



ANNUAL REPORT

AUSTRALIAN CENTRE FOR INTERNATIONAL AND TROPICAL HEALTH

2013

Submitted to the Executive Dean, Faculty of Health Sciences

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In Memory

Staff, students , alumni, and colleagues of ACITH remember Dr Coeli Geefhuysen, teacher, mentor and champion of women's and children's health in the region.

We note her important contributions to global health and capacity development.

May she rest in peace.

Acronyms

AAMI	Australian Army Malaria Institute
ACITH	Australian Centre for International and Tropical Health
ADRA	Australian Development Research Awards
AIDS	Acquired Immunodeficiency Syndrome
APMEN	Asia Pacific Malaria Elimination Network
ARV	Antiretroviral Treatment
AusAID	Australian Agency for International Development
BoM	Board of Management
DoHA	Department of Health and Ageing
FNU	Fiji National University
GIS	Geographic information Systems
GPS	Geographic Positioning Systems
GSO	Government Statistical Office
HIS	Health Information Systems
HIV	Human Immunodeficiency Syndrome
IC	Investment Case
ICD	International Classification of Diseases
IHME	Institute for Health Metrics and Evaluation
IMRSSP	Indonesian Mortality Registration System Strengthening Project
JTA	Jane Thomason and Associates
MDG	Millennium Development Goals
MIPH	Masters of International Health
MIS	Malaria Information Systems
NCEPH	National Centre for Epidemiology and Population Health
NGO	Nongovernment Organisation
NIH	National Institutes of Health
NHMRC	National Health and Medical Research Council
NMPS	National Malaria Plans
PacMI	Pacific Malaria Initiative
PacMISC	Pacific Malaria Initiative Support Centre
IPHERP	Public Health Education and Research Programme
PMNCH	Partnership for Maternal, Newborn and Child Health
QIMR	Queensland Institute of Medical Research
SPC	Secretariat for the Pacific Community
SPH	School of Population Health
STPHI	Swiss Tropical and Public Health Institute
TB	Tuberculosis
UC-SF	University of California – San Francisco
UNICEF	United Nations Children’s Fund
UQ	University of Queensland
VA	Verbal Autopsy
VINE	Vietnam Evidence Base for Health Policy Project
WHO	World Health Organisation
WPRO	Western Pacific Regional Office (WHO)

Executive Summary

The year 2012 found the Centre consolidating its learning, discovery and engagement agendas in the core global health topics of the centre. The acceptance of MIPH courses into tropEd network courses, major global health policy research grant with EU and NHMRC funding, work in the Investment case work extended, the next phase of APMEN, and extension of PacMISC were indicators of this consolidation. Further work in One Health, new and revised courses, and further engagement in research and short course provision in Asia and the Pacific also represent this consolidation.

Within the **Learning Domain** the MIPH continues to improve the quality and currency of its offerings with new courses in Global Health Policy, Health resource Allocation (in association with Swiss Tropical Public Health Institute), One health – An Introduction, consolidate its postgraduate and research higher degree student load. Additionally the ACITH coordinates an undergraduate course on Global health and , new in 2012, co-coordinates the Global and community medicine course for the medical students.

Continued success in research publications and grants, as well as invitations to be on global and regional scientific committees and keynote addresses have been a strong feature of the **Discovery Domain** and are indicative of the increasing recognition of the centre.

In the **Engagement Domain** the Centre remains a major player in the national, regional and global public health and development arena. Implementation of major development projects for AusAID, BMGF, Asia Pacific Observatory through or with contributions from the ACITH form a major platform for the centre's contemporary training programmes, research and further growth of its engagement domain.

Foreword

INTRODUCTION

Strong health systems, strong government policy and legislative frameworks and universal coverage of populations of nations and regions are the aspirations of all involved in global health. However these three platforms for a healthy nation are constantly under threat by:

- Conflict, civil war and the resultant displaced populations
- Corruption, unstable and fragile governments, and “fiscal” cliffs
- Mobile populations – due to economic and employment reasons, conflict, seeking improved access to essential services.

There is a need to prepare the managers and leaders of the health systems of the region to be able to work in these environments, adapt their approaches to provision of health services to ensure equity of access to essential preventative and curative health services, based on the needs of the various sub-populations within their province or country. They need to be informed by an evidence based generated by the research community within the region and their own country, and need to be able to engage with networks, peers and technical advice to support them.

ACITH has developed during 2012 an increased research, teaching and engagement portfolio on mobility and health, and on providing health care in fragile environments, that contributes towards meeting these needs.

The ACITH strategic direction is:

- To work in interdisciplinary partnership to respond to local, national and international public health priorities, seeking solutions through needs for innovation (discovery through promotion and testing of hypotheses), validation (evidence providing what works) and application (strengthening individual and public health actions, systems and policies).
- ACITH should generate new evidence, validate it in different health system settings and directly translate evidence into policy and public health action by combining excellence in science and training of an academic institution with the standards of corporate organizations in consulting, backstopping and contract research organization. Particular emphasis should be placed on:
 - Developing further the existing large network of national and international collaboration;
 - Long-term associations;
 - Strategic alliances and long-term partnerships established with partners in the focal areas of activities, i.e. Australia, the Pacific, SE-Asia and Africa.

BACKGROUND

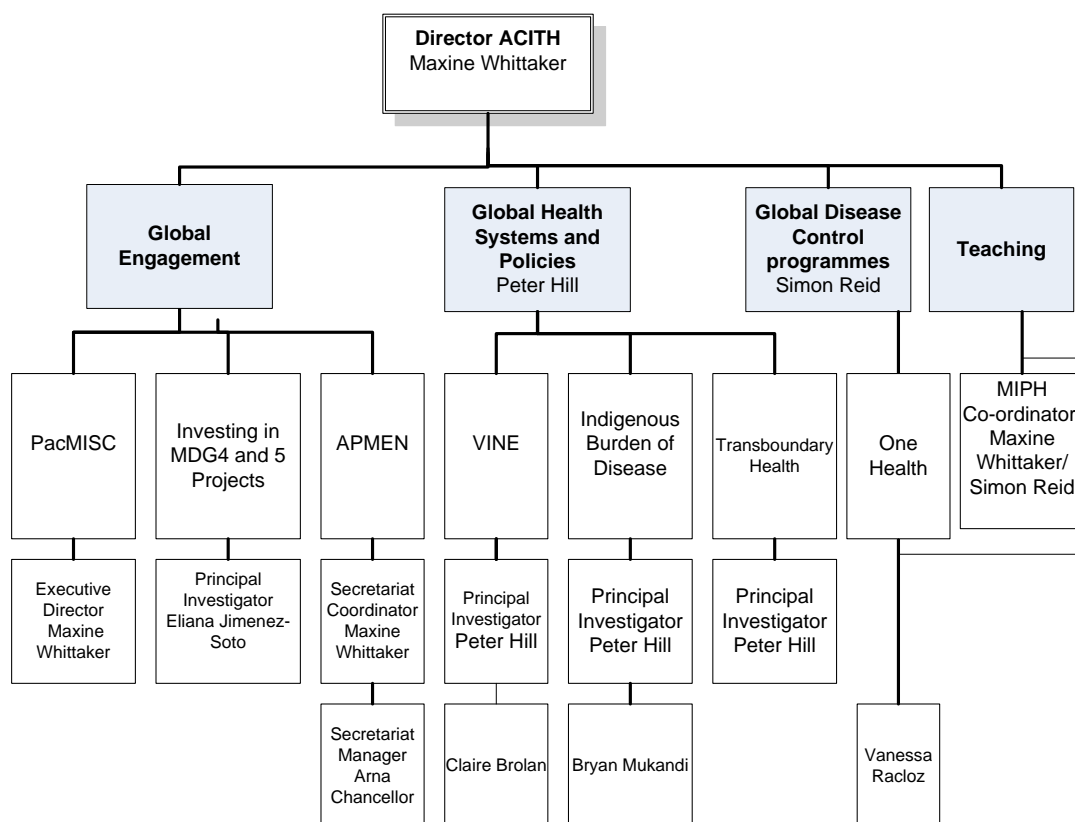
The Australian Centre for International and Tropical Health (ACITH) is a University of Queensland Faculty of Health Sciences Centre, established in 1995. Developed as a teaching and research collaboration between The University of Queensland and the Queensland Institute of Medical Research (QIMR) the Centre has grown in size, scope and content from the original programme supported through foundation funding (commenced in 1995, concluded in 2010) of the Commonwealth Government under the Public Health Education and Research Programme (PHERP). ACITH combines the resources and expertise of Global, Tropical and International Health within the School of Population Health, Faculty of Health Sciences, University of Queensland. In 2011 the Centre became of School of Population health centre, which provides ACITH a broader range of academic expertise to meet the challenges of teaching international and global health in low and

middle income settings in a changing and inequitable world as well as access to strong administrative and management support.

ACITH aims to improve the health of populations in Australia and internationally through excellence in education, research and service including high level representation on major international and tropical health committees, editorial panels and review bodies. ACITH is now an internationally recognised centre in global, international and tropical health with several major research and development grants and speciality units. The Centre also supports postgraduate coursework and research training in international global and tropical health. Developed as Australia's designated centre for international and tropical health and nutrition under the PHERP funding, ACITH continues to provide a focus for higher education, new research endeavours and consultancies nationwide and includes a critical mass of scientists from a wide range of disciplines and professions. Growth has continued in applications for, and enrolments in these training programmes, especially since the launch of the Graduate Certificate, Graduate Diploma and Masters in International Public Health in semester 2, 2006. In recent years ACITH has grown its resourcing base, through competitive research grants and consultancy activities, which include major centres in malaria, health information systems, health metrics and health policy and planning. This growth and continued competitive advantage in global health contracts and research grants in its related fields, has assist ACITH to sustain its regional prominence.

The Centre in 2012 included 4 programme units (Global Engagement, Global Health Systems and Policies, Global Disease Control Programmes and Teaching) and the coordination of the Masters of International Public Health (Figure 1)(Annex 1: Staff List).

Figure 1. ACITH Organisational Chart 2012



OVERVIEW

The mission of ACITH is to *improve the health of populations in Australia and internationally through excellence in education, research and service*. ACITH seeks to:

- provide first-class coursework and research degree courses in tropical public health for Australian students, students from tropical developing countries and other students with a strong interest in these areas
- develop superior facilities for research and research training, to support international and Australian public health programs and the transfer of knowledge and technology to tropical developing countries, and to make special provision for the training of Aboriginal and Torres Strait Islander students
- maintain and further develop strong collaborative links with an extensive number of national and international institutions.

The Director with the Head of School and other SPH academic and administrative staff are working continually to enhance the role and reputation of the Centre in global health development activities through close collaboration with global and regional health development bodies, such as AusAID, SPC, WHO and the Development Banks and Global Health initiatives; global research and educational bodies such as SEAMEO-TropMed, tropEd . (Figure 2; Annex 2)

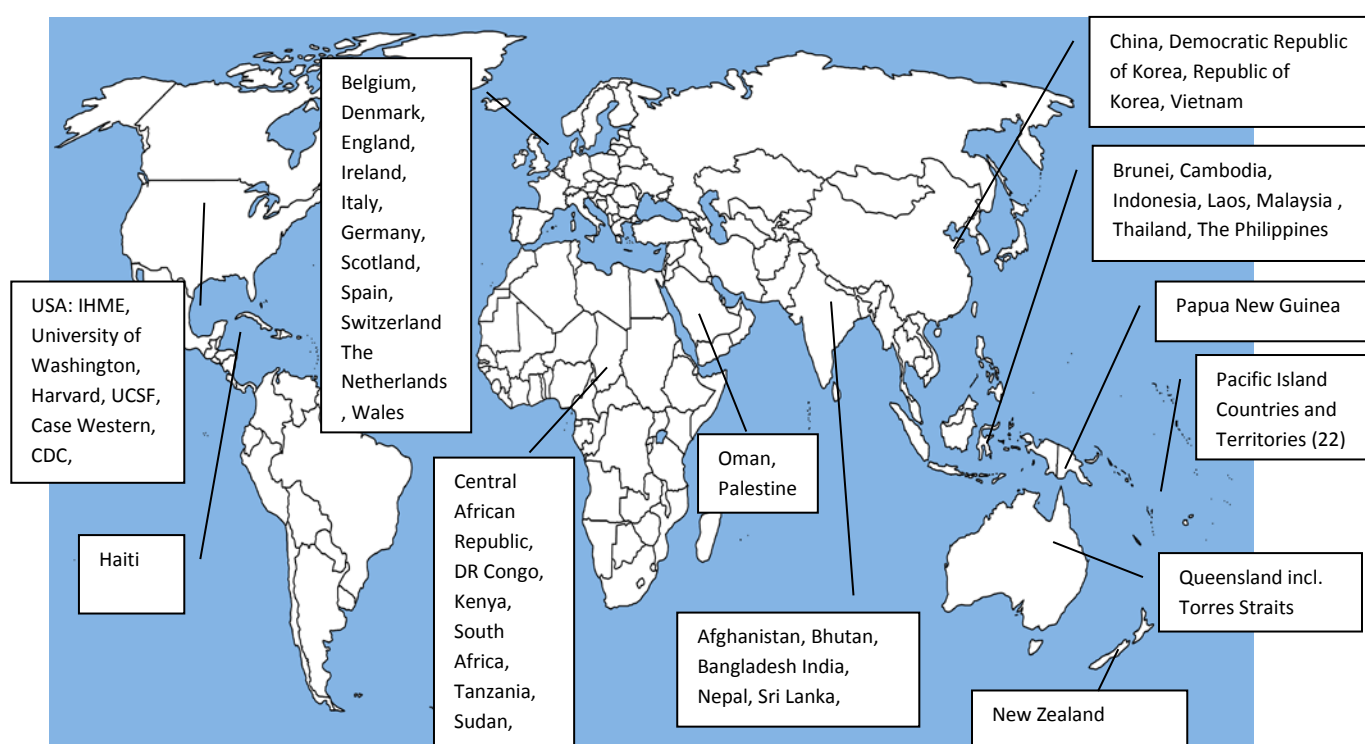


Figure 2: Countries of ACITH involvement in research, engagement, collaborations and training

Activities and Achievements

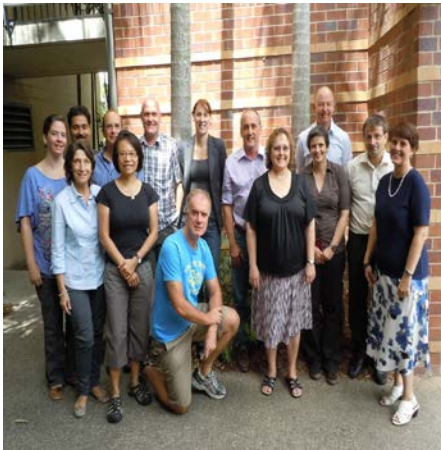
The Centre continues to perform in all three domains of **Discovery, Learning and Engagement**. These achievements are described in detail in the following sections. In addition, staff of the Centre were engaged in reviewing for a range of institutions the following: international peer reviewed journals, research grant panels, theses from several national and international universities; and invited on expert panels and scientific committees of national government and international organisations. Several international visitors have been hosted by the ACITH, and staff of ACITH have been invited to events at various international and national universities and research groups.

On Australia Day (26th January) the School of Population Health, was approved as new tropEd collaborating institution in the tropEd General Assembly meeting in Antwerp, January 2012. The inclusion of 4 courses offered by ACITH at the School of Population Health into the tropEd network of courses (<http://www.troped.org/>) provides both international recognition of the quality of our courses, as well as increased access and mobility for our and other global public health students.



TropEd meetings: Antwerp when SPH was admitted to the network and Uppsala where ACITH courses were approved for inclusion

LEARNING



January 2012 Short Courses; One Health and Health Resource Allocation Model

The Centre coordinates the Graduate Certificate, Graduate Diploma and Master of International Public Health, as well as providing inputs in the School of Population Health and Faculty of Health Sciences' undergraduate and postgraduate programmes, including the medical degree, in health services management, health economics, global health and infectious diseases. A popular, growing and potential for further growth area is the continuing professional development courses. Provided as an intensive mode for enrolled students, these continue to attract a large number of external participants, funded through a range of modes including self funding, employer supported and development agency. The short course on Health Aspects of Disasters was provided to Australian and international participants this year with a broader participants by military staff from Pakistan, Vietnam, and the Philippines armed forces health and disaster response teams. Two new courses were offer in January 2012 for Summer Semester offering – Introduction to One Health and joint offering of the Swiss Tropical Public Health Institute's course – Health Resource Allocation Model – as a directed studies unit in the Summer Semester.

Research higher degree training is also actively supported through the Centre – with students increasingly attracted to the specialised fields of infectious diseases, global health, health systems and policies and applied medical anthropology.

Courses (2012)

Global health and Infectious Disease (PUBH2010)(Internal)(Undergraduate)

Course Coordinator: **Maxine Whittaker**

This course, a new offering in the Bachelor of Health Sciences in 2011, responds to a student demand for more global health and infectious disease content in the undergraduate offerings. The course gives a broad introduction to major global health problems with an emphasis on infectious disease in resource poor countries. Issues addressed include the causes and control of: malaria, TB, HIV, malnutrition, acute respiratory infection, diarrhoeal disease, vaccine preventable disease, water and sanitation and other environmental related health problems, cardiovascular disease, diabetes and other child and maternal health issues. The course will also explore major international health policy and program developments, particularly the Millennium Development Goals, and the translation of those policies into practice.

Health Financing (PUBH7014) (Internal) (Graduate)

Course coordinator: **Kim-Huong, Nguyen**

This course provides a critical analysis of different models of financing health systems from a policymaking perspective. They include State-funded, social insurance, voluntary health insurance and community-based insurance models. Revenue collection and purchasing methods are also examined in detail with a view of discussing their implications for policymaking and health systems management. Particular attention is devoted to efficiency and equity issues. The course emphasizes those aspects of health financing that are highly relevant for policymakers in developed and developing countries.

One Health: An Introduction(PUBH7031). Directed study. 9-13th January 2012

Course Coordinator: **Vanessa Racloz/Maxine Whittaker**

This course, offered for the first time in January 2012, introduces participants to the principles of the one health paradigm and the application of these principles to determine the key epidemiological features of common zoonotic diseases (including the epidemiology and transmission of pathogens and their social, economic and environmental impacts). It assists participants to identify the roles, responsibilities and needs of key stakeholders in addressing one health problems for example, Government ministry's of health and agriculture, WHO, FAO, OIE, The World Bank and affected communities. During the course the participants apply the principles of risk assessment to identify, quantify and manage risks in complex community systems.

Managing Global Disease Priorities (PUBH7099) (Internal and External) (Postgraduate) (Now accredited as a tropEd course)

Course coordinators: Semester 1- **Rushika Wijesinghe** Semester 2 - **Simon Reid**

The course provides a broad introduction to global health systems and the way in which global disease control priorities are managed in development settings. It focusses on the key global health priorities identified through the Global Burden of Disease and the Millennium Development Goals (MDGs), in particular AIDS, TB and Malaria. It examines the global health initiatives and programs developed to deal with these and focuses on the health system capacity needed to support and scale up interventions to address the MDGs 4,5,6 in particular.

Communicable Disease Management & Control (PUBH 7101)(Internal) (Postgraduate)

Course Coordinator: **Dr Rushika Wijesinghe**

This course, new in 2011, covers the management and control of communicable diseases affecting human populations. Management would include disease management as well as surveillance and outbreak / epidemic control in the domestic and international settings. The diseases will be discussed primarily grouped together according to their common modes of transmission. Only a few selected diseases would be discussed in detail. The global distribution, disease burden, epidemiology, life cycle, clinical manifestations, treatment, prevention, control and surveillance of selected communicable diseases will be described. For diseases that have vectors or intermediary hosts, factors affecting disease transmission, vector ecology and environmental control options will also be discussed.

Sexual, Reproductive & Child Health: A Global Health Perspective (PUBH 7106) (Internal and External) (Postgraduate)

Course Coordinator: **Maxine Whittaker**

This course aims to enable students to develop a broad knowledge of sexual, reproductive and child health issues as they relate to global health settings. Through fixed resource sessions, interactive class activities, use of video and published materials, the participants develop working knowledge of the major sexual, reproductive and child health problems in low and middle income country contexts. They participate in discussing the global, national and local factors that impact on the sexual and reproductive health of men and women and the health of children. Their tutorials, reports and presentations assist in supporting participants to identify key programs, interventions and strategies currently in place to improve maternal health, child health, other reproductive health concerns for men and women and sexual health.

Project Planning for International Health (PUBH 7108) (Internal) (Postgraduate)

Course Coordinator: **A/Prof Peter Hill**

This course acquaints participants with the planning processes of major international and donor agencies, and provides sufficient knowledge and skills to collaborate in the identification of and design of aid projects. Project design and write-up, including the use of logframe planning matrices will be modelled, with an emphasis on interdisciplinary team work.

Health & Development (PUBH 7113) (Internal and External) (Postgraduate)

Course Coordinator: **Ms Jo Durham**

This course reviews the socio/politico/economic underpinnings of development practice and its implications for the application of health programs. The course aims to provide students with an understanding of the variety of conceptions of health and development, including how they are measured; fundamentals of the demographic, epidemiological, and nutritional transitions and the bi-

directional interactions between health and economic development. It also looks at the social, economic and cultural components of development and their specific interactions with disease and fertility in various ecological settings; conceptions of socio-economic status and poverty; determinants of health and disease and health improvement in the international context. In the economic development and health components the students are introduced to economic principles that are necessary to understand the relationship between health and development. A framework for studying the determinants and consequences of health was introduced and the bi-directional link between health and economic development was emphasised. Attention was given to both macro and micro perspectives

Health Aspects of Disasters (PUBH 7117) (Internal/Short course) (Postgraduate)(Now accredited as a tropEd course)

Course coordinator: **Ms Jo Durham**

This course covers the common types of disasters and effects on health, nutrition and mortality; public health and medical responses; infectious disease and nutritional emergencies; refugee camps; co-ordination of donor and aid agencies; disaster preparedness and minimization of health hazards. During the course, participants analyse the different perspectives, legal frameworks and guidelines and their implications for disaster management and the diverse types of disasters, their effects on population health and the response in the different phases of a disaster in different disaster settings. The course supports participants to critically evaluate the type and sources of information in order to establish early warning systems, plan and evaluate the disaster response in different settings, and to identify, categorise and differentiate key stakeholders in disasters and their roles in the different types of disasters and in the different stages of a disaster. Case studies, group work and written assignments support participants to critically apply the principles of disaster management to a specific disaster identifying how the type of disaster and the social, political, and economic context influence the different stages of preparedness, disaster response and recovery and propose recommendations. This course annually attracts participants from the Armed Forces Disasters response health teams in Australia, Pakistan, Philippines and Indonesia, and in 2012 also participants from Papua New Guinea, Vietnam and New Zealand.



Health Aspects of Disasters Short Course 2012

Global Health Policy (PUBH 7645) (Internal) (Postgraduate))(Now accredited as a tropEd course)

Course Coordinator: **A/Prof Peter Hill**

Global Health Policy identifies key stakeholders in international health and their roles, including WHO, World Bank, key NGO's and bilateral agencies and Global Public Private Partnerships. It explores major global health policy and program developments, and the translation of those policies into practice. It also examines the changing aid environment, and responses in global health governance to these changes. In 2011, this was offered through an intensive mode and then activities spread throughout the semester.

Other contributions to undergraduate/postgraduate and MBBS and other UQ/other institutional teaching

A new course was developed for the MBBS 2nd year programme on Global health and medicine. Developed by the School of Population Health and School of Medicine, with close collaboration with the MDG Coordinator and the student body, this course

The short course entitled "Introduction to Health information Systems was provide to more than 20 international participants.

Enrolments and Graduations 2012

Research Students 2012

Continuing Enrolments		Graduations	
MPhil	1	MPhil	0
PhD	13	PhD	1
Total	14	Total	1

Graduate	Thesis Topic	ACITH Principal Supervisor (Associate supervisor/s)
Airin Roshita	Maternal employment and child's weight for age: A study of an Indonesian urban middle class community	(Maxine Whittaker)
Candidate	Thesis Topic	ACITH Principal Supervisor (Associate supervisor/s)
Anar Ulikpan	To SWAp (Sector-wide Approach) or not to SWAp	Peter Hill (Eliana Jimenez Soto)
Anna Tynan	Capacity analysis of the Papua New Guinea Health System for potential scale up of a circumcision program: implications for policy development	Peter Hill (Maxine Whittaker)
Asmat Malik	Decentralization In Pakistan: Performance Of Health Sector	Peter Hill (Eliana Jimenez Soto) Awarded 7.1.2013

Bridget Appleyard	Malaria in pregnancy in Solomon Islands	(Maxine Whittaker)
Chi Hoang Khanh	Health insurance in Vietnam: Policy making process - key determinants and its influence	Peter Hill (Eliana Jimenez Soto)
Craig Davis	Improving the epidemiological surveillance of Human Immunodeficiency Virus (HIV)/Acquired Immune Deficiency Syndrome (AIDS) in Queensland	Simon Reid
Dawn Dulhunty	The perception humanitarian aid practitioners place on higher education as it relates to their professional development and practice	Peter Hill (Withdrawn 9.7.2012)
Frances Birrell	Improving the Efficiency of Influenza Surveillance in Queensland	Simon Reid (Maxine Whittaker)
Gerard Kelly	A spatial decision support system for malaria elimination	(Rushika Wijesinghe - up to 3.7.12)
Ha Vu Song	Understanding sexual and reproductive health of teenagers and young adults with autism in Hanoi, Vietnam	(Maxine Whittaker)
Litiana Kuridrani	Indigenous Fijian women's cultural perceptions and response to HIV and AIDS: Implications for strategies of prevention and control	Maxine Whittaker
Madeleine Salton	One health and Millennium Development Goal 5 (MDG 5) : An exploration of the role of common zoonotic infections on material health in resource limited settings	Maxine Whittaker
Madeline Lemeki	Evaluation of HIV intervention projects in Oro Province, Papua New Guinea: Barriers and facilitators to achieving results of behaviour change	Maxine Whittaker
Susan Vlack	Promoting identification and immunisation of Aboriginal and Torres Strait Islander people in the urban General Practice setting	(Maxine Whittaker)

Coursework Students – New Enrolments 2012

Program	Number of Students
Grad Cert International Public Health	7
Grad Dip International Public Health	1
Master International Public Health (#24)	49
Master International Public Health (#16)	5
Total	62

Coursework Students – Continuing Enrolments 2012

<i>Program</i>	<i>Number of Students</i>
Grad Cert International Public Health	5
Grad Dip International Public Health	3
Master International Public Health (#24)	79
Master International Public Health (#16)	15
Total	102

Coursework Students - Graduations 2012

<i>Award Program</i>	<i>Number of Students</i>
Grad Cert International Public Health	6
Grad Dip International Public Health	3
Master International Public Health (#24)	36
Master International Public Health (#16)	13
Total	58

Coursework Students – Total Enrolments 2012 – International Students, External Students – Full Time and Part Time Students

<i>Program</i>	<i>Number of International Students</i>	<i>Number of Full Time external Students</i>	<i>Number of Part Time Students</i>
Grad Cert International Public Health	--	--	12
Grad Dip International Public Health	--	1	2
Master International Public Health (#24)	39	6	38
Master International Public Health (#16)	7	2	12
Total	46	9	64

In 2012 there were 2 students enrolled in MIPH #24 who have identified themselves as Aboriginal & Torres Strait Islander. One is enrolled part time and the other full time.

GARRY QUAYLE MEMORIAL PRIZE FOR EXCELLENCE IN STUDENT RESEARCH

This award was established in 1993 in memory of Garry Quayle, an AusAID Officer in the Australian Embassy in Beijing until his death in 1992, and maintained by the income from an initial gift of \$2,994 and subsequent donations made by his family and friends.

The award is made to a graduates from the Master of Public Health (#24 program) and Master of International Public Health (#24 program) students.

To the best MPH/MIPH dissertation in 2011; or publication based on a dissertation in the previous three years (2009 – 2011), that is considered by the committee to have the greatest potential for implementation into policy or practice in a country or internationally.

The recommendations for the award is made to the University by the Head, School of Population Health (the Head) on the recommendation of a committee comprising:

- i) Director, Australian Centre for International and Tropical Health (ACITH); and
- (ii) a development practitioner as nominated by the Head; and
- (iii) a senior ACITH academic currently teaching in a related field other than those covered by the remaining committee members.

The award is books in the field of Public Health.

The 2012 panel were unanimous in recommending the team thesis of Dr Matthew O'Sullivan, Mr Geoffrey Kenilorea and Ms Yuka Yamaguchi entitled "**Malaria elimination on Santa Isabel, Solomon islands: Addressing the Feasibility of Surveillance Programme to prevent introduction of malaria from other islands**". The team agreed that this work and the 2 papers which have resulted from this work have greatest potential for implementation, as it is noted in the 1st paper that the Santa Isabel provincial government requested and has used this research for its policy development. The panel also noted that this paper is one of the few and one of the first internationally in the malaria elimination field that has taken both a community focussed approach to surveillance as well as focusing on sub-national elimination and border protection, and as such is a highly accessed article in the Malaria Journal. The panel highly commended: Mr Taleb Alkhajah and Nguyen Cong Luat – 2 thesis from 2011.

DISCOVERY



Clinic data collection in Indonesia

Health Information Systems for Neglected Tropical Diseases



The strategy for the Centre's research focus is to maximise our influence on the global health development agenda for example through:

- Knowledge creation:
- Translation of evidence into policy and public health action
- Capacity development
- A focus on emerging issues
- Evaluation research

Examples of the work include: the knowledge created under the HIS Knowledge Hub; research on assisting countries develop their advocacy and negotiation skills as well as a strong evidence base to ensure that their needs are reflected in development programmes and agendas; translating research into policy and practice – beyond the bench to bedside – into the community and health programmes; and critically appraising what prevents the translation of programmes and research and resource allocation activities into results such as in the work on the MDG 4 and 5 global assessments and the critical analysis of aid effectiveness and global health initiatives.

The collaborative arrangements between the PNG Institute of Medical Research and University of Queensland, as well as with the Fiji National University defined through formal Memoranda of Understanding continued to operate.

At the PNG Institute of Medical Research, 4 ACITH postdoctoral fellows are located – three undertaking applied research work in monitoring and evaluation of the national malaria control programme – including effectiveness of control strategies, community participation, impact of the programmes and operational research, and one working in exploring improvements in the verbal autopsy techniques. In Fiji capacity development activities and research is underway in various aspects of health information systems. ACITH also had a full time staff member based in Vietnam under the VINE project who in addition to his work on VINE was been engaged in an active research programme related to HIV and sexual health.

A continued focus on quality research was maintained and encouraged throughout 2011. A continuing challenge for international health research is sources of funding especially for the social science and health policy and management research fields. Strategic leveraging from existing contracts such as PacMISC and VINE for this research and further research grant applications was a stronger focus of the strategy for research funding in 2011.

Staff in the Centre applied for/were members of interdisciplinary research teams applying for NHMRC, ARC and ADRA funding in the 2011 period – which resulted in a number of research grants (Annex 5). Increasingly the health services research, applied anthropological and policy research and translation of research into policy and practice capacities within the ACITH are being included into SPH research teams. Additionally the social, political, health sector and cultural context knowledge, experience and networks of the Centre staff in the Asia, Pacific and African region is called upon to support and develop research proposals by the SPH.

Annex 4 highlights the 2011 new and continuing grants run through the ACITH or in which ACITH staff are engaged. Annex 5 highlights the publications and other research activities achieved by the staff of the Centre.

Uptake of Evidence to Policy: the Indigenous Burden of Disease Case Study

The Uptake of evidence to policy: the Indigenous Burden of Disease case study is a 3 year, NHMRC funded project that aims to explore the ways in which research evidence that has been specifically developed for policy, influences policy processes and outcomes. The chief investigators are Associate Professor Peter Hill, Professor Cindy Shannon and Professor Philip Davies of the University of Queensland, and Professor Anthony Zwi from the University of New South Wales.

The first round of interviews of those engaged in the commissioning, implementation, critique and policy translation of the 2007 Indigenous Burden of Disease (BOD) study, conducted within the University of Queensland's School of Population Health, has been completed, and thematic analysis has commenced. Early analysis shows distinct differences between actors with a technical perspective, who focus on the methodology and data quality issues underpinning the BOD estimates, those responsible for analysis of the findings for policy and policy makers themselves, for whom the technical issues are not primary.

Health Systems in Severely Disrupted Environments Peter Hill

Peter Hill, Markus Michael and Mark Beesley presented the findings of the Health Services in Severely Disrupted Environments research at a workshop for 130 international participants coordinated by the Danish Ministry of Foreign Affairs and the University of Copenhagen from 20-21 February 2013. Six countries, each displaying different manifestations of state absence or failure, have been studied: Afghanistan, Central African Republic, DR Congo, Haiti, Palestine, and Somalia, with three case studies presented at the conference. The distinctive focus of the research is the analysis of health service activity beyond the reach of the state. Rather than an empty vacuum, there is evidence of vigorous activity by a range of providers, of varying quality and coverage. Public Health services, such as immunization and disease control tend to be neglected, but diverse and innovative sources of curative care were identified. While the Danish Minister of Development Cooperation, Christian Friis Bach, who opened the workshop, reiterated Danish commitment to these states through the 'New Deal' the findings of our research complements this approach by seeking to explore whether governance may be built from the "ground-up" in such diverse and unstructured environments.

In a related area of study, Jo Durham, Maxine Whittaker, Enrico Pavignani and Peter Hill have been negotiating with the Patan Academy of Health Sciences, in Nepal to develop a proposal for the ReBuild consortium, examining the resilience of maternal and child health services through the period of civil conflict in Nepal, using Makwanpur District as a case study.

Go4Health--Formulating New Goals for Global Health

Having worked with the Institute for Tropical Medicine in Antwerp on their previous European Union funded research project examining the Global Health Initiatives, Peter Hill was included as a Chief Investigator in their most recent successful FP7 application: *Formulating new Goals for Global Health, and proposing new Governance for Global Health that will allow the achievement of these goals*. NH&MRC funding for the University of Queensland's participation in the research has been secured, with Claire Brolan, a lawyer and international relations specialist, named in the research application. The first meeting of the thirteen partners to the research was held in September in Entebbe, Uganda. The UQ component of the research focuses on the perspectives of the multilateral organizations in the development of new goals to succeed the Millennium Development Goals in 2015, though the team has also taken on additional research tasks to examine how marginalized groups in Australia and Pacific frame what they would want to see as services provided under Universal Health Coverage.

VINE project

The VINE Project has fulfilled the short term and medium term outcomes of the Logic Model brokered with Atlantic. We have met all milestones negotiated with Atlantic Philanthropies at the

project's outset. The VINE Project has developed an evidence base for health policy in Viet Nam, as well as progressed discussion within various departments in the Vietnamese government around solidifying the evidence into policy discourse.

Importantly, the data and work produced by the VINE Project will inform decision making (whether that be by the Vietnamese Government, other national and international agencies, donors, academics, lobbyists and advocates etc) on resource allocation in Viet Nam by providing information on burden of disease and the cost effectiveness of key interventions addressing major diseases and underlying risk factors for disease. The VINE Project has much enhanced the Vietnamese Government's knowledge on the country's existing vital registration system, the quality of data it is able to provide, and methods for improvement into the future. The VINE Project also produced, at the end of 2012, a total of 29 peer-reviewed journal publications.

The agreed focus of the 2012 no-cost extension has been the presentation of the project findings at the Second Global Symposium on Health Systems Research in Beijing, in November 2012, travel costs for supervision and consultation of continuing components of VINE project activities, and support for the dissemination of findings of the project through presentations at international conferences and in peer-reviewed publications.

The project has been extremely productive in terms of its publications and in addition to the research accepted for publication in 2012, there are still several analyses in preparation for submission. Reports of the increasing use of this peer-reviewed evidence for policy are particularly gratifying.

Acknowledgements

VINE researchers from The University of Queensland would like to join our colleagues in Vietnam in thanking Atlantic Philanthropies for their support from the original capacity development project which saw some 25 Vietnamese graduates from public health programs in the School of Population Health, through to the completion of the Evidence for Health Policy in Vietnam (VINE). This research collaboration has been exceptional both in the way it has successfully brought together a range of research and policy partners in Vietnam, and in both the level of academic productivity achieved and its application in policy. It could not have been achieved without the collaborative vision and financing of Atlantic Philanthropies.

International Centers of Excellence for Malaria Research : Research to Control and Eliminate Malaria in SW Pacific Maxine

In 2010 the National Institutes of Health AI-09-017 International Centers of Excellence for Malaria Research : Research to Control and Eliminate Malaria in SW Pacific awarded a 7 year (US\$ 7,000,000) grant to a consortium in which ACITH/UQ is a member with Case Western University (lead), Papua New Guinea Institute of Medical Research, Swiss Tropical and Public Health Institute, Vector Borne Disease Control Programme in Solomon Islands, Walter and Eliza Hall Institute, Centers for Disease Control (USA), and University of Melbourne. Ground work to establish protocols, working arrangements between all research groups, and working with the communities to establish working relationships and arrangements have been completed in 2012, and entomological and epidemiological field work commenced.

One Health

This is a unit of work for the ACITH began in 2011, and is bringing together various groups within the SPH including Infectious Disease Epidemiology, Epidemiology and Biostatistics, BODCE, Environmental Health), as well as the traditional partners of QIMR and AAMI, and the Swiss Tropical and Public Health Institute and new partners with the University of Queensland Veterinary School and ENTOX. Associate Professor Simon Reid commenced his appointment in Global Disease Control to lead the One Health initiative at the SPH. This Unit received a grant from the UQ Vice Chancellor and ProVice Chancellor as start up funds for the UQ wide One Health initiative.

Building upon a plan of action for this programme of work developed in late 2009, the unit has achieved the following:

Learning

- Successfully conducted a One Health Short course in January 2012 with Professor Jakob Zinsstag and Dr Esther Schelling from the Swiss Tropical and Public Health Institute.
- One Health Panel discussion at UQ Art Museum, special event for UQ veterinary and medical students (Podcast available at <http://www.artmuseum.uq.edu.au/animal-human>)

Research

- Papers presented:
 - Global Risk Forum One Health Summit in Davos Switzerland. Dr Racloz presented 1) A strategy for addressing public health and zoonotic issues using a One Health approach and 2) A One Health approach to disasters and Mr Choudhury presented The societal impact of bovine tuberculosis in select Asian countries.
 - Dr Racloz was an invited speaker to present a paper entitled “A systemic framework for addressing public health and zoonotic issues using a One Health approach ” at the One Health Forum, Seoul National University, Korea
- Publications:
 - Mr Choudhury submitted 2 publications to EcoHealth that are the outputs of collaborative work that began in 2011. The 2 publications are entitled: “The Economic Impact of Pig-Associated Parasitic Zoonosis in Northern Lao PDR”. (accepted for publication in 2013) and “The economic burden of bovine Tuberculosis in China: More than just control costs” (under review).
 - Vanessa Racloz published a review paper included in the Plos NTD collection series entitled ‘Surveillance of dengue fever virus: a review of epidemiological models and early warning systems.’ Another paper titled ‘ Persistence of brucellosis in pastoral systems’ is currently in press for the OIE special edition, scientific and technical review
- Funding proposals:
 - Submitted proposals for funding to AusAID ADRAS scheme with Hanoi School of Public Health (“Developing and validating incentive-based interventions to enhance the safety of horticultural and livestock production practices in rural households in Vietnam.”)
 - Secured a contract with STPHI and CABI Published for a book on One Health: the added value of integrated health approaches. Due for publication early 2014
- Research activities:
 - Commenced research in collaboration with Associate Professor Malcolm Jones working on *Angiostrongylus cantonensis* and *Leptospira* sp. of feral and native rats in Brisbane as a One Health issue, and include co-supervision of a PhD student
- Adnan Choudhury collaborated with PNG IMR on a wealth factor analysis of Papua New Guinea in order to create a socioeconomic wealth index. This work has continued into 2013

- Three PhD candidates under One health: Ms Frances Birrell on “Improving the efficiency of influenza surveillance in Queensland”; Mr Adnan Choudhury has secured an APA scholarship to undertake a PhD to study application of on health and economics and previously mentioned one on leptospirosis and rats as a vector
- Work on health information systems and neglected tropical diseases, including zoonotic infections, with the Health Information System Knowledge Hub (SPH) by Professor Maxine Whittaker and Professor Robert Bergquist

Engagement

- Continued to work with the Fiji Ministry of Health to provide technical support for the development of a national strategy for the control of leptospirosis
- Reviewed the implementation of the Australian Centre for International Agricultural Research (ACIAR) project AS1/2001/054 (Identification of constraints and opportunities for the control of zoonotic diseases in the Pacific). This required in-country activities in Papua New Guinea and Fiji
- Dr Reid and Mr Choudhury visited Vietnam to attend the inception workshop of the ACIAR project LPS/2010/047 - Reducing disease risks and improving food safety in smallholder pig value chains in Vietnam
- Workshop on Strengthening Health information Systems to control NTDs in the Asia Pacific Region, held March 7-8, 2012 supported by HIS Knowledge Hub and One Health Unit (ACITH)>. Participants included Professors Don McManus, Tord Kjellstrom Archie Clements, Gail Williams, Banchob Sripa, and Drs Rasika Rampatige, Ricardo Soares Magalhães, Darren Gray, Soewarta Kosen, Vanessa Racloz and Mr Adnan Choudhury.
- Launch event at the One Health Short Course by SAAN January 2012 highlighted the UQ/STPHI initiatives in One Health

Other Activities

Staff of ACITH are engaged in other research projects in the School of Population Health including:

- Asia Pacific Observatory Research Hub (Maxine Whittaker , Renata Mares and Anna Rodney):
- Health Information Systems Knowledge Hub (Maxine Whittaker and Renata Mares)

And globally:

- Malaria Elimination Group (Maxine Whittaker)
- Case Study Advisory group (MEG) (Maxine Whittaker).

ENGAGEMENT



Use of long life insecticide treated bednets in Solomon Islands (PacMISC)



Discussing treatment options for P vivax malaria (APMEN)



Community mobilisation for malaria elimination, Tanna island, Vanuatu (PacMISC)



Community mobilisation for malaria elimination, Tanna island, Vanuatu (PacMISC)



APEMN Board Vice-Chair (Professor Gao Qi) and Chair (Dr Wichai Satimai) with Sir Richard Feachem (APMEN Co-Chair and Dr Dr Fatoumata Nafo-Traoré, Director Roll Back Malaria



Seetign APMEN's agenda (APMEN)

The ACITH supports a range of capacity building activities as service to communities, governments, organisations and development agencies. Highlights of these in 2011 were:

Pacific Malaria Initiative Support Centre (PacMISC)

The goal of PacMISC is to *facilitate the successful implementation of national malaria programmes in the Solomon Islands and Vanuatu in collaboration with ministries of health and development partners*. It achieves this by providing a flexible funding mechanism to implement highly-focussed, demand-driven, locally appropriate and cost effective activities outlined in the respective countries' malaria action plans, whilst also contributing to broader health systems strengthening and human resource development.

PacMISC was established in 2008 as part of the Australian Government's commitment to the control and progressive elimination of malaria in the Pacific region as defined under the Pacific Island Malaria Initiative. Massive collaborative funding and technical assistance, especially from the Global Fund, World Health Organisation, the Secretariat of the Pacific Community and both countries' governments, has resulted in significant reduction in the transmission rates of malaria with some provinces well on track to reach elimination status.

Generally the focus of PacMISC is to support partner governments and implementing agencies with the following:

- Provision of effective and efficient program management support to enable successful implementation of activities such as the mass distribution of bed nets and treatment drugs throughout each country.
- Coordination of the design and implementation of high quality surveillance, monitoring and evaluation systems to ensure effective monitoring of the interventions and provide real-time alert system for changes in transmission patterns.
- Delivery of effective teaching and training to meet identified needs in order to build human resource capacity at national and provincial levels to manage and implement the malaria programs. The skills and capacity of PacMISC consortium members and institutions within Australia and internationally are drawn upon to provide this expertise.
- Provision of highly focussed technical assistance and operational research.

Major achievements in 2012 were:

Vector control : The national malaria control strategy continued in Vanuatu with Indoor Insecticide Residual Spraying (IRS) operations in Tanna, Shefa and Efate provinces with PacMISC supporting intensive pre-intervention IRS training with national and provincial staff including community stakeholders. A high coverage of Long Lasting Insecticide Treated Nets (LLINs) was maintained with Vanuatu's six provinces being targeted. The PacMISC's Programme Liaison Support Officers have been consulting programme staff and community stakeholders to identify the challenges of LLIN disposal waste management especially in communities. PacMISC supported IRS monitoring in Solomon Islands with an Entomology Adviser reviewing vector control intervention data to assess the quality, analysis and the gaps and how the data informs a recently developed stratification matrix. As a result of this support the Vector Control and Monitoring and Evaluation teams and provincial coordinators improved their skills and understanding to manage data on villages and health facilities.

Health promotion/community mobilisation: Significant efforts have gone into community mobilisation in Vanuatu, resulting in a Malaria School Package being developed under the guidance of the PacMISC Community Mobilisation Adviser. The VBDCP aims to enhance collaboration between the MoH Health Promotion Unit and the Ministry of Education's Curriculum Development Unit).

Health Systems Strengthening: PacMISC supported the ongoing capacity development of a joint country Surveillance M&E Work Group (SMEWG) by mobilising its Malaria Surveillance Adviser to work with the SMEWG on regional strategic planning and to come up with a framework for implementation. An activity supported by PacMISC in Solomon Islands was the drafting of the 2013 Malaria Action Plan (MAP) which was developed by two advisers whose inputs were specifically requested by the Solomons Island Government MHMS. The input aimed to bring about a reorientation of programme operational management and reporting with the development of a detailed stratification matrix and a draft Malaria Action Plan (MAP) that included extensive recommendations and findings currently in the pipeline to be endorsed by the Malaria Steering Committee (MSC).

Elimination: In Vanuatu, the PacMISC Provincial Programme Management Support Officer (PPMSO) focused her attention on Torba (specifically the Torres Islands Group) and Tafea Provinces. Key activities included: IRS, LLIN coverage, improving case detection and strengthening community engagement through the establishment of a Malaria Elimination Committee in Torba Province. Elimination efforts in Solomon Islands were largely directed at Temotu Province with the Solomon Islands based PPMSO undertaking three field trips to Santa Cruz in this reporting period. The PPMSO's reports cover in depth, issues, findings and recommendations which are circulated widely in the VBDCP, the WHO, the MHMS and the Temotu provincial malaria team.



Microscopy training, Vanuatu supported by Government of Vanuatu, WHO and PacMISC



Indoor residual spraying training in Vanuatu; supported by Government of Vanuatu, WHO and PacMISC

Investing in MDGs 4 and 5

This set of activities now consists of two major projects.

The *Investment Case for Scaling up Equitable Progress towards MDGs 4 & 5* is a \$4 million project funded by the Bill and Melinda Gates Foundation and AusAID. It's aimed at improving maternal and child health in five priority countries in Asia and the Pacific. The project ran from January 2009 to December 2011. In June 2011, the project secured additional funding of \$2.4 million from AusAID to continue the Investment Case work to June 2014, working in close collaboration with UNICEF. The purpose of the project is to identify the main health constraints and 'bottlenecks' hampering the take up of 'best buy range of interventions' required to achieve equitable progress towards MDGs 4 and 5 and to estimate the extra funding needed to address these current constraints in an equitable way.

Two goals of the United Nations Millennium Declaration of 2000 call for substantial reductions in child and maternal mortality by 2015. Throughout the world, almost 11 million children under the age of five die every year (more than 1,200 an hour), mostly from easily preventable or treatable causes. More than half a million women die in pregnancy and childbirth every year - that's one death every minute. Of these deaths, 99 per cent are in developing countries. Effective, low-cost reproductive, maternal and newborn child health interventions are available but, while there has been good progress in some countries, coverage continues to be low in many others, particularly in the developing world.

This Investment Case (IC) project is a collaboration between the AusAID Knowledge Hubs, led by UQ's School of Population Health within ACITH, and national research partners in five Asia Pacific countries - India, Indonesia, Nepal, Papua New Guinea and The Philippines - where rates of preventable maternal, neonatal and child deaths are particularly high. In 2012 the project team worked on the new phase of IC in Indonesia, Nepal and the Philippines.

The work incorporates an Equity analysis and a Scale-up Analysis. The Equity analysis aims to identify disadvantaged groups according to health outcomes and intervention coverage. The Equity country reports include a detailed analysis of under-five mortality using the latest methods. The Scale-up involves an analysis of available datasets and consultation workshops with partners in-country to identify bottlenecks and strategies to scale-up critical interventions to prevent maternal, newborn and child deaths. Final results, including how governments have used the IC analysis for their local government planning and budgeting are included in these reports.

The project team is working closely with policy makers and the global and country offices of development partners in the region, including UNICEF and WHO, to ensure the study results are translated into real action in each country. The project team are also consulting with other consortia, such as the *Maternal, Newborn and Child Health Network for Asia and the Pacific* and the *Partnership for Maternal, Newborn and Child Health (PMNCH)* to ensure that this project complements other activities in the region.

In addition, given how little evidence exists on the effectiveness of strategies for improving quality of Reproductive, Maternal, neonatal and Child Health (RMNCH) services, we conducted a formal review of these, with the aim to help countries decide which strategies to invest in. The objective was to create a publicly available database on scaling-up strategies for RMNCH, which could be used by country planners and routinely updated.

The database on scaling-up strategies for RMNCH is available from <http://www.uq.edu.au/investmentcase/tools-resources>. Reports and publications from the first Investment Case work to December 2012 are available from: <http://www.uq.edu.au/investmentcase/reports-publications>.

Roadmaps for optimizing RMNCH in SE Asia

A project was commissioned by WHO Partnership for Maternal and Newborn Child Health to develop evidence-based recommendations on how to develop and use implementation options/scenarios to scale up effective RMNCH interventions in low- and middle-income countries in the Asia-Pacific region.

In decentralized systems, which make up the vast majority in the Asia-Pacific region, the difficult task of deciding *how* to deliver the benefits packaged usually rests on the shoulders of state, provincial and even district authorities (subnational priority setting). While governments at subnational level need to make informed decisions to prioritize their investments for RMNCH, scarce evidence exists to guide them. Much of the available information only describes the process and the tools; less

evidence exists on their effectiveness in influencing resource allocation, particularly in the Asia-Pacific region.

The primary aim of this exercise was to provide evidence-based recommendations to inform decisions by subnational authorities on how to prioritize service delivery investments in RMNCH in Asia and the Pacific. We undertook a review of the available evidence on priority setting for health in both the published and the grey literature during the last 10 years. From our review we concluded that we cannot recommend any single evidence-based approach to priority setting, and we instead proposed a generic roadmap to help governments improve their priority setting process. This roadmap takes into consideration the various issues identified in the literature, acknowledging the importance of political and contextual issues, and it does not assume that improving priority setting is feasible in every location. The decision to improve priority-setting processes linked to planning and budgeting should thus follow a pragmatic consideration about the extent to which such process has the potential to accelerate the scale-up of health services in the given context. For governments who have made a decision to improve their priority setting processes for RMNCH, we present a list of ten generic, non-prescriptive elements to consider in the process. These elements should be adapted to the individual country situation and the specific approach adopted.

The project was completed in October 2012 and results disseminated during WHO Asia-Pacific Leadership and Policy Dialogue for Women's and Children's Health, Manila, the Philippines (7-9 November 2012). The report is available from http://www.who.int/pmnch/topics/part_publications/prioritize_investments/en/index.html

Asia Pacific Malaria Elimination Network (APMEN)



Vivax Group work at APMEN IV meeting, Seoul



Vivax Group work at APMEN IV meeting, Seoul

APMEN was launched in February, 2009, in Brisbane, Australia, at a meeting co-hosted by University of Queensland and University of California (San Francisco). The overall aim of the APMEN is to develop and sustain a network of Country Partners and Partner Institutions to work collaboratively to address the challenges of malaria elimination in the Asia Pacific region, with particular focus on the unique challenges for the region such as *Plasmodium vivax* (*P. vivax*). This overall aim will be accomplished through the following key strategic objectives:

1. Share information and develop expert consensus on issues relating to malaria elimination, in order to support policy and decision making at the country level.
2. Support country decision making through building of the evidence base for malaria elimination, with a particular focus on *P. vivax*.
3. Increase expertise and capacity to carry out elimination activities through guidance, training, and sharing of experiences.

4. Provide leadership and advocacy for malaria elimination in the region by expanding international and domestic awareness, funding, and support.
5. Facilitate support for emerging priorities for malaria elimination especially in the Asia Pacific Region.
6. Develop a governance structure suitable for the network and provide Secretariat support of governance infrastructure and smooth coordination and to enable efficient work of Network.

APMEN is composed of Asia Pacific Country Partners that have set a national goal of elimination of malaria, as well leaders and experts from key multilateral and academic agencies with an interest and skills in malaria research and elimination in the Asia Pacific region. As of March 2011 these countries are: Bhutan, China, Democratic People's Republic of Korea, Indonesia, Malaysia, Philippines, Republic of Korea, the Solomon Islands, Sri Lanka, Thailand and Vanuatu. The Bill and Melinda Gates Foundation and The Australian Agency for International Development have committed substantial funding to support APMEN and other elimination activities. The University of Queensland through ACITH was awarded a contract from AusAID to manage the APMEN work plan (2009) and many of the Secretariat functions. Other aspects of Secretariat functions are managed by the Global Health Group at University of California (San Francisco) funded through the BMGF. Other development partners such as UNICEF, USAID, WHO, Malaria Consortium have provided support to the network activities.

During 2011, an independent mid-term review was undertaken of the AusAID funded secretariat activities of APMEN. The report was released in early 2012.

In 2012, key APMEN activities focused on:

Objective 1: Information sharing and consensus building

- Updating of the APMEN website. Information and documents such as guidelines and applications for both of these APMEN Programs are accessible and accessed from the APMEN website. In response to requests from Country Partners and other organisations the website was streamlined to include information for each of our Country Partners onto a individual pages which houses reports and documents for example <http://apmen.org/bhutan/>. The website hosted and maintained by the UQ Secretariat and has had a total of unique visitors 6,119 visitors between February 2012 and December 2012.
- In May 2012, a successful APMEN IV meeting (which included Business, Technical and Board Meetings as well as the Vivax and Vector Control Working Groups' annual meetings) and a study tour occurred in The Republic of Korea, with over 100 Network participants attending. The study tour to the Demilitarized Zone was successful according to the evaluations and assisted the Network to deepen its understanding of border issues facing the Korean Peninsula.

Objective 2: Building the evidence base for decision support

- Annual technical meetings of the Vivax and Vector Control working groups
- Continuation of the APMEN Research grant program for research into Vivax
- Support to Vivax Working Group who in 2011 have supported 11 research projects in 7 different APMEN countries
- In 2012 the following peer reviewed papers have been published by APMEN Country Partners and Partner Institutions, and their partners, building upon work partially or wholly supported by APMEN.
 - PLOS One: Malaria Control and Elimination in Sri Lanka: Documenting Progress and Success Factors in a Conflict Setting
 - Commentary, Malaria elimination gaining ground in the Asia Pacific *Malaria Journal* 2012, 11:346 (18 October 2012)
 - Malaria control in Bhutan: case study of a country embarking on elimination

- Findings of the literature review on mobility, infectious diseases and malaria *Malaria Journal* 2012, 11(Suppl 1):P101
- Findings of the literature review on larviciding in elimination environments in Asia Pacific *Malaria Journal* 2012, 11(Suppl 1):P102 and *Malaria Journal* 2012, 11(Suppl 1):P103
- Reactive surveillance methods used for malaria elimination in Asia and the Pacific: Results from a 12 country survey *Malaria Journal* 2012, 11(Suppl 1):P90
- Update from the Asia Pacific Malaria Elimination Network (APMEN) *Malaria Journal* 2012, 11(Suppl 1):O54 (15 October 2012)
- Acta Tropica: Malaria in the Greater Mekong Subregion: Heterogeneity and complexity
- Acta Tropica: Malaria in South Asia: Prevalence and control
- *Malaria Journal* :Primaquine radical cure of *Plasmodium vivax*: a critical review of the literature
- Paper by Professor Maxine Whittaker APMEN Co Coordinator as invited keynote at Challenges for Malaria Research, Basel entitled Update from the Asia Pacific Malaria Elimination Network (APMEN)
- Electronic posters at the Malaria 2012 entitled : What do we know about mobility of populations and malaria?, Engaging communities in elimination: needs, approaches and tools, The role of larviciding in malaria elimination environments in the Asia Pacific
- Presentation at Roll Back Malaria Meeting Dakar , December 2012 by APMEN Chair of Advisory Board Professor Wichai Satimai
- Presentation at Asia-Pacific Development Summit: Public-Private Partnerships to Close Regional Health MDG Gaps by Philippines Country Partner representative Ms Marvi Trudeau

A survey tool on reactive case investigation methods was developed and disseminated to the APMEN Country Partners.

Two capacity building workshops were also held at this meeting: one examined current diagnosis and implications of G6PD deficiency, and the other assessed progress of *P. vivax* genotyping. These were attended by international experts in the field, and country and research partners.

Objective 3: Technical guidance and capacity building

- Continued success of APMEN Fellowship programme with 5 fellowship awarded
- Representatives of the APMEN VxWG visited Bhutan in September to discuss and support skills strengthening for the implementation and monitoring of a primaquine trial with local investigators, and visited some of the proposed trial sites including Gelephu Hospital in the southern low-lands of Bhutan. The team also met with Round 2 Small Grant recipient to discuss the Round 2 Small Grant project using mobile technology for malarial disease mapping. The vivax coordinating team, based in Menzies also receives visitors from various Research Grant holders for example in 2012 a researcher from the Korean Centre for Disease Control, visited Menzies School of Health Research, Darwin Australia for 3 weeks to gain hands on experience of *P. vivax* microsatellite genotyping and data analysis to enable the completion of the Small Project Grant.

Objective 4: Leadership, knowledge management, advocacy.

- Developed and disseminated APMEN advocacy brief –APMEN Paving the Way and APMEN brochure update; “APMEN: Tackling Malaria Elimination in the Asia Pacific” one-pager of talking points about the network and the first APMEN video.

APMEN invited to and attended

- Malaria Elimination Group Mexico (MEG) (United Arab Emirates, December 2012)

- Engaged by request in SEARO and WPRO meetings
- Roll Back Malaria Partnership Board meeting (Switzerland, June 2012 and Senegal, December 2012)
- American Society of Tropical Medicine 61st Annual meeting (Georgia, USA, November 2012)
- Malaria 2012: Saving Lives in the Asia Pacific (Sydney, October 2012)
- Challenges in Malaria Research; Progress towards elimination • Asia Pacific Development Forum (Jakarta, September 2012) nation (Basel, October 2012)
- WWARN symposia on vivax (Rio, September 2012)

Objective 5: Facilitating of Emerging priorities.

Completed a literature review on mobile populations was commissioned and key findings presented at the meeting.

Objective 6: Secretariat Function

- Publication of the APMEN newsletter five editions disseminated via the website.
- Convening the third annual network meeting in Kota Kinabalu, Advisory Board meetings and other meetings such as the Vector Control and Vivax Working Groups.
- APMEN was invited to participate in and give a presentation present on the regional

Group work at APMEN IV meeting, Seoul



Vector Control Group meeting at APMEN IV



OTHER ACTIVITIES

World Health Day

Based on the success of the inaugural SPH initiative of celebrating World Health Day (WHD), the ACITH facilitated the 2nd WHD. Using the WHD theme of *Ageing and health* with the theme "Good health adds life to years". Researchers at the School of Population Health presented their innovative work in population health that provides unique and valuable insights into healthy lives and healthy aging in Australia and globally and provide an evidence base to policy makers and programme managers, namely:

- Opening address : Healthy aging – what does the Global Burden of Disease study tell us
Professor Theo Vos;

- Keynote Address: Health symptoms in midlife: can doctors predict the duration of symptoms? Professor Gita Misha
- Panel : Different perspectives on healthy living and healthy aging Chronic conditions self-management internationally. Dr Robyn Mobbs; Television viewing time and reduced life expectancy: a life table analysis Dr Lennert Veerman; Are the national guidelines for health behaviour appropriate for older Australians? Evidence from the Men, Women and Ageing project” Professors Annette Dobson and Deidre McLaughlin

VISITORS

A broad range of colleagues, researchers, industry, development agencies and country partners visited ACITH in 2012. These included:

- ABT Associates
- Asia Pacific Observatory: Dr Dale Huntington, Ms Rebecca Dodd
- Barbara Kennedy Vice President of Global Helth, and Cathy Fort Director for Asia Programs, RTI International
- China visit to UQ
- Hanoi School of Public Health: Drs Pham Duc Phuc and Nguyen Viet Hung
- JTAI: Mr Geoff Scahill and Dr Emma Fields, Dr Jane Thomason
- Medicine for Malaria Venture: Mr Dan Evans
- Ministry of Health, Solomon Islands; Dr Lester Ross, Director general
- Morobe Joint venture:”: Mr Larry Watson
- Origin Energy: Mr Raj Seervatham, Ms Sue Horn
- PNG Deputy High Commissioner - Ms Margaret Adamson
- PNG Institute of medical research; Professor Peter Siba
- Professor Robert Bergquist,
- SAAN and Swiss Embassy (Australia): Mr Christian Schneider
- Swiss Tropical Public Health Institute: Professor Marcel Tanner (Director), Professor Jakob Zinnstag, Dr Esther Schelling, Ms Bernardette Peterhans, Professor Don de Sauvingy
- University of Oslo: Dr Kurt Staring
- WEHI: Professor Louis Schofield, Professor ivo Mueller
- WHO: Dr Chris Maher, Chief od Strategy implementation Polio Eradication Initiative
- WPRO: Mr Mark Landry



Hanoi School of Public Health visit to ACITH



Mr Christian Schneider, SAAN and Swiss Embassy (Australia) visiting ACITH short course, January 2012



Hanoi School of Public Health visit to ACITH

OTHER ENGAGEMENT ACTIVITIES

Professor Maxine Whittaker with Associate Professor Jaya Earnest (Curtin University) ran a workshop at the Population Health Congress (Adelaide September 2012) entitled 'Non-Communicable Diseases (NCDs) and the impact on Low and Middle Income Developing Countries'. The objectives of the workshop were to support participants to :

- acquire more detailed knowledge about the impact of NCDs on the current health systems in LMICs;
- contribute to a shared understanding of the implications of NCDs on health system capacity;
- discuss ways in which trade agreements and other social and political determinants impact on the burden of and capacity to address NCDs
- explore ways in which public health organisations in Australia might engage in the supporting advocacy for, capacity development in, knowledge sharing about and developing an evidence base on the determinants of NCD linked health issues and public health approaches to addressing the issue in LMICs in our region

It was attended by more than 50 participants from Australia and the region. The speakers and group facilitators were:

- Dr Monika Arora: [Public Health Foundation of India (PHFI)] Non Communicable Diseases (NCDs) in India: current challenges and solutions:
- Dr Paula Vivili: [Vaiola Hospital, Tonga] The importance of political commitment in putting Non Communicable Diseases (NCDs) on the national agenda – The Tonga experience:
- Dr Dewan Alam: [Centre for Control of Chronic Disease, Bangladesh] Emerging non-communicable diseases epidemic in Bangladesh: A case study on country preparedness to combat NCDs:
- Ms Helen Robinson: [Institute for Global Health, University of Melbourne] Non-Communicable Diseases and Health Systems Reform in Low and Middle Income Countries:
- Dr Sandeep Kishore: Department of Global Health and Social Medicine, Harvard Medical School “NCDs and the role played by Global Young Health Professionals”



Population Health Congress Adelaide September 2012) Keynote speakers and facilitators

rECOGNITION

Laudatio Manuel Hetzel 2012



Dr Manuel Hertz receiving the Geigy Award from Professor Marcel Tanner

One of our staff received a special award in 20102 – Dr Manuel Hertz, who has been working in the PNG Institute of medical research as a Post-Doctoral fellow . The following is the speech provided on the night of his award:

*“It is our great pleasure to award the seventh R. Geigy Award to **Dr. Manuel Hetzel***

Manuel Hetzel Who

Dedicates his professional life as an epidemiologist to the research and control of diseases of poverty; particularly malaria. Who

Undertakes research with a health systems perspective aiming at understanding how health interventions can be rendered most effective at community level. Who

Proposed - together with the social scientists and the health authorities – the theoretical concepts and practical actions to assure access to treatment; mainly for the most neglected populations. Who

Translates research findings effectively into public and global health action in Tanzania and Papua New Guinea; working in partnership with all his colleagues from all levels. His respect for partnership with his fine personality earns him deep recognition of the populations concerned and of the policy and decision-makers.

Who

Shows outstanding leadership and trainer/teaching skills in transcultural teams even under most difficult conditions. Who

Significantly contributes through his comprehensive work to health development in Tanzania and in the Pacific. These reasons have led to our decision to award Dr. Manuel Hetzel the seventh R.Geigy Award. We honour his great contributions to health development in general and malaria control in particular. We are convinced that Professor Geigy would join us in our congratulations, as Dr. Manuel Hetzel’s career path and achievements represent what Professor Geigy’s visions entailed since he first visited Africa.

The way you, Dr. Hetzel, dear Manuel, undertake your research, teach and train young colleagues and peers gives us all hope and an outlook that despite many difficulties at political and operational levels, health can be improved and poverty can be alleviated”.

(Basel, 20th December 2012) <http://www.swisstph.ch/about-us/r-geigy-foundation/rudolf-geigy-award/laudatio-manuel-hetzel-2012.html>

Conclusion

In 2012 ACITH broadened its place on the global health development map through its innovative teaching, now recognised through its membership in tropEd; research including major global health grants with the EU and NHMRC; and engagement activities including the internationally recognised APMEN and PacMISC. Its capacity development and collaboration principles are integrated into all of its activities, and permeate its long standing relationships with Fiji, SEAMEO-TropMed, Papua New Guinea, and other regional training and research institutions.

Strategic challenges to this growth including the maintenance and recruitment of appropriate professionals, building and strengthening core alliances and collaborations with national, regional and international teaching and research institutions and development agencies, continued engagement in core research, maintenance of student numbers and broadening of the teaching programmes. Ensuring sustained core funding for the centre remains a challenge, and means innovative financing for supporting the teaching and research programme and its staff will need to be developed. Broadening the funding base through research programmes, consultancy and project work with a broader range of development partners and agencies, and philanthropy need to be continued.

Annexes



Scenes from the Health Aspects of Disasters Course 2012



Annex 1

Staffing for ACITH (UQ) 2010

Teaching and Research/Research Staff

Claire Brolan	Kim Nguyen
Karen Carter	Justin Pulford (Goroka)
Adnan Choudhury	Eliana Jimenez Soto
Jo Durham	Maxine Whittaker
Hebe Gouda (Goroka)	Rushika Wijesinghe
Manual Hetzel (Goroka)	
Peter Hill	
Andrew Hodge (MDG Investment Case)	

Project Staff

Matthew Baxter (MDG Investment Case)	Amanda Lee (APMEN)
Arna Chancellor (APMEN)	Renata Mares (APO Research Hub)
Zoe Dettrick (MDG Investment Case)	Luke Marston (PacMISC Solomon Islands)
Simone Dowd (PacMISC AAMI)	Rebekah Mc Bride (PacMISC)
Patricia Dowling (PacMISC Vanuatu)	Stacey Pitman (ICEMR)
Kelly Robertson	Ibari Hellmer Reyes (MDG Investment Case)
Sonya Firth (MDG Investment Case)	Linda Skiller (APMEN)
Megan Johnston (PacMISC Vanuatu)	Catherine Smith (APMEN)
	Suzanne Welsh (PacMISC)

Administrative/Management staff

Alison Manley

Adjunct Appointments

Nicolas Anstey, Honorary Professor	William Parks, Adjunct Associate Professor
Stuart Blacksell, Adjunct Associate Professor	Ian Riley, Professor Emeritus
Joan Bryan, Adjunct Associate Professor	Andreas Suhrbier, Conjoint Associate Professor
Jonathan Carapetis, Adjunct Professor	Marcel Tanner, Honorary Professor
Qin Cheng, Adjunct Associate Professor	Richard Taylor, Honorary Professor
Robert Cooper, Adjunct Associate Professor	Jane Thomason Adjunct Associate Professor
Richard Feachem, Honorary Professor	Peter Upcroft, Conjoint Associate Professor -
Michael Good, Conjoint Professor	Jacqueline Upcroft Conjoint Senior Lecturer –
Adele Green, Conjoint Professor	Patricia Valery, Conjoint Lecturer
Dean Jamison, Honorary Professor	David Whiteman, Adjunct Associate Professor
Donald McManus, Conjoint Professor	
Denis Moss, Conjoint Professor	
Christopher Murray, Honorary Professor	

Annex 2

Collaborations

Unit	Countries	SPH/UQ collaborations	National & International collaborations
APMEN	Bhutan Brunei China Democratic People's Republic of Korea (DPRK) India Indonesia Malaysia Nepal Philippines Republic of Korea (ROK) Solomon Islands Sri Lanka Thailand Vanuatu. Vietnam	Infectious Disease Epidemiology Unit, UQ PacMISC HIS Hub	<ul style="list-style-type: none"> • AAMI • ACTMalaria • Armed Forces Research Institute for Medical Science (AFRIMS) • AusAID • Australian Army Malaria Institute (AAMI) • Bill and Melinda Gates Foundation • Burnet Institute, Melbourne, Australia • Centers for Disease Control, Atlanta • Eijkman-Oxford Clinical Research Unit, Indonesia • Institute of Medical Research, Papua New Guinea • Karolinska Institutet • Kenan Institute • London School of Hygiene & Tropical Medicine • Mahidol Vivax Research Centre • Malaria Atlas Project • Malaria Consortium • MEG, Malaria Elimination Group • Medicines for Malaria Venture (MMV) • Menzies School of Health Research • Pasteur Institute • QIMR • Research Institute for Tropical Medicine (RITM), Philippines • Sarawak Malaria Centre • University of Melbourne (Nossal Institute for Global Health) • University of Queensland (School of Population Health) • UNICEF • World Health Organization (SEARO, WPRO, GMP) • USAID, Regional Development Mission/ Asia • WorldWide Antimalarial Resistance Network (WWARN) • WHO partners <ul style="list-style-type: none"> * SEARO Malaria * WPRO Malaria • Roll Back Malaria (RBM)

Unit	Countries	SPH/UQ collaborations	National & International collaborations
MDG Investment Case	India Indonesia Nepal Papua New Guinea The Philippines	BODCE Head of School Office HIS Hub VINE	<ul style="list-style-type: none"> • ADB • AusAID • Bill and Melinda Gates Foundation • Burnett Institute • IHME • Maternal, Newborn and Child Health Network for Asia and the Pacific • Nossal Institute • Partnership for Maternal, Newborn and Child Health (PMNCH) • UNFPA • UNICEF • World Bank
Roadmaps for optimising RMNCH in SE Asia	SE Asia	Head of School Office MDG Investment Case Team	<ul style="list-style-type: none"> • ADB • Nossal Institute • WHO (PMNCH)
One Health	Laos	Infectious Disease Epidemiology Unit, SPH BODCE School of Economics UQ Veterinary School, UQ	<ul style="list-style-type: none"> • AAMI • Khon Kaen University, Thailand • Hanoi School of Public Health • Mahidol University, Thailand • Murdoch University • QIMR • Swiss Tropical Public health
PacMISC	Vanuatu Solomon Islands	APMEN HIS Hub Infectious Disease Epidemiology Unit ADG Epidemiology and Biostatistics	<ul style="list-style-type: none"> • AAMI • AusAID • Burnett Institute • Global Health Group UC-SF • Liverpool School of Tropical Medicine • Ministry of Health Solomon Islands • Ministry of Health Vanuatu • Nossal Institute • QIMR • Swiss Tropical and Public Health Institute • WPRO
VINE	Vietnam	BODCE HMMU	<ul style="list-style-type: none"> • AusAID • Atlantic Philanthropies • Hanoi School of Public Health • Health Strategy and Policy Institute (HSPI) (Ministry of Health, Vietnam)
Other			<ul style="list-style-type: none"> • ICDDR-B, Dhaka, Bangladesh • Mahidol University, Bangkok, Thailand • Research Institute for Tropical Medicine, Manila, Philippines • School of Public Health and University of Indonesia • INDEPTH network, Accra, Ghana

Unit	Countries	SPH/UQ collaborations	National & International collaborations
PNG-based projects	Papua New Guinea		<ul style="list-style-type: none"> • National Department of Health, PNG • Central Public Health Laboratories, PNG • Population Services International, PNG • Rotarians Against Malaria, PNG • OilSearch Health Foundation, PNG

Annex 3

Publications 2012

Published

Journal Articles

Adair T, Hoy D, **Dettrick Z**, Lopez AD. (2012). 100 Years of Chronic Obstructive Pulmonary Disease (COPD) Mortality in Australia: The Role of Tobacco Consumption. *International Journal of Tuberculosis and Lung Disease*, 16(12), 1699-705.

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Aung , E. Whittaker, M Building Health System Capacity: An Introductory Training Course on Health Information Systems *Pacific Health Dialogue* 2012 Volume 18, Number 1

Aung, E., Whittaker, M Preparing routine health information systems for immediate health responses to disasters *Health policy and planning* 2012;1–13 doi:10.1093/heapol/czs081

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Choudhury, A., Conlan, J., **Racloz, V., Reid, S., Blacksell, S.,** Fenwick, S., Thompson, A., Khamlome, B., Vongxay, K. and **Whittaker, M.** Conducting Socioeconomic Evaluations in Information Constrained Settings: The Impacts of Pig-associated Zoonoses in Lao PDR *Ecohealth* DOI: 10.1007/s10393-013-0821-y

Christie G, Black S, Dunbar L, **Pulford J** & Wheeler A. Attitudes, skills and knowledge change in child and adolescent mental health workers following screening and brief intervention training in New Zealand. *International Journal of Mental Health and Addiction* (in press).

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Tynan A, Vallely A, Kelly A, Law G, Millan J, Siba P, Kaldor J and **Hill PS**. (2012) Vasectomy as a proxy: extrapolating health system lessons to male circumcision as an HIV prevention strategy in Papua New Guinea. *BMC Health Services Research* 12:299

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Bang PN, **Hill PS**, Hall W and Rao C. (in press) The Evolution of Population Policy in Viet Nam. *Asia Pacific Population Journal*

Brown, R., Connell, J. & **Jimenez-Soto, E.** *Migrants' remittances, poverty and social protection in the South Pacific: Fiji and Tonga* (Accepted 2012, Population, Space and Place).

Durham J, Hoy D, **Hill PS** (2012) Missing limbs, missing lives, missing deaths: the under reporting of landmine and explosive remnants of war injuries in Lao Peoples Democratic Republic (PDR), Vietnam and Cambodia. *Bulletin of the World Health Organization* epub ahead of print

Durham, J., (in press) Securing the rights of survivors for health care: Developing an evidence base to inform policy, *Journal of ERW and Mine Action*

Durham, J., Hill, P., Hoy, DG. (in press), The underreporting of landmine and explosive remnants of war injuries in the Lao People's Democratic Republic, Viet Nam and Cambodia, *Bulletin of the World Health Organization*

Durham, J., Hoy, DG (in press) Burden of Injury From Explosive Remnants of Conflict in Lao PDR and Cambodia, *Asia-Pacific Journal of Public Health*

Kraft, A., Nguyen, H-K., Hodge, A. & Jimenez-Soto, E. Stagnant neonatal mortality and persistent health inequality in middle-income countries: A case study of the Philippines (Accepted 2012, PLOS ONE).

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Publications under review

Durham, J., Fielding A., White, R. Social capital and collective resilience following mine

clearance: The case of Kurdish Iraq, *Global Public Health*

Durham, J., Fielding A., Hoy, D., White, R. Validating a livelihood asset scale in Lao PDR, *field Methods*

Hansana V., Sanchaisuriya, P., **Durham, J.**, Sychareun V., Chaleunvong K., Schelp FP. Adherence to Antiretroviral Therapy (ART) among People Living With HIV (PLHIV): A Cross-Sectional Survey to Measure in Lao PDR, *BMC Public Health*

Sychareun V., Phengsavanh, A., Hansana V., Chaleunvong K., Kounnavong, S., Sawhney, M, **Durham, J.** Predictors of premarital sexual activity among unmarried youth in Vientiane, Lao PDR: The role of parent–youth interactions and peer influence, *Global Public Health*

Conference and Seminar Presentations

Byrne, A., Morgan, A., **Jimenez-Soto, E., and Dettrick Z.** Poster Presentation. Second Global Symposium on Health Systems Research, Beijing, China. 2012. *Context-specific, evidence-based planning for scale-up of family planning services to increase progress to Millennium Development Goal.*

Durham, J. : 8th International Mixed Methods Conference – presenter - An example of using a mixed method design to evaluate the properties of a self-report livelihood assets scale in the Lao People's Democratic Republic (PDR) 7 February, 2012.

Hetzel MW, Pulford J, Gideon G, Paul S, Tarongka N, Morris H, Robinson L, Siba PM, Mueller I. Dramatic decrease in malaria after repeated rounds of mosquito net distribution in Papua New Guinea. XVIII International Congress for Tropical Medicine and Malaria & XLVIII Congress of the Brazilian Society of Tropical Medicine, Rio de Janeiro, Brazil, 23-27 September 2012.

Hetzel MW, Pulford J, Paul S, Tarongka N, Morris H, Tandrapah T, Reimer L, Robinson L, Siba PM, Mueller I. Dramatic changes in malaria after the free distribution of mosquito nets in Papua New Guinea. Challenges in malaria research: progress towards elimination, Basel, Switzerland, 10-12 October 2012.

Hill PS. (2012) Emergent health services in failed states: Can we build capacity but include the informal sector? *Seminar Presentation*, Belgian Technical Commission, Brussels, Belgium

Hill PS. (2012) Evidence for Health Policy in Vietnam: challenges in research, analysis, and translation. Chair, Evidence for Health Policy in Vietnam (VINE) Satellite Session. *Global Symposium for Health Systems Research*, Beijing, 31 October-4 November 2012.

Hill PS. (2012) Global Health Initiatives in Africa: The challenges of policy research. Sectional Chair. *Global Symposium for Health Systems Research*, Beijing, 31 October-4 November 2012.

Hill PS. (2012) Health Care in Disrupted Environments. **Invited Plenary Speaker** *Health Care in Danger Symposium*. International Committee of the Red Cross, British Medical Association. British Medical Association House, London, UK, 23 April 2012.

Hill PS. (2012) Mobilising for primary health system renewal in the developing world: Primary care reforms in South East Asia. **Invited Plenary Speaker** *World Health Care Networks Conference*, Cairns Convention Centre, Cairns, Australia, 26-28 July 2012.

Hill PS. (2012) Strategic Development Of Health Workforce For Central and Highland Vietnam: Findings And Recommendations From VINE Project. **Invited Plenary Speaker** *Hue Scientific*

Festival, Hue Medical University, Thua Thien Hue Province, Vietnam, 11-14 April, 2012.

Hill PS. (2012) The Australian Centre for International and Tropical Health (ACITH): International Partnerships in Education and Research. *UQ International 2012 Global Symposium*, Women's College, St Lucia, Australia, 1-2 August 2012.

Hill PS. (2012) Wheels within wheels: Complex framing of health systems complexity. In: Enhancing institutional and organizational capacity to strengthen health systems: An important health systems research priority. *Global Symposium for Health Systems Research*, Beijing, 31 October-4 November 2012.

Jimenez- Soto, E., *Prioritizing investments in women's and children's health: What is the evidence and where to now?* In Asia-Pacific Leadership and Policy Dialogue for Women's and Children's Health, 7-9 Nov 2012, Manila, the Philippines.

Jimenez-Soto, E., & Firth, S. Poster Presentation. Second Global Symposium on Health Systems Research, Beijing, China. 2012. *Using evidence to inform priority setting in local plans and budgets – Lessons from the field (a study in Indonesia, Nepal, Philippines and State of Orissa).*

Jimenez-Soto, E., Fishbowl Discussion (Chair Kumanan Rasanathan). Second Global Symposium on Health Systems Research, Beijing, China. 2012. *Realizing the equity agenda: Translating evidence from the monitoring of district-level health services to improve maternal and child health*

Moh Seng Chang, **Maxine Whittaker, Goodluck Tesha;** Asia Pacific Malaria Elimination Network (APMEN) Capacities in vector control in malaria elimination environments in the Asia Pacific Poster presented at Malaria 2012 Conference 31 October – 2 November Sydney

Moh Seng Chang, Hugo Bugoro and **Maxine Whittaker** Asia Pacific Malaria Elimination Network (APMEN) The role of larviciding in malaria elimination in Asia Pacific Region Poster presented at Malaria 2012 Conference 31 October – 2 November Sydney

Nguyen, K., Jimenez- Soto, E., & Hodge, A. *A proposed framework to undertake economic evaluations of data collection methods for births, deaths and causes of death.* In Unlocking the Value of Mortality Data Conference by Australasian Mortality Data Interest Group, 12-13 November 2012, Sydney, Australia.

Pham BN, **Hill PS**, Hall W and Rao. (2012) The Evolution of Population Policy in Vietnam. *European Population Conference*, Stockholm, Sweden, 13-16 June 2012.

Pulford J, Tandrapah A, Atkinson J, Kaupa B, Russell T & **Hetzel MW.** Feasibility and acceptability of insecticide treated plastic sheeting (ITPS) for vector control in Papua New Guinea. Paper presented to the 48th Annual Medical Symposium, Port Moresby, Papua New Guinea, 3-7 September 2012

Racloz, V., A strategy for addressing public health and zoonotic issues using a One Health approach [GRF One Health Summit 2012](#), February 19-22nd, Davos Switzerland

Racloz, V., A One Health approach to disasters [GRF One Health Summit 2012](#), February 19-22nd, Davos Switzerland

Racloz, V., A systemic framework for addressing public health and zoonotic issues using a One Health approach [One Health Forum 2012](#), December 13-14th 2012, Seoul, Korea. Invited speaker

Whittaker, M, Moh Seng Chang Findings of the literature review on larviciding in elimination environments in Asia Pacific Poster presented at Challenges in Malaria Research Conference 10-12 October 2012 Basel *Malaria Journal* Volume 11 Suppl 1 (15 October 2012)

Whittaker, M. Smith C, Findings of the literature review on mobility, infectious diseases and malaria Poster presented at Challenges in Malaria Research Conference 10-12 October 2012 Basel *Malaria Journal* Volume 11 Suppl 1 (15 October 2012)

Whittaker, M Applied health services research and its role in intensified malaria control and elimination in the Pacific Poster presented at Malaria 2012 Conference 31 October – 2 November Sydney

Whittaker, M Engaging communities in elimination: needs, approaches and tools Poster presented at Malaria 2012 Conference 31 October – 2 November Sydney

Whittaker, M Australian Centre for International and Tropical Health, University of Queensland on behalf of the ICEMR team The International Centres for Excellence in Malaria Research South West pacific Research programme Poster presented at Malaria 2012 Conference 31 October – 2 November Sydney

Whittaker, M., Smith, C. What do we know about mobility of populations and malaria? Poster presented at Malaria 2012 Conference 31 October – 2 November Sydney

Whittaker, M Putting people back into the disease control programmes: the role of anthropology in ensuring people are the centre of development Paper presented at AAS Conference – 2012 Brisbane 25-28 September 2012

Whittaker, M Engaging communities in elimination: needs, approaches and tools Poster presented at Challenges in Malaria Research Conference 10-12 October 2012 Basel *Malaria Journal* Volume 11 Suppl 1 (15 October 2012)

Whittaker M Applied Health Services Research and its Role in Intensified Malaria Control and Elimination in the Pacific Paper presented QTHA 2012 Conference, Brisbane 16th September 2012

Whittaker, M, Rohan Jayasuriya, Husna Razee, Kichawen Chakumai, Lee Bretnall Lorraine Yap, Tim Martineu, Voices from the field: increasing the understanding of health workers' motivation to work in rural health in PNG SPH Lunchtime Seminar Series

Whittaker, M (Invited speaker) Family Planning – Moving the Agenda Forward Challenges, Approaches and Opportunities TIME Workshop, Brisbane 25 September 2012

Other VINE Outputs of interest in 2012:

Ngo Duc Anh presented a paper on "Challenges in Translation of Research Evidence to Policy: A Case Study in Development of Tobacco Control Policy in Vietnam" at the ASBHM Conference in Melbourne, Australia, in early February 2012.

Bang Nguyen Pham also presented a paper at the European Population Conference 2012 in Stockholm, Sweden, in mid June 2012 on "The Evolution of Population Policy in Vietnam 1961-2011" – please see <http://epc2012.princeton.edu/abstracts/120007>

The VINE Project's culminating event was the satellite session, "Evidence for Health Policy in Vietnam: challenges in research, analysis and translation", at the 2nd Global Symposium on

Health Systems Research in Beijing, China, on 3rd November 2012. Presentations included:

Burden of Disease 2008 in Vietnam by Tran Khanh Long

Interventions to reduce burden of harm from alcohol misuse in Vietnam by Nguyen Minh Tam

Application of WHO-CHOICE for Cost Effectiveness Analysis of Interventions to prevent Cardiovascular disease in Vietnam by Duc Anh Ha

Development of the Law on Tobacco harm prevention in Vietnam: difficulty and success with evidence based policy by Khuong Anh Tuan

Beyond cost-effectiveness: multi-criteria decision analysis to set priorities for tobacco control policy in Vietnam by Higashi Hideke (& poster presentation)

Selected Reports & Other Publications

Byrne, A., Hodge, A., Jimenez-Soto, E., & Morgan, A. (2012). *Build and they will come? Looking beyond supply to demand-side barriers to health service utilisation in the Mountains of Nepal*. Report Commissioned by AusAid (Nepal).

Decoster K, Appelmans A and Hill P. (2012) A Health Systems Research mapping exercise in 26 low- and middle-income countries: Narratives from health systems researchers, policy brokers and policy-makers. Geneva: Alliance for Health Policy and Systems Research. http://www.who.int/alliance-hpsr/alliancehpsr_backgroundpapermappingexercise.pdf

Go4Health (2012) The post-2015 international health agenda: universal health coverage and healthy environment, both anchored in the right to health. Go4Health Position Paper, January 2013.

Hill PS and Buttsworth M. (2012) Final Report: Strengthening the Capacity of Civil Society Organizations to Promote Reproductive Health in the New Aid Environment. Independent Evaluation for the Bill and Melinda Gates Foundation. Geneva: World Health Organization.

Jimenez-Soto E., Alderman K., Hipgrave D., Firth S., & Anderson I. (2012). Prioritization of investments in reproductive, women's and children's health: Evidence-based recommendations for low- and middle- income countries in Asia and the Pacific- a subnational focus. Report prepared for The Partnership for Maternal, Newborn and Child Health (WHO). Available from http://www.who.int/pmnch/topics/part_publications/prioritize_investments/en/index.html

McCoy D, Bruen C, Hill P and Kerouedan D. (2012) The Global Fund: What Next for Aid Effectiveness and Health Systems Strengthening? Nairobi: Aidspace.

Technical reports

Hetzel, MW Box 8.1 Reduction in malaria prevalence following widespread distribution of ITNs

Hetzel MW, Pulford J, Siba PM, Mueller I. Papua New Guinea & The Global Fund Round 8 Malaria Control Programme Evaluation 2009 – 2014: Summary Report on Malaria Parasite Prevalence in Papua New Guinea (2011). Goroka (PNG): Papua New Guinea Institute of Medical Research; February 2012.

Hetzel MW, Pulford J, Ura Y, Morris H, Robinson L, Mueller I & Siba PM. Papua New Guinea/The Global Fund Round 8 Malaria Control Program Evaluation 2009-2014: Report on countrywide household survey 2010/11: Malaria control intervention coverage and prevalence of

parasitaemia. Goroka (PNG): Papua New Guinea Institute of Medical Research; November 2012 (57 pp).

in Papua New Guinea (page 55). In: World Malaria Report : 2012. Geneva: World Health Organization, 2012. (contribution acknowledged)

Pulford J, Angwin A, Thet MM, **Hetzel MW**, Bryant M, Wijesinghe R, Mueller I & Siba PM. Preparatory work towards a pilot of home management of malaria (HMM) in Papua New Guinea: A review of the published literature, a description of selected HMM models currently operating in PNG and findings from in-depth interviews with community members who had recently experienced fever. Goroka (PNG): Papua New Guinea Institute of Medical Research; September 2012 (37 pp).

Pulford J, Oakiva T, **Hetzel MW**, Bryant M, Angwin A, Mueller I, Siba PM. Reported Reasons for not Using a Mosquito Net when one is Available: a Review of the Published Literature and a Compilation of Recent Household Survey and In-Depth Interview Data. Goroka (PNG): Papua New Guinea Institute of Medical Research; March 2012.

Vallely A, Betuela I, Greenhill A, Pomat W, **Hetzel M**, **Pulford J**, Horwood P, Mueller I, Siba P. Papua New Guinea Institute of Medical Research: Scientific Report 2006 -2011. Goroka (PNG): Papua New Guinea Institute of Medical Research; 2012.

Working papers

Whittaker, M., Buttsworth, M 2010 A framework to guide HIS investments: What needs to be synthesised for senior health decision-makers Health Information Knowledge Systems Knowledge Hub — Working Paper Series Number 22, 2012

Radio broadcasts/TV interviews

The Global Body Part Four: The future of the human race - Health Report - ABC Radio National (Australian Broadcasting Corporation)
<http://www.abc.net.au/radionational/programs/healthreport/the-global-body-part-four3a-in-the-last-part-of-the-global-bod/3918004> - 28 Mar 2012 Maxine Whittaker

Correspondents Report - Fake malaria drugs threaten treatment 19/02/2012
<http://www.abc.net.au/correspondents/content/2012/s3434056.htm> - 19 Feb 2012 Maxine Whittaker

Whittaker, M., Jones, M., Helmrich, M., Watson, J UQ Animal-Human Art Exhibition *One Health* panel discussion St Lucia, Brisbane Friday 18 May <http://www.artmuseum.uq.edu.au/animal-human> Podcast

Awards

Manuel Hetzel, R. Geigy Foundation: 7th Rudolf Geigy Award (2012) and Novartis/University of Basel: Excellence Scholarship for Life Sciences (2012)

Annex 4

Grants 2012

New

2012, \$453,002 NH&MRC-European Union Collaborative Research Grants *Formulating New Goals for Global Health, and proposing new Governance for Global Health that will allow the achievement of these goals.* **Hill PS**

2012, €1,998,222 European Commission Research Funding FP7-HEALTH-2012-INNOVATION-1 Go4Health Consortium *Formulating new Goals for Global Health, and proposing new Governance for Global Health that will allow the achievement of these goals* (**Hill PS**, CI for University of Queensland)

Continuing

Manuel Hetzel (PI) AusAID *Artemether-Lumefantrine clinical effectiveness study.* 2008-2013

Manuel Hetzel (PI), **Justin Pulford** (CI) The Global Fund to Fight AIDS, TB and Malaria (Round 8 Grant) *PNG & The Global Fund Round 8 malaria control program evaluation plan* 2009-2014

Justin Pulford (PI), **Manuel Hetzel** The Global Fund to Fight AIDS, TB and Malaria (Round 8 Operational Research grant) *Preparatory work towards a pilot of home management of malaria (HMM) in Papua New Guinea* 2011-2012

Manuel Hetzel (PI), **Justin Pulford** The Global Fund to Fight AIDS, TB and Malaria (Round 8 Operational Research grant) *Quality of anti-malarial drugs at the provider level in Papua New Guinea* 2011-2013

Manuel Hetzel (PI) The Global Fund to Fight AIDS, TB and Malaria (Round 8 Operational Research grant) *Evaluation of the frequency of glucose-6-phosphate dehydrogenase (G6PD) deficiency and genotypic characterisation of deficient phenotypes in populations from four regions of Papua New Guinea.* 2011-2013

Justin Pulford (PI), **Manuel Hetzel** (PI), **Jo-An Atkinson** PNG IMR Internal Competitive Research Award Scheme *Feasibility and acceptability of insecticide treated plastic sheeting (ITPS) for vector control in Papua New Guinea* 2011-2012

Manuel Hetzel (AI) NHMRC *Mapping malaria parasite populations and outbreaks in Papua New Guinea.* 2012-2015

Manuel Hetzel (PI) Esso Highlands Ltd. (Partnership in Health Project) *Molecular Investigation into the Importance of Arboviruses and Rickettsials in the Presentation of Febrile Illness in Papua New Guinea* 2012

Eliana Jimenez-Soto, Kasia Alderman, Andrew Hodge, Alison Morgan, Prathna Dayal, David Hipgrave, Ian Anderson, Development of Framework for integrated implementation of the Global

Strategy for Women's and Children's Health and regional initiatives in Asia WHO (PMNCH) (Short Name: Roadmaps for optimizing RMNCH in SE Asia) US\$95,000 Dec 2011-Jun 2012.

Kazura, J., Ivo Mueller, Tom Burkot, Robert Cooper, Dennis Shanks, Pete Zimmerman, C King, J Aponte, **Maxine Whittaker** Research to control and eliminate malaria in SE Asia and SW Pacific National Institutes of Health US\$9.8 million 2011-2016

Lopez, A., **Maxine Whittaker**, Pacific Malaria Initiative Resource Centre (PacMISC) AusAID 2008-2011 A\$ 11,150,710 extended to December 2013

Whittaker, M AusAID Asia Pacific Malaria Elimination network AusAID \$6.1 million Awarded 2009, Duration 2009- 2013

Hill, P., Alan Lopez, Theo Vos, Chris Doran, Chalapati Rao Developing the Evidence Base for Health Policy, Vietnam. Atlantic Philanthropies A\$ 3,000,000 2006-2011 Extended until December 2012

Jayasuriya, R., **Whittaker, M.**, Glastonbury, I., Razee, H., Yap, L., Sairere, J., Martineu, T Jayasuriya and Whittaker Health worker performance improvement: evidence from an intervention in Papua New Guinea AusAID (ADRA) \$A 623,190 (5 years) 2008 -2012

Vallely, A., Angela Kelly, Lisa Fitzgerald, Peter Siba, **Maxine Whittaker**, John Kaldor Qualitative longitudinal study to investigate masculinity, sexuality and agency among male youth in Papua New Guinea AusAID/National AIDS Council \$A1,287,000 Awarded 2009. Duration 2010-2013

Whittaker, M AusAID Asia Pacific Malaria Elimination network AusAID \$6.1 million Awarded 2009, Duration 2009- 2013