

ANNUAL REPORT 2011

Health Intervention and Technology Assessment Program (HITAP)



HEALTH TECHNOLOGY ASSESSMENT (HTA)

Health Technology Assessment (HTA) means the systematic assessment of the positive and negative impacts that occur from using health-related technology or policies, either in the present or in the future, and may include impacts on health, economy, society, and morale. The assessments are conducted with the objective of obtaining supporting data for consideration in determining national policy or for organizational management, including for use as guidelines in providing health services or improving personal health behavior.

ABOUT HITAP

The Health Intervention and Technology Assessment Program or HITAP was established in 2007 as a non-profit research organization which reports to the Bureau of Policy and Strategy of Thailand's Ministry of Public Health. HITAP's main responsibility is to assess a range of health interventions and technologies, including pharmaceuticals, medical devices, clinical practices, individual and community health promotions and disease prevention, as well as social health policy. HITAP receives its main funding support from 4 public institutions including Thai Health Promotion Foundation, Health Systems Research Institute, National Health Security Office, etc. HITAP also receives specific funding from non-profit organizations to assess health intervention and technology in accordance with the main responsibilities of HITAP.

Appropriate health interventions and technologies for Thai Society

Mission

- To efficiently and transparently appraise health interventions and technologies by using international standard and qualified research methodologies;
- To develop systems and mechanisms in order to promote the optimal selection, procurement and management of health technology as well as appropriate health policy determination;
- To distribute research findings and educate the public in order to make the best use of health interventions and technology assessment results.



Chair of Steering Committee

"HITAP was established just 5 years ago, but it already has many widely accepted work based on the ability of its leaders and the management methods that induce active young staff to be involved in research work. HITAP has produced its international quality work by using a management mechanism to upgrade the work quality and working model." Prof. Vicharn Panic

Proaram Leader

HITAP is now 5 years old and can be likened to an energetic teenager who enjoys a challenge but sometimes lacks experience and still needs to learn. It is fortunate that HITAP has friends, relatives and seniors who cooperate well and kindly teach us, nd I sincerely hope that we continue to receive their kind assistance and hope for the opportunity to perform more important work for Thai and international societies as we have done in 2011." Dr. Yot Teerawattananon





HIGHLIGHT RESEARCH PROJECTS AND ACTIVITIES IN 2011

Research projects in Thailand

• Research for the development of a health benefit package under the universal coverage scheme. There was concern over the previous decision process to include a new intervention in the health benefit package as it was unsystematic and had limited participation from stakeholders. Health benefits at present do not sufficiently cover some necessary health interventions. Therefore, the Subcommittee for the Development of the Benefit Package and Service Delivery of the National Health Security Office assigned HITAP and another research institute - the International Health Policy Program (IHPP) - to systematically and transparently run a research project to develop the health benefit package based on technical principles and comments from stakeholders in the health system, i.e., representatives of policy decision makers, health professionals, academics, patients, civil societies, industry, and the general population.

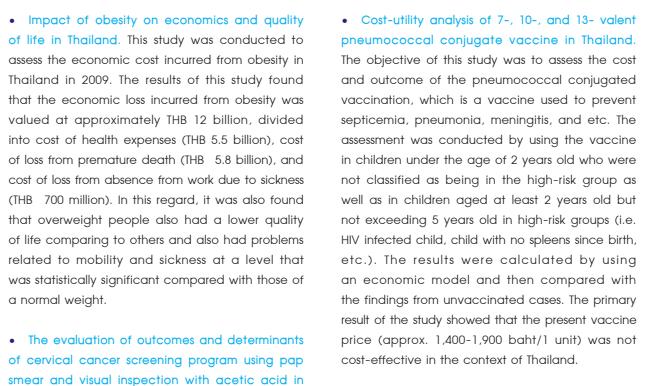
• A feasibility study of allogeneic hematopoietic stem cell transplantation for severe thalassemic patients covered by the universal coverage scheme. The important finding from the previous study was that the hematopoietic stem cell transplantation was more cost-effective than blood transfusion combined with iron chelating therapy, especially in cases where the donor of the stem cells was a sibling of the patient. According to the limited numbers of health care providers, this recent study assesses current and future capacities of the supply side, and applies medical criteria for selecting/ prioritizing the patients for this service.



• Economic evaluation of selective health promotion programs under the Thai Health Promotion Foundation (ThaiHealth). This study consisted of 2 sub-studies, the first of which was the development of guidelines to determine the goals and indicators of the ThaiHealth whereby the results of the study revealed that if it was possible to prevent a case of 1 new smoker and 1 new drinker, the country would reduce its economic loss (from premature deaths, absence from work, etc.) by an amount equal to THB 85,000-158,000 and THB 19,000-280,000 respectively. The second study was an assessment of the willingness-to-pay of a household to assess the value of health promotion programs in terms of monetary units under 6 plans, i.e., Alcohol Consumption Control; Tobacco Consumption Control; Traffic Injuries and Disaster Prevention; Physical Activity and Sport for Health; Health Risk Factor Control (Nutrition); and Social Marketing. The results found that most of the population valued the health promotion plans of the ThaiHealth to continue its work such that the total value of the willingness-to-pay was higher than the cost of the plans by ThaiHealth.

a normal weight.

of cervical cancer screening program using pap cost-effective in the context of Thailand. smear and visual inspection with acetic acid in Thailand. After the Ministry of Public Health introduced a policy to develop the quality and coverage of cervical cancer screening services, HITAP studied several factors impacting service accessibility in target groups (i.e., females between 30-60 years old), as it was found that between 2008-2009, 68% of the target group attended the screening service, which was significantly increased from preceding years. In this regard, there were several factors that promoted service accessibility, i.e., announcements in the media, the spread of information about the disease and screening, and the solicitation of family members. In addition, factors inhibiting service accessibility were also found, such as negative attitude towards screening,









esearch projects conducted jointly with international

• A feasibility study of the Community Health Initiative for Maternal and Child Health in Myanmar. This project was a cooperative effort among the Department of Health, Union of Myanmar, the WHO, and HITAP. The project aimed to develop new health financing options with the goal to improve maternal and child health services by using a demand-side financing to reduce expenses and also used communication measures to enable the target female group to realize the importance of free public health service access with medical personnel, such as antenatal care (4 visits), delivery, post-natal care (1 visit), and other expenses incurred in traveling to receive the service. The ultimate objective of the study was to support the expansion of opportunities for women of a reproductive age to access the service system and to reduce the mortality rates of mother and child.

 Collaborative research project to determine willingness-to-pay per quality-adjusted life year across 3 countries in Asia: WTP/QALY in Asia. The economic value is one important factor influencing the health care resource allocation decisions. In this regard, determining a value for a QALY in the context of a country was necessary for such decision making. In 2008, HITAP surveyed 1,191 Thais from 9 provinces to determine the willingness-to-pay per healthy year (QALY) to be used as a threshold for health care decision making. Such a study, however, had several restrictions, such as the health condition used for assessment, ceiling effect, and representativeness of the sample group. This ongoing project is one of a number of projects conducted under the newly-established collaboration "HTAsiaLink^{1''}. The aims of this new research project is to determine a value of a QALY among the following 3 countries in Asia; Japan, South Korea, and Thailand.

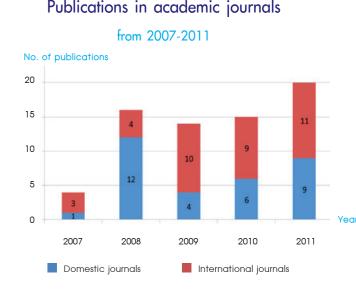
the WHO with the aim of assessing

• Systematic review of economic pandemic preparedness and solutions through their resources.

evaluations on preparedness and response guidance and other This project employed literature interventions against influenza international policy makers reviews and interviews with pandemics. This project was interested in allocating resources stakeholders in order to develop commissioned and supported by for future influenza pandemics. a suitable concept of assessing the value for money of social the results from economic • Using a capability index to complex interventions. A questionevaluations of preparedness determine the value for money naire using capability index to strategies and interventions to of the AIDS Competence Process determine the value for money control and prevent influenza in Thailand. This project is to was developed and tested in pandemics. The authors of this develop a methodological Chiang Mai. The results of the test comprehensive systematic review framework for assessing the revealed that this developed analyzed a large number of cost-effectiveness of the AIDS framework is feasible and relevant bibliographic databases Competence Process (ACP) and practical. Comparing costs and and search engines in order to applying it retrospectively for outcomes of the ACP using various compile empirical evidence, implementation in Thailand. scenarios, it is found that the ACP which was later synthesized to ACP by the Constellation is is likely to be very cost-effective facilitate its translation in a community-driven approach in Thailand. It not only reduces decision-making. The findings are to respond to the HIV/AIDS AIDS infection in high-risk groups expected to be used to provide challenge by the people but also enhances the quality of updated information for the WHO themselves by applying their own life of people in the community.

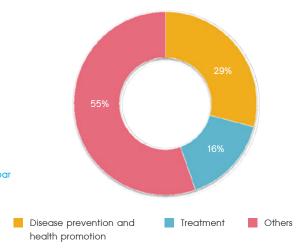
EXAMPLE OF RESEARCH DISSEMINATION IN 2011

Research projects	Policy decision making fora	Academic conferences		Publication in academic journals		
		Oral presen- tations	Poster presen- tations	International journals	Domestic journals	Mass media
Economic evaluation of drug treatments in patients with Chronic Hepatitis B (CHB)	Х					
Development of an optimal policy strategy for prevention and control of cervical cancer in Thailand	Х	Х	Х	Х		Х
Economic evaluation of absorbent products for urinary and fecal incontinence among disabled and elderly people in Thailand	Х					
Cost-Utility analysis of hematopoietic stem cell transplantation for severe thalassemic patients	Х			Х		
Formulating policy recommendations to alleviate health problems among people living around industrial areas in Thailand: a case study of leukemia	Х			Х		
Accessing the impact of health promotion interventions using social marketing strategies among construction and factory workers		Х			Х	
Economic evaluation on screening strategies and treatment options for postmenopausal osteoporosis	Х			Х		
Pursuing evidence-based policy in the health sector: The case of iodine supplementation for pregnant women in Thailand	Х				Х	



Research projects

from 2007-2011







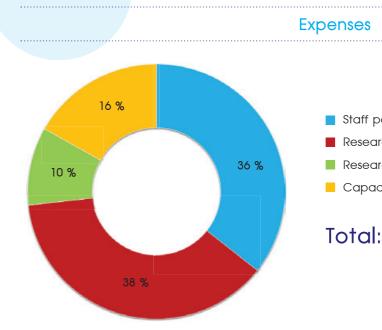
HEALTH INTERVENTION AND TECHNOLOGY ASSESSMENT PROGRAM

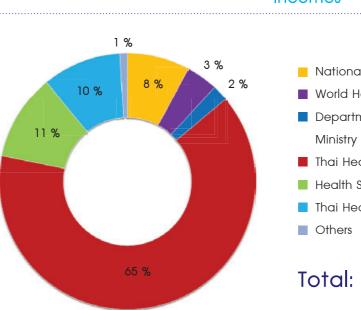
 6^{th} Floor, 6^{th} Building, Department of Health, Ministry of Public Health, Tiwanon Rd., Muang, Nonthaburi 11000, Thailand Tel: +662-590-4549, +662-590-4374-5 Fax: +662-590-4369 E-mail: hitap@hitap.net Website: www.hitap.net













- Staff payment
- Research projects
- Research fund
- Capacity building and networking

Total: THB 33 million

Incomes

National Health Security Office (NHSO) World Health Organization (WHO) Department of Disease Control, Ministry of Public Health, Thailand Thai Health Promotion Foundation (ThaiHealth) Health Systems Research Institute (HSRI) Thai Health-Global Link Initiative Project (TGLIP)

Total: THB 37 million

HIGHLIGHT ACTIVITIES IN 2011



2010

Research development activities

Capacity building activities (Journal club)

Other activities



Journal club on the topic of `Tambon Health Promotion pital Policy' by Dr. Supakit Sirila (Director, Bureau of Policy and Strategy, Ministry of Public Health).

February

January

HITAP researchers joined 'The Asian Symposium on Value for a QALY', organized by National Evidence-based lealthcare Collaborating Agenc (NECA), South Korea.



HITAP welcomed researchers from the Center for Community Empowerment and Health Policy umanities Surabaya, National Institut r Health Research and Developme (NIHRD), Indonesia.





under the universal coverage scheme.





The consultation meeting o ner patients' was held und e collaborative of the Alzheime Disease and Related Disorde Association (ARDA) and HITA



The academic seminar on `Hot issues related to Health Technology Assessment (HTA) in United Kingdom, South Korea, and Thailand' was held.



The external reviewers from ted Kingdom, South Korea, and Thailan presented the preliminary results on The Evaluation of The Technology and Policy Assessment Program for Health Resource Allocation'.

2012

September

October

November

December

he study on `T<mark>he suggestio</mark>r

for research management in developing the emergency medical institute of Thailand' was presented.

The workshop on `Economic evaluation and health communication campaigns r maternal and child health voucher scheme was held for Myanmar health officers in the Union of Myanmar.







8 December 2011 Health system research topics prioritization of Thailand 2012



PP and HITAP researc ized a topic select eating under the resear ect on the developmen alth benefit package un he universal coverag scheme.

