final events in Sydney with the HBEP were a Faculty public lecture on researching healthy built environments and a half day roundtable with key healthy built environments stakeholders. At this forum participants discussed ideas for the activation of the health objectives in the new planning legislation. The visit of Professor Dannenberg was organised and part-funded by the HBEP. This is the second visit Professor Dannenberg has made to the HBEP. In 2012, he spent time with the HBEP, presenting a public lecture and taking part in the Australian National Preventative Health Association Roundtable. Professor Dannenberg’s visits to Australia have brought further international expertise to the healthy planning agenda in NSW at a time when health is increasingly recognised as an urban planning concern.

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**International Conferences and Visits**

The Director of the HBEP has had the opportunity to undertake three international visits since the Program's inception.

In September 2014, Susan travelled to Suzhou City in China at the invitation of Planning Firm SCP to lead a two day education seminar on healthy cities for 35 planning practitioners. In October, Susan was invited, along with other international speakers, to present at a forum run by the United Nations University in Malaysia. She talked about the Healthy Built Environments Program as an exemplar of health and planning working together.

In 2013, Susan attended the Joint European (AESOP) and American (ACSP) Planning Schools Congress in Dublin, Ireland. HBEP's contribution to the Congress was a paper co-authored with Ministry of Health staff entitled 'Planning and Health: Forging New Alliances in Building Healthy and Resilient Cities'. This was also a chance for Susan to meet with co-authors on the soon to be released book entitled 'Planning for health and well-being: shaping a sustainable and healthy future'.

In May 2012, Susan travelled to the United States visiting Portland, Oregon and Seattle, Washington. Portland is renowned for healthy planning and the visit enabled meetings with University of Washington Dean, Professor Howard Frumkin, and colleague Professor Andrew Dannenberg. Potential links between the HBEP and their work in the USA were discussed. Susan used this trip to present the work of the HBEP at the International Making Cities Livable Conference entitled 'True Urbanism: Planning Healthy Communities for All'. She was also invited to present to the widely well-regarded Healthy Places Research Group at the University of Washington, Seattle.

**Further documentation:** Joint European and American Planning Schools Congress HBEP Paper: [www.be.unsw.edu.au/sites/default/files/upload/pdf/cf/hbep/publications/attachments/Planning\\_and\\_Health\\_Forging\\_New\\_Alliances\\_in\\_Building\\_Healthy\\_and\\_Resilient\\_Cities.pdf](http://www.be.unsw.edu.au/sites/default/files/upload/pdf/cf/hbep/publications/attachments/Planning_and_Health_Forging_New_Alliances_in_Building_Healthy_and_Resilient_Cities.pdf)



**The HBEP team regularly host forums and events to bring stakeholders together and showcase research and capacity building work.**

The HBEP team regularly host forums and events to bring stakeholders together and showcase research and capacity building work. The HBEP is frequently invited to contribute to external workshops, roundtables and other gatherings relevant to the HBEP agenda. Key forums and events are detailed below.

**HBEP Forum – Be Informed and Inspired**

The first HBEP Annual Forum was held in May 2011 at UNSW. Entitled 'Be Informed and Inspired', the forum was principally for the NSW Health workforce, although people from other organisations with an interest in healthy built environments attended. The speakers presented case studies on significant metro and regional initiatives in HBEs. All presentations were audio recorded, and together with the PowerPoint slides, these recordings have been placed on the HBEP website, particularly for those in rural and remote areas.

**Further documentation:** HBEP 2011 Forum Presentations: [www.be.unsw.edu.au/programs/healthy-built-environments-program/online-education-resources](http://www.be.unsw.edu.au/programs/healthy-built-environments-program/online-education-resources)

**Strategic Think Tank with HBEP Partners and Friends**

The HBEP's Advisory Board members, Consortium Partners and 'friends' attended a Strategic Think Tank at the conclusion of 2011 at UNSW. Attendees participated in a series of brainstorming activities with a focus on future research, education and outreach opportunities. All participants contributed to each of the focus issues, resulting in a rich variety of ideas for future HBEP deliberation and action.

**Further documentation:** Report of the HBEP Strategic Think Tank: [www.be.unsw.edu.au/sites/default/files/upload/research/centres/cf/researchprograms/healthy\\_built\\_environments\\_program/research/Strategic\\_ThinkTankReport\\_Feb2012.pdf](http://www.be.unsw.edu.au/sites/default/files/upload/research/centres/cf/researchprograms/healthy_built_environments_program/research/Strategic_ThinkTankReport_Feb2012.pdf)

**Kiama Healthy Foods Forum**

In 2012, the HBEP collaborated with Kiama Council to host a 'Healthy Foods for Communities: Building Local Partnerships' forum in Kiama. The forum focused on how local councils can work with health agencies and members of the community to enhance access to healthy food. Speakers from the local area presented research, case studies and healthy food initiatives. Presentations and a report on the forum are on the HBEP website and form part of our e-learning resources on access to healthy food.

**Further documentation:** HBEP 2012 Forum 'Healthy Foods for Communities: Building Local Partnerships': [www.be.unsw.edu.au/programs/healthy-built-environments-program/online-education-resources/access-to-healthy-food](http://www.be.unsw.edu.au/programs/healthy-built-environments-program/online-education-resources/access-to-healthy-food)

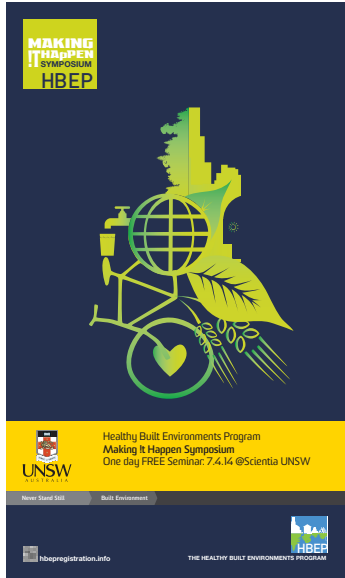


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**Health and Density Forum**

In 2012, the HBEP collaborated with the Heart Foundation of Australia and PCAL on a Health and Density Forum. The organising team engaged Dr Danny Wiggins (HBEP Consortium Partner) to facilitate this important capacity building event on a critical topic for healthy built environments. Professor Billie Giles-Corti (HBEP Advisory Board member) delivered the keynote address, providing an overview of her review of health and density undertaken for the Heart Foundation.

**Further documentation:** Health and Density Forum Report: [www.be.unsw.edu.au/sites/default/files/upload/pdf/cf/hbep/education/Density\\_Health\\_Workshop\\_Report\\_NSW\\_FINAL.pdf.pdf](http://www.be.unsw.edu.au/sites/default/files/upload/pdf/cf/hbep/education/Density_Health_Workshop_Report_NSW_FINAL.pdf.pdf)



**Making It Happen Forum**

In April 2014, the HBEP held a one day forum at UNSW entitled ‘Making It Happen’. The date was also World Health Day which is celebrated across the globe and aims to generate lasting actions for improving universal health. A healthy built environment is one of those lasting actions and it was the aim of the Symposium to explore different ideas about activating healthy built environments. The Symposium was organised in three parts. Keynote speakers presented their ideas to enact real change to create environments supportive of human health. The second session of the day involved everyone working together to envision a future where environments support human and environmental health. The day concluded with an afternoon field trip to Victoria Park, one of the case study sites for the ARC Linkage research project, and the suburbs of Lewisham/Summer Hill (located in the inner west of Sydney). Evaluations of the Symposium were overwhelmingly positive with many attendees finding the proceedings inspiring, informative, well organised and affirming. One participant commented that it was a great experience to be with so many who care about making better places.

**Further documentation:** Making It Happen Symposium key notes and vision booklet:

<http://www.be.unsw.edu.au/healthy-built-environments-program/education>

**The HBEP regularly participates in Faculty exhibitions.**

**Faculty Exhibitions**

The HBEP regularly participates in Faculty exhibitions. HBEP sponsored the UNSW Planning Program’s end-of-year exhibition in 2010 and 2011. The HBEP also contributed four professionally designed poster presentations to the Faculty’s end-of-year extravaganza ‘Luminocity’ in November 2012. As well, postgraduate students exhibited posters on healthy built environment topics, alongside undergraduate planning thesis student posters. This event was staged over eight days at Walsh Bay, attracting over 7,000 visitors. In 2013 Luminocity was held in the Red Centre at UNSW and included student posters on healthy built environment topics. In 2014, student work from the courses ‘Healthy Planning’ and ‘Healthy Built Environments’ featured in the BEIL (Built Environment Interdisciplinary Learning) Exhibition and the Planning Program’s Exhibition entitled ‘Evidence in Place’.

**External Forum Attendance**

HBEP staff have participated in the following invitation-only external forums:

- Ministerial Planning Forum (February 2012)
- South Western Sydney and Sydney LHDs’ Health Promotion Strategic Plan Consultation Workshop (June 2012)
- Australian National Preventative Health Association Roundtable (June 2012)
- Urban Health Workshop and Roundtable (July 2012)
- The Heart Foundation of Australia’s Annual Solicitors’ Lunch (August 2012)
- Health and Climate Change Think Tank (August 2012)
- Cancer Council Shade Committee Representation (ongoing)
- Strategy Meeting: Liveable Communities Planning in Hunter New England Region (2011)
- NSW Health and Medical Research Strategic Review Roundtable (2011)
- Australian Academy of Sciences Workshop (2011)
- Nature Connection Forum (2011)
- Expert Group for the Australian Urban Research Infrastructure Network (2011)
- Health and Environmental Policy Workshop with the South Australian Departments of Environment and Natural Resources and Health (2011)
- Workshop: CSIRO Cluster on Urbanism, Climate Adaptation and Health (2011)
- Green Building Council of Australia Rating Tool Development Stakeholder Meeting (2011)
- AHURI Public Seminar on Housing and Loneliness (2011)
- Workshop on National Urban Policy Discussion Paper (2011)
- National Heart Foundation (NHF) Steering Committee for Developer tool (2010)
- Healthy Urban Development Checklist Steering Committee (2010)
- Roundtable for the ‘State of Australian Cities’ Report (2010)
- University of Sydney and Oxford Alliance for Health Prescription for a Healthy Planet Think Tank (2010)

### 3.06 LEADERSHIP AND ADVOCACY HBEP WEBSITE, NEWSLETTER AND PROMOTIONAL MATERIAL



#### Website

The HBEP website was established in 2010. The site provides an important and comprehensive resource for health and built environment professionals, researchers and students. It includes information on the HBEP consortium partners and Advisory Board, details of our research publications, reports and strategies, as well as e-learning resources on health and the built environment. This includes specific lectures and videos. The site also hosts the HBEP's fortnightly literature review updates, HBEP newsletters, various publications, including the 'New Planner' Healthy Built Environments column and links to related websites from around Australia and abroad.

**Further documentation:** HBEP website: [www.be.unsw.edu.au/programmes/healthy-built-environments-program/about](http://www.be.unsw.edu.au/programmes/healthy-built-environments-program/about)

#### Branding/Promotional Material

Branding the HBEP has been an important ingredient to its success. HBEP materials are designed to be visually appealing. For example, wherever possible we use images drawn from our extensive library of photos of healthy built environments. We have intentionally pursued this strategy as a way to develop understandings between disciplines, taking from the old adage that a 'picture tells a thousand words'. The HBEP logo was designed in 2010 by a professional graphic design firm - Lawton Design. It embodies the key messages of the Program. Other branding and promotional material includes a series of brochures, presentation and report templates, as well as our fact sheets and literature review. Over the years, these brochures have been distributed to students, workshop participants, seminar guests and at various conferences. For example, in 2012 the HBEP distributed over 1,000 'Healthy Built Environments: Healthy Places = Healthy People' brochures at the Population Health Congress.



#### Newsletter

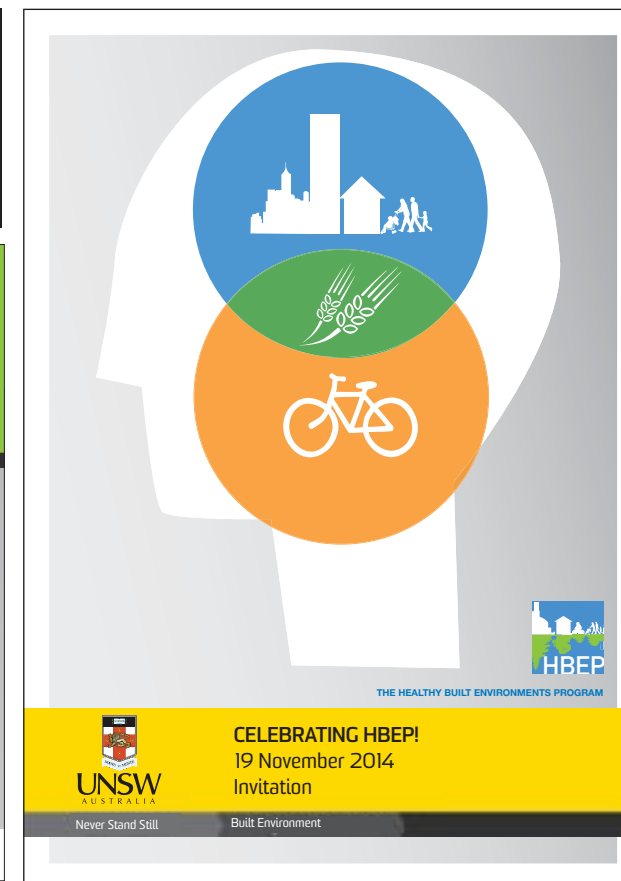
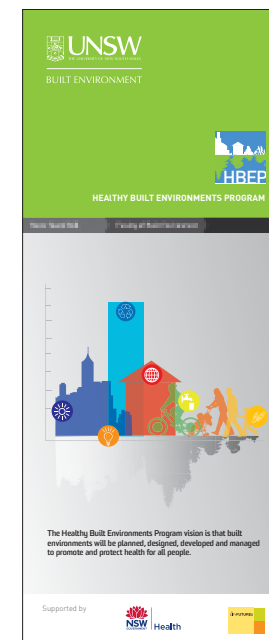
The HBEP Newsletter was launched in September 2010. It is distributed four times a year to a mailing list of over 300 healthy built environment stakeholders. This mailing list consists of former attendees of our lectures and workshops, as well as others who contact us via our website. The newsletter is used as a tool to feature our own work, as well as advertise upcoming events and emergent research.

**Further documentation:** HBEP Newsletter: [www.be.unsw.edu.au/programs/healthy-built-environments-program/newsletters](http://www.be.unsw.edu.au/programs/healthy-built-environments-program/newsletters)

### 3.07 LEADERSHIP AND ADVOCACY MEDIA CONTRIBUTIONS

HBEP staff are in the print and audio media. Over the life of the HBEP, staff have been interviewed for articles in the Sydney Morning Herald, Good Weekend, the Sun Herald, the Sustainable Business Section in the Guardian and The Conversation. Contributions have been made to a wide variety of newsletters. Interviews have been broadcast on ABC and community radio. UNSW TV has featured HBEP staff and its work in several videos.

**Further documentation:** HBEP in UNSW Videos: <http://www.be.unsw.edu.au/programs/healthy-built-environments-program/online-education-resources> (under 'Videos')





**ENVISIONING A HEALTHY BUILT ENVIRONMENT** – FROM THE HBEP ‘MAKING IT HAPPEN’ FORUM  
(ILLUSTRATIONS BY EMILY MITCHELL)













THE HEALTHY BUILT ENVIRONMENTS PROGRAM

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Faculty of Built Environment  
The University of New South Wales  
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