



國立臺灣大學公共衛生學院

COLLEGE OF PUBLIC HEALTH, NTU

臺大102學年度評鑑工作人員說明會暨研習課程

如何藉由共同評鑑，推升受評 單位國際化

陳為堅 院長
公共衛生學院

103年3月20日

報告大綱

- 一、院、所、學程聯合評鑑之基礎
- 二、受評目標及策略訂定
- 三、評鑑準備
- 四、評鑑期作業
- 五、評鑑成效
- 六、結論



國立臺灣大學公共衛生學院

COLLEGE OF PUBLIC HEALTH, NTU

一、院、所、學程聯合評鑑之 基礎



聯合評鑑之基礎

- 提高眾多受評單位資料蒐集的效率
 - － 學院、健管所、流預所、公衛碩士學位學程，約2/3 單位
 - － 未受評單位仍需配合資料收集、師生也需參與部分評鑑工作
- 學科領域上有了清晰的共同架構
 - － 本院所有專任教師都是公衛系及MPH學程的教師
- 強化國際化的目標
 - － 邀請國際知名公衛學界人士來替臺大評鑑，將讓他們有第一手的認識機會，也讓我們可以更清楚知道要努力的方向



國立臺灣大學公共衛生學院

COLLEGE OF PUBLIC HEALTH, NTU

二、受評目標及策略訂定

(一)聯合評鑑目標設定

- 於主管會報議決聯合評鑑目標
 - － 藉外部評量了解受評單位可改善之方向
 - － 推升國際化
 - － 做為學院申請美國Council on Education for Public Health (CEPH) 認證 (accreditation) 的熱身
 - － 動員全院師生同仁一起參與，凝聚發展共識

(二)策略訂定

1. 評鑑委員全部為外籍專家：美、日、韓、香港學者，最好有多位外國公衛學院院長參與，完全用國際的視野來評鑑本院整體發展。
2. 資料文件全面以英文撰寫：加速本院的資訊國際化。
3. 院課程委員會事先協調安排當週各種課程之主題：全設為國際學術交流，讓全院師生可以充分參與座談、演講。
4. 雙向交流：邀請所有鑑委委員做專題演講，並讓學生撰寫心得。



國立臺灣大學公共衛生學院

COLLEGE OF PUBLIC HEALTH, NTU

三、評鑑準備

一、組織 (1)

- 1. 院級評鑑委員會

- 組成

- 由各主管組成

- 任務

- 評鑑委員之推薦 (9-11月)

- 考慮不同國家及專業背景之評鑑委員，各受評單位依序排出約9名評鑑委員送校核定
 - 依序 e-mail 給排名前幾名委員; 委員如無法前來評鑑，在往下聯繫之後的委員。

- 自評報告之審議
 - 評鑑活動之安排

組織 (2)

- 2. 院級評鑑工作小組

- 組成

- 由院長召集院、系、所、學程相關同仁參與，陸續召開5次會議 (10月至隔年2月)

- 任務

- 校定評鑑格式及內容之定義
 - 各類資料分工及彙整期限
 - 資料補正——期間持續 e-mail 與各單位溝通
 - 評鑑日之工作分工

例子: 評鑑日工作分工

1. 協調：春蘭秘書。
2. 手冊匯集：年真老師、培君老師、筱芸、筠馨、受評所。
3/11初稿，3/13完稿送印。
 - (1)評鑑手冊 (培君老師)：目錄、時程、評鑑委員簡介、受評單位簡報、教師簡介、中心簡介
 - (2)研討會手冊 (年真老師)：時程、評鑑委員簡介、ppt
3. 設備：俊雄、劉雅婷、聖濠。
4. 庶務、餐點：俊雄+受評所。
5. 住宿車輛：昀璇。
6. 帳務：淑宜+受評所。

組織 (3)

- 3. 受評單位評鑑委員會

- 組成

- 各自召集會議
 - 一般以所務或學程會議行之

- 任務

- 決定簡報、教師與評鑑委員座談方式
 - 與評鑑委員座談之學生對象設定及座談方式
 - 健管所：教師推薦具語文能力及對教、學務等教友參與及熱心者
 - 流預所：開放同學參與，擴大學生與評鑑委員接觸機會
 - 庶務分工等

二、評鑑委員之推薦及邀請





- 各受評單位提出推薦人選
 - － 每份名單中，至少有一些人選要與另一單位重疊
 - 院的委員都要到其他另一教學單位
 - 每位委員都要到二個單位
 - 每個受評單位要建議一位召集人
- 彙整後之委員名單
 - － 公衛學院: C1 - C12
 - － MPH學程: M1- M10
 - － 流預所: E1 – E9
 - － 健管所: H1 – H9

例1: 院評鑑委員推薦名單

1

台大公衛學院學院評鑑 評審委員推薦名單

2012 年 9 月 14 日

編號	姓名及照片	服務單位及職稱	專長	e-mail/Tel
C1.	<p>Martin Philbert, Ph.D.</p> 	<p>Dean, School of Public Health University of Michigan</p>	<p>Professor of Toxicology</p>	<p>1822 SPH I  1415 Washington Heights Ann Arbor, Michigan 48109-2029 E-mail: philbert@umich.edu</p>
C2.	<p>Howard Frumkin, MD, DrPH</p> 	<p>Dean of the School of Public Health University of Washington</p>	<p>Climate change and health, Energy policy and health, The Built Environment and health</p>	<p>Box 357230, Seattle, WA 98195 206- 543-1144 (phone) 206-543-3813 (fax) publichealth@uw.edu frumkin@uw.edu</p>
C3.	<p>John R. Finnegan, Jr., PhD</p> 	<p>Dean, School of Public Health University of Minnesota</p>	<p>Media communication and public health; community campaigns; the "Knowledge Gap" and health outcomes; digital information technology and its impact on public health</p>	<p>SPH Dean's Office, Mayo Building MMC 197, 420 Delaware St SE Minneapolis, MN 55455 Email: sphdean@umn.edu</p>

例2: 健管所評鑑委員推薦名單

台大公衛學院健管所評鑑 評審委員推薦名單

2012 年 9 月 14 日

編號	姓名及照片	服務單位及職稱	專長	e-mail/Tel
H1.	John R. Finnegan, Jr., PhD 	Dean, School of Public Health University of Minnesota	Media communication and public health; community campaigns; the "Knowledge Gap" and health outcomes; digital information technology and its impact on public health	SPH Dean's Office, Mayo Building MMC 197, 420 Delaware St SE Minneapolis, MN 55455 Email: sphdean@umn.edu
H2.	Bong-Min Yang, PhD 	Professor and Executive Director, Institute of Health and Environment, School of Public Health, Seoul National University. (former Dean)	health economics and health care systems	Location: Room no. 407, Bldg. 221 TEL: +82-2-880- 2762 Email: bmyang@snu.ac.kr
H3.	Thomas T. H. Wan, Ph.D. 	Professor and Director, Doctoral Program in Public Affairs Associate Dean for Research College of Health and Public Affairs University of Central Florida	Public Affairs, Health Management & Informatics, and Medicine	thomas.wan@ucf.edu

評鑑委員之邀請

- 邀請信: 內容要點
 - 電子郵件之主旨很重要
 - 跟受邀者的關係
 - 評鑑任務 (包含參與評鑑單位, 及公開演講邀請)
 - 解釋台大評鑑制度
 - 機費補助, 旅館住宿
 - 挑選日期

RE: On-site Reviewer Invitation for the College of Public Health at National Taiwan University

October 25, 2012

Professor Martin Philbert, Ph.D.
Dean, School of Public Health, University of Michigan
Professor of Toxicology
1822 SPH, 1415 Washington Heights
Ann Arbor, Michigan 48109-2029
E-mail: philbert@umich.edu

Dear Professor Philbert:

Greeting from Taipei! It has been almost 7 months since our last meeting in the Regent Taipei in March. We have been exploring possibilities of collaboration between the two institutions. Now it comes an opportunity for us to invite you to Taipei for a deeper understanding of my college.

On behalf of the College of Public Health, National Taiwan University, I would like to invite you to serve as a member of the committee for the evaluation of the **college and MPH** program in March, 2013, and give a short-talk if possible.

Such an evaluation, normally held every 5 years, is essential to the improvement of our teaching and research quality, as well as the formulation of professional guidelines for future development of the college and MPH program. Having learned about your renowned academic achievement and extensive administrative experiences, we believe that your involvement in this procedure will definitely be helpful to achieve our goals.

The evaluation will require **three full working days**. A round-trip business-class air ticket and per diem of around **US\$200 (excluding 18% tax) for 3 working and up to 2 traffic days** will be paid by NTU. Should you be able to accept my invitation, **Please check the available dates below** for your traveling to Taiwan (**traffic days will be added extra**) and **e-mail back to me or my secretary Ms. Cheng-Lan Su (SUCL99@NTU.EDU.TW) by October 30, 2012.**

1. () **March 4 to 6 (Monday to Wednesday)**
2. () **March 18 to 20 (Monday to Wednesday)**

It would be of our great honor if you will accept the invitation. Thank you very much for your time and I look forward to hearing from you soon and let you know the final dates as soon as possible.

With best regards,

Wei J. Chen, M.D., Sc.D.

RE: On-site Reviewer Invitation for the College of Public Health at National Taiwan University

October 25, 2012

Professor John R. Finnegan, Jr., PhD
Dean, School of Public Health
University of Minnesota
SPH Dean's Office, Mayo Building
MMC 197, 420 Delaware St SE
Minneapolis, MN 55455
Email: sphdean@umn.edu

Dear Professor Finnegan:

Greetings from Taipei! First of all, I'd like to explain why I send you this invitation letter. Many of my colleagues, including my Associate Dean Dr. Chang-Chuan Chan, have told me that they met you in a variety of occasions and you have been very kind to be willing to offer help for us. Now there is an opportunity for us to invite you to Taipei for a deeper understanding of my college.

On behalf of the College of Public Health, National Taiwan University, I would like to invite you to serve as a member of the committee for the evaluation of the **college and Institute of Health Policy & Management** in March, 2013, and give a short-talk if possible.

Such an evaluation, normally held every 5 years, is essential to the improvement of our teaching and research quality, as well as the formulation of professional guidelines for future development of the college and Institute of Health Policy & Management. Having learned about your renowned academic achievement and extensive administrative experiences, we believe that your involvement in this procedure will definitely be helpful to achieve our goals.

The evaluation will require **three full working days**. A round-trip business-class air ticket and per diem of around **US\$200 (excluding 18% tax) for 3 working and up to 2 traffic days** will be paid by NTU. Should you be able to accept my invitation, **Please check the available dates below** for your traveling to Taiwan (**traffic days will be added extra**) and **e-mail back to me or my secretary Ms. Cheng-Lan Su (SUCL99@NTU.EDU.TW) by October 30, 2012.**

1. () **March 4 to 6 (Monday to Wednesday)**
2. () **March 18 to 20 (Monday to Wednesday)**

It would be of our great honor if you will accept the invitation. Thank you very much for your time and I look forward to hearing from you soon and let you know the final dates as soon as possible.

With best regards,

Wei J. Chen, M.D., Sc.D.

整理連絡情形

101 學年度公衛學院、健康政策與管理研究所、流行病學與預防醫學研究所、
公共衛生碩士學位學程評鑑評審委員——11 位，均為外國籍

受評	姓名及照片	職稱、專長、研討會講題	地址、e-mail	抵達飛機/房號	離開飛機	其他(單據、CV)
1.學院 2.碩士學位學程	Martin Philbert, Ph.D. 	Dean, School of Public Health University of Michigan Professor of Toxicology <u>NanoMedicine, NanoToxicology, NanoHealth?</u>	1822 SPH, 1415 Washington Heights, Ann Arbor, Michigan 48109-2029, USA E-mail: philbert@umich.edu	Hotel Reservation Number 264674 3/17 DL 275 PM 21:25 Terminal 2	3/21 DL 276 AM 9:40 Terminal 2	單據: MPH CV:
1.學院 2.健康	John R. Finnegan, Jr., PhD 	Dean, School of Public Health University of Minnesota Media communication and public health; community campaigns; the "Knowledge Gap" and health outcomes; digital information technology and its impact on public health <u>Framing the Next Hundred Years</u>	SPH Dean's Office, Mayo Building, MMC 197, 420 Delaware St SE, Minneapolis, MN 55455, USA Email: sphdean@umn.edu	Hotel Reservation Number 264673 3/16 DELTA 275 21:25 pm Terminal: 2	3/21 DELTA 276 9:40 am Terminal: 2	單據: 淑宜 CV:

名單確定之後

- 整理成表
- 請校長發英文聘書

I. The Assessment Committee of College of Public Health (CPH):

Prof. John R. Finnegan, Jr., PhD (Coordinator of the Committee), Dean, School of Public Health, University of Minnesota
Prof. Martin Philbert, PhD, Dean, School of Public Health, University of Michigan
Prof. Ayman El-Mohandes, MBBCh, MD, MPH, Dean, College of Public Health, University of Nebraska Medical Center
Prof. Soonman Kwon, PhD, Dean, Graduate School of Public Health, Seoul National University
Prof. Thomas T. H. Wan, Ph.D., MHS, Associate Dean for Research, College of Health and Public Affairs, University of Central Florida
Prof. Masamine Jimba, MD, PhD, Department of International Community Health, Graduate School of Medicine, University of Tokyo

II. The Assessment Committee of MPH Degree Program (MPH):

Prof. Martin Philbert, PhD (Coordinator of the Committee), Dean, School of Public Health, University of Michigan
Prof. Ted Chen, PhD, Department of Global Community Health and Behavioral Sciences, School of Public Health and Tropical Medicine, Tulane University
Prof. Tun-Hou Lee, PhD, Department of Immunology and Infectious Diseases, Harvard School of Public Health
Prof. Kiang Liu, PhD, Department of Preventive Medicine and Division of General Internal Medicine and Geriatrics, Feinberg School of Medicine, Northwestern University
Prof. Jin Ling Tang, MD, PhD, Professor and Associate Director, The Jockey Club School of Public Health and Primary Care, The Chinese University of Hong Kong
Prof. Yasuo Ohashi, PhD, Chief Director /Professor, Department of Biostatistics, School of Public Health, University of Tokyo

III. The Assessment Committee of Institute of Health and Policy Management (HPM):

Prof. Thomas T. H. Wan, Ph.D., MHS (Coordinator of the Committee), Associate Dean for Research, College of Health and Public Affairs, University of Central Florida
Prof. John R. Finnegan, Jr., PhD, Dean, School of Public Health, University of Minnesota
Prof. Soonman Kwon, PhD, Dean, Graduate School of Public Health, Seoul National University
Prof. Ted Chen, PhD, Department of Global Community Health and Behavioral Sciences, School of Public Health and Tropical Medicine, Tulane University
Prof. Masamine Jimba, MD, PhD, Department of International Community Health, Graduate School of Medicine, University of Tokyo

IV. The Assessment Committee of Institute of Epidemiology and Preventive Medicine (EPM):

Prof. Ayman El-Mohandes, MBBCh, MD, MPH (Coordinator of the Committee), Dean, College of Public Health, University of Nebraska Medical Center
Prof. Tun-Hou Lee, PhD, Department of Immunology and Infectious Diseases, Harvard School of Public Health
Prof. Kiang Liu, PhD, Department of Preventive Medicine and Division of General Internal Medicine and Geriatrics, Feinberg School of Medicine, Northwestern University
Prof. Jin Ling Tang, MD, PhD, Professor and Associate Director, The Jockey Club School of Public Health and Primary Care, The Chinese University of Hong Kong
Prof. Yasuo Ohashi, PhD, Chief Director, Department of Biostatistics, School of Public Health, University of Tokyo

三、資料蒐集及自評報告撰寫

- 校方的自評報告格式
 - 完全以中文表格方式設計
 - 不合英文評鑑之用
 - 改採美國 Council on Education for Public Health (CEPH) 的自評報告格式
- 須寄給委員之文件
 - 受評單位之自評報告
 - 共同附錄
- 來台後提供資料
 - 聯合評鑑手冊

自評報告的難題

- 內容
 - 有不少具台灣特色之制度
 - 如學生入學方式、教師評鑑制度等
 - 須用較多文字說明
 - 有些表格太過細項, 未來可考慮改列附件
- 時程
 - 自10月至隔年2月

National Taiwan University

College of Public Health

Self-Study Report



2013

National Taiwan University

College of Public Health

Institute of Epidemiology and Preventive
Medicine

Self-Study Report



2013

National Taiwan University

College of Public Health

Master of Public Health Degree Program

Self-Study Report



2013

National Taiwan University

College of Public Health

Common Appendices of Self-Study Report



2013

National Taiwan University

College of Public Health

Institute of Health Policy and Management

Self-Study Report



2013

Table of Contents

Introduction.....	1
Part I. Summary of Recommendations and Improvements of Previous Recommendations from the Evaluation Council and Improvements.....	4
1. Previous External Review Report in 2006.....	4
2. Summary of previous recommendations and improvements that have been done.....	10
Part II. Current Evaluation	13
1. Overview	17
2. Institutional Context	17
2.1 Strategic Planning	22
2.2 Administration	22
2.3 SWOT Analysis	26
2.4 Mission and Goals	29
Figure S2-1. The functional relationship within the College: interrelationship of discipline, institute, program, and department.....	19
Figure S2-2. The organization chart of College of Public Health, NTU.....	22
Table S2-1. Quantitative data about international academic exchange, 2010-2012	21
Table S2-2. Comparison in performance in 2011 between CPH and its benchmark, UCLA	21
Table S2-3. The number of graduate students participating in teaching assistance at CPH in academic year 2011.....	26
Table 2-1a. Number of students, full-time faculty and student-faculty ratio for NTU in the last three academic years.....	35
Table 2-1b. Number of students, full-time faculty and student-faculty ratio for CPH in the last three academic years.....	35
Table 2-2. Teaching and Research outcomes of all colleges for the last three years	36
Table 2-3. Academic Partnerships of College of Public Health, NTU.....	39
3. Data for Review	43
3.1 Human Resources	43
3.2 Facilities and Resource	44
Table S3-1. The number of academic assistants, staff, post-doctoral fellow, and research assistants in CPH and its teaching units, 2012.....	44
Table 3-1. The Faculty of CPH, NTU: sort by department/academic rank/last	50

name	
Table 3-2. Background Statistics of the Faculty Members of CPH, NTU, 2012 ...	56
Table 3-3. Inventory of the Equipment and Facilities of CPH, NTU	57
Table 3-4. Space of CPH, NTU, 2012.....	61
Table 3-5. Budget Inventory of CPH, NTU, 2008-2012.....	62
Table 3-5a. University-allocated Budget for the College.....	62
Table 3-5b. The Budget from Research Projects or Special Grants for CPH, 2008-2012.....	63
4. Review Content	64
4.1 Academic Activities	64
4.2 Teaching and Counseling	67
4.3 Services and Extensions	73
Table S4-1. Number of conference held by CPH, 2008-2012.....	64
Table S4-2. Number of research grants awarded to CPH, 2008-2012.....	65
Table S4-3. CPH students who participated in international exchange or internship, 2011-2012.....	67
Table S4-4. Distribution of Evaluation Scores for Required Courses in NTU and CPH in Spring 2012.....	73
Table 4-1. Visits of International Scholars to CPH, NTU, 2008-2012.....	77
Table 4-1-1. Hosted by Institute of Health and Policy Management (HPM) or Health Promotion Research Center, 2008-2012.....	77
Table 4-1-2. Hosted by Institute of Epidemiology and Preventive Medicine (EPM), Center for Genes, Environment and Human Health, or DOH-NTU Infectious Diseases Research and Education Center, 2008-2012.....	81
Table 4-1-3. Hosted by Institute of Occupational Medicine and Industrial Hygiene or Institute of Environmental Health, 2008-2012.....	87
Table 4-1-4. Hosted by Global Health Center or its former (International Health Center), 2008-2012.....	89
Table 4-2. CPH Full-Time Faculty Participating in International Scholastic Activities, 2008-2012	103
Table 4-2-1. HPM Faculty Participating in International Scholastic Activities, 2008-2012.....	103
Table 4-2-2. EPM Faculty Participating in International Scholastic Activities, 2008-2012.....	115
Table 4-2-3. EH Faculty Participating in International Scholastic Activities, 2008-2012.....	143
Table 4-2-4. OMIH Faculty Participating in International Scholastic Activities, 2008-2012.....	147

Part II. Current Evaluation

1. Overview

Evaluation Items and Self-evaluation (Describe the strengths, weaknesses, and improvement made according to the suggestions in the last evaluation)

1.1 Institutional Context

College of Public Health (CPH) at National Taiwan University (NTU) consists of 6 teaching units, including Department of Health (DPH), Institute of Health Policy and Management (HPM), Institute of Epidemiology and Preventive Medicine (EPM), Institute of Occupational Medicine and Industrial Hygiene (OMIH), Institute of Environmental Health (EH), and Master of Public Health Degree Program (MPH). The mission of College of Public Health (CPH) at National Taiwan University (NTU) is to improve the health of populations worldwide by devoting to education, research and service. The vision CPH is to be a leading institution that fosters future public health professionals and leaders with sound scientific reasoning and humane caring, pursues innovation and excellence, and is dedicated to developing effective solutions to public health issues. CPH has set its educational goals to transform itself into an educational institution that meets the challenges in the increasingly globalized world by adopting the guidelines of US Council on Education for Public Health (CEPH). This will help booster the globalization of CPH's educational programs further and render it play a more active role in Asia-Pacific regional public health development. CPH currently provides a bachelor's degree program (DPH), 5 master's degree programs (HPM, EPM, OMIH, EH, and MPH), and 4 doctoral degree programs (HPM, EPM, OMIH, and EH). The curricula of each degree program is designed based on the five core competencies of public health, including Epidemiology and Preventive Medicine, Biostatistics, Health Services Administration, Social and Behavioral Sciences, and Environmental Health Sciences. For both undergraduate and graduate programs, their subject areas share common cores but with different depths and differential emphasis on specialty. CPH has chosen University of California, Los Angeles (UCLA) School of Public Health as its benchmark. Based on SWOT analysis, the developmental strategies of CPH include organizational restructure (a new inter-college Statistical Sciences Master Degree Program, a new Institute of Health Behavior and Community Sciences, and a consolidated Institute that is a merger of the current OMIH and EH), obtaining the accreditation by CEPH within 2 years from now, and expanding the globalization of our educational system (a new PhD program in global health), among others.

1.2 Data for Review

Currently CPH has 48 full-time faculty members and 6 full-time project faculty members, including 25 Professors, 13 Associate Professors, 10 Assistant Professors, and 6 Project Assistant Professors. All faculty members have a PhD or ScD degree (32 from the US, 3 from the UK, and 12 of them have an additional professional degree MD or DDS). Their fields of expertise cover the core fields of public health. The number of students is around 560 graduate students (about 200 doctoral and the remaining master's degree students) and 180 undergraduate students. The student-to-faculty ratio of CPH was around 15.7 (project faculty included) and 17.6 (project faculty included) in 2011, close to the average figures of NTU as a whole. The staff of CPH consists of 15 regular and project staff members, 6 academic

For undergraduate students, there are no formal divisions among subject areas. Starting in the third year, students choose one area of concentration from four: Biostatistics, Epidemiology and Preventive Medicine, Health Policy and Management, and Environmental and Occupational Health. Starting in 2012, one more option in area of concentration for undergraduate students is Global Health, which requires students to learn second foreign language and spend at least one period of time in foreign countries either as exchange students or conducting an internship. The graduates of DPH have been a stable source of high-quality, full-time students for the graduate institutes of CPH.

For graduate students, CPH currently offers both MS and PhD degree programs in four institutes and MPH degree in MPH Degree Program. As shown in Figure S2-1, the subject areas basically center on the five competencies of public health. However, the faculty members for the subject areas in Biostatistics and Health Behavior are relatively small. That is the major reason that we set the goal to establish a new Institute of Health Behavior and Community Sciences, and join a new Statistical Sciences Master Degree Program (in collaboration with other colleges of NTU).

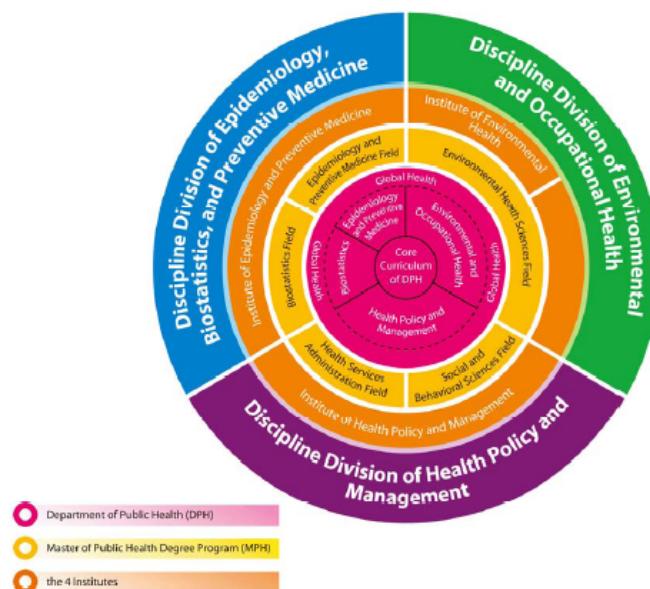


Figure S2-1. The functional relationship within the College: interrelationship of discipline, institute, program, and department

Table 3-1. The Faculty of CPH, NTU: sort by department/academic rank/last name

Updated 2013.1.22

Department	Name	Academic Rank/Since	Tenure Status ^a	FTE or %Time	Gender	Race	Degree/Year Earned	Institution	Discipline
EH/DPH	Ching-Wen Chang (張靜文)	Professor 2012.8	Tenure-Track	0.5/0.5	Female	Asian	Ph.D., 1994	University of Cincinnati	Industrial Hygiene
EH/DPH	Chia-Yang Chen (陳家揚)	Professor 2011.8	Tenure-Track	0.5/0.5	Male	Asian	Ph.D., 2000	University of North Carolina at Chapel Hill	Environmental Sciences
EH/DPH	Shih-Wei Tsai (蔡詩偉)	Professor 2009.8	Tenure-Track	0.5/0.5	Male	Asian	Ph.D., 1998	University of California, Los Angeles	Environmental Health Sciences
EH/DPH	Gen-Shuh Wang (王根樹)	Professor 2003.8	Tenure-Track	0.5/0.5	Male	Asian	Ph.D., 1994	State University of New York at Albany	Environmental Health & Toxicology
EH/DPH	Yee-Chung Ma (馬一中)	Associate Professor 1997.2	Tenure-Track	0.5/0.5	Male	Asian	Ph.D., 1992	University of Delaware	Environmental Health, Analytical Chemistry
EH/DPH	Ching-Yu Lin (林靖倫)	Assistant Professor 2008.2	Non-Tenure	0.5/0.5	Female	Asian	Ph.D., 2007	University of California, Davis	Pharmacology & Toxicology
EH/DPH	Chen-Yu Liu (劉貞佑)	Assistant Professor 2012.2	Non-Tenure	0.5/0.5	Female	Asian	Sc.D., 2007	Harvard University	Environmental Health
EH/DPH	Kun-Hsien Tsai (蔡坤憲)	Assistant Professor 2012.8	Non-Tenure	0.5/0.5	Male	Asian	Ph.D., 2004	National Taiwan University	Vector Control
EPM/DPH	Shu-Hui Chang (張淑惠)	Professor 2004.8	Tenure	0.5/0.5	Female	Asian	Ph.D., 1995	Johns Hopkins University	Statistics
EPM/DPH	Hsiu-Hsi Chen (陳秀熙)	Professor 2002.8	Tenure	0.5/0.5	Male	Asian	Ph.D., 1995 D.D.S., 1986	Cambridge University; Taipei Medical University	Biostatistics
EPM/DPH	Wei J. Chen (陳為堅)	Professor 1997.8	Tenure	0.5/0.5	Male	Asian	Sc.D., 1992 M.D., 1984	Harvard University; National Taiwan University	Psychiatric and Genetic Epidemiology
EPM/DPH	Wei-Chu Chie (李瑋珠)	Professor 1998.8	Tenure	0.5/0.5	Female	Asian	Ph.D., 1989 M.D., 1981	National Taiwan University	Clinical Epidemiology
EPM/DPH	Kuo-Liong Chien (簡國龍)	Professor 2010.8	Tenure-Track	0.5/0.5	Male	Asian	Ph.D., 2000 M.D., 1988	National Taiwan University	Cardiovascular Epidemiology



國立臺灣大學公共衛生學院

COLLEGE OF PUBLIC HEALTH, NTU

四、評鑑期間作業

評鑑期間活動安排

- 單位簡報
 - － 受評單位主管
- 教師簡介
 - － 教師事先繳交二頁簡報檔，當天自行介紹自己教學與研究
- 教師座談
 - － 委員與受評單位主管以外的其他全體老師座談
- 學生座談
 - － 大部分均採同一學程集體座談的方式
- 實地參訪
 - － 公衛學院各項實驗室與電腦教室之設施，並有專人導覽
- 院級中心
 - － 簡報及與評鑑委員討論
- 學生活動
 - － 安排評鑑委員參加公衛系學生在校總區舉辦之「公衛之夜」活動
- 學術研討
 - － 評鑑委員專題演講



National Taiwan University

Handbook for the Joint Assessment

College of Public Health
Institute of Health Policy and Management
Institute of Epidemiology and Preventive Medicine
Master of Public Health Degree Program



March 18-20, 2013

Table of Contents

I. Schedule of the Joint Assessment on College of Public Health, NTU.....	1
II. Members of the Assessment Committees.....	5
III. Faculty of the College.....	22
3.1 Institute of Health Policy and Management.....	22
3.2 Institute of Epidemiology and Preventive Medicine.....	34
3.3 Institute of Occupational Medicine and Industrial Hygiene.....	55
3.4 Institute of Environmental Health.....	64
3.5 Master of Public Health Degree Program.....	69
IV. Briefing Report of the College and Its Teaching Units.....	70
4.1 The College.....	70
4.2 Master of Public Health Degree Program.....	88
4.3 Institute of Health Policy and Management.....	100
4.4 Institute of Epidemiology and Preventive Medicine.....	112
4.5 Institute of Occupational Medicine and Industrial Hygiene.....	131
4.6 Institute of Environmental Health.....	138
4.7 Department of Public Health.....	149
V. Briefing Report of Research Centers.....	155
5.1 Global Health Center.....	155
5.2 Center of Health Promotion.....	163
5.3 Research Center of Genes, Environment, and Human Health.....	169
5.4 Center of Environmental and Occupational Health.....	178
5.5 Center of Taiwan Cancer Registry.....	187
5.6 DOH-NTU Infectious Diseases Research and Education Center.....	197
5.7 National Translational Medicine and Clinical Trial Resource Center.....	206
VI. Tour Guide of Equipment and Facilities.....	220
6.1 Chemical Laboratory.....	220
6.2 Physical Laboratory.....	227
6.3 Biological Laboratory.....	236
6.4 Classrooms and computer rooms.....	244
VII. Symposium on Frontiers in Public Health Education and Research.....	247
VIII. Public Health Night—Yearly Talent Show by Undergraduate Students....	248



DAY 1: March 18 (Monday), 2013

Time	Activity	Moderator/Reviewers	Participants	Place
08:20~09:00	Arrival and briefing of assessment schedule	Dean of CPH, NTU: Wei J. Chen	All reviewers	Room 125
09:00~09:20	1. Welcome remarks 2. Introduction of the committee members	1. Vice President Prof. Ching-Hua Lo 2. Dean of Academic Affairs Dr. Rong-Huay Juang 3. Dean Prof. Wei J. Chen	All faculty members of CPH (including project faculty)	Room 117
09:20~10:00	1. Briefing of the College by Dean Wei J. Chen 2. Briefing of MPH Degree Program by Director Chuhsing K. Hsiao	1. John R. Finnegan/all reviewers 2. Martin Philbert/all reviewers		Room 117
10:00~10:20	Break			
10:20~12:10	Self-introduction by faculty members (2 min each)	John R. Finnegan/all reviewers		Room 117
12:10~12:15	Taking pictures	All together		Main Entran.
12:15~13:45	Lunch Break		All reviewers and faculty	Room 117
13:45~14:15	Briefing of HPM (including MPH with concentration in HPM) by Director Shou-Hsia Cheng	Thomas T.H. Wan/ Martin Philbert, John R. Finnegan, Ted Chen, Masamine Jimba	Faculty of HPM & MPH-HPM	Room 601
	Briefing of EPM (including MPH with concentration in EPM) by Director Kuo-Liong Chien	Ayman El-Mohandes/ Martin Philbert, Tun-Hou Lee, Kiang Liu, Jin Ling Tang, Yasuo Ohashi	Faculty of EPM & MPH-EPM	Room 505
14:15~14:45	Meeting of the Assessment Committee of HPM	Thomas T.H. Wan/John R. Finnegan, Martin Philbert, Ted Chen, Masamine Jimba		Room 601
	Meeting of the Assessment Committee of EPM	Ayman El-Mohandes/ Martin Philbert, Tun-Hou Lee, Kiang Liu, Jin Ling Tang, Yasuo Ohashi		Room 505
14:45~15:00	Break			601 505
15:00~15:40	Touring research and teaching facilities	Tour guide/Dean, Directors, PIs	All reviewers	1.10F 2.9F
15:40~17:20	Meeting with the faculty of HPM & MPH with concentration in HPM	Thomas T.H. Wan/John R. Finnegan, Martin Philbert, Ted Chen, Masamine Jimba	Faculty of HPM & MPH-HPM	Room 601
	Meeting with the faculty of EPM & MPH with concentration in EPM	Ayman El-Mohandes/ Martin Philbert, Tun-Hou Lee, Kiang Liu, Jin Ling Tang, Yasuo Ohashi	Faculty of EPM & MPH-EPM	Room 117

DAY 2: March 19 (Tuesday), 2013

Time	Activity	Moderators/reviewers	Participants	Place
08:40~10:20	Meeting with students and staff of HPM & MPH with concentration in HPM	Thomas T.H. Wan/ John R.Finnegan, Martin Philbert, Ted Chen, Masamine Jimba	Students and staff of HPM & MPH-HPM	Room 601
	Meeting with students and staff of EPM & MPH with concentration in EPM	Ayman El-mohandes/ Martin Philbert, Tun-Hou Lee, Kiang Liu, Jin Ling Tang, Yasuo Ohashi	Students and staff of EPM & MPH-EPM	Room 117
10:20~10:40	Break			
10:40~11:00	Meeting with Director of HPM	Thomas T.H. Wan/ John R.Finnegan, Martin Philbert, Ted Chen, Masamine Jimba	Director of HPM: Shou-Hsia Cheng	Room 601
	Meeting with Director of EPM	Ayman El-mohandes/ Martin Philbert, Tun-Hou Lee, Kiang Liu, Jin Ling Tang, Yasuo Ohashi	Director of EPM: Kuo-Liong Chien	Room 117
11:00~11:30	Discussion and write-up of final points on HPM	Thomas T.H. Wan/ John R.Finnegan, Martin Philbert, Ted Chen, Masamine Jimba		Room 601
	Discussion and write-up of final points on EPM	Ayman El-mohandes/ Martin Philbert, Tun-Hou Lee, Kiang Liu, Jin Ling Tang, Yasuo Ohashi		Room 117
11:30~12:00	Comments by the Assessment Committee, HPM	Thomas T.H. Wan/ John R.Finnegan, Martin Philbert, Ted Chen, Masamine Jimba	Faculty of HPM & MPH-HPM	Room 601
	Comments by the Assessment Committee, EPM	Ayman El-mohandes/ Martin Philbert, Tun-Hou Lee, Kiang Liu, Jin Ling Tang, Yasuo Ohashi	Faculty of EPM & MPH-EPM	Room 117
12:00~13:20	Lunch Break			601 117
13:20~13:50	Joint meeting of the Assessment Committees of CPH & MPH	• John R. Finnegan/other reviewers • Martin Philbert/other reviewers		Room 117
13:50~14:30	Meeting with the faculty of EH, OMIH, and MPH-EOH	Martin Philbert/all the other reviewers	Faculty of EH, OMIH, and MPH-EOH	Room 117
14:30~15:10	Meeting with students and staff of EH, OMIH, and MPH-EOH	Martin Philbert/all the other reviewers	Students and staff of EH, OMIH, and MPH-EOH	Room 117
15:10~15:30	Break			Room 117
15:30~17:00	Briefing of 7 Centers (12 min each; then Q&A)	John R. Finnegan/all the other reviewers	Directors & PIs of 7 Centers	Room 117
18:00	Students' Talent Show: The Public Health Night		All reviewers, faculty and students of CPH	NTU main campus



III. Faculty of the College

3.1 Institute of Health Policy and Management

Shou-Hsia Cheng Ph.D



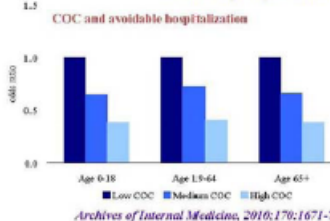
- **Current affiliation**
 - Professor and Director, Institute of Health Policy and Management, National Taiwan University.
 - Chairman, National Health Insurance Committee, Department of Health
- **Education**
 - Ph.D., Yale University, 1993; M.S. National Taiwan University, 1987
- **Teaching**
 - Principle in health policy analysis
 - Health services research methods
 - Health economics
- **Research interests**
 - Healthcare Reform
 - Financial Incentives and Provider Behaviors
 - Agency Theory: Issues on Continuity of Care
 - Quality of Care from Patient Perspectives



1

Research interests

- **Financial incentive and hospital behaviors**
 - Pay-for-performance program
 - Global budget program
 - Diagnosis-related groups program
 - Mechanic ventilator program
- **Agency theory: Issues on continuity of care (COC)**
 - COC and avoidable hospitalization
 - COC and healthcare expenses for patients with chronic disease
 - The mechanism between COC and healthcare outcomes: duplicated medication and medication adherence



2

Kuo-Liong Chien, M.D., Ph.D.

Current affiliation

Professor and Director,
Institute of Epidemiology and Preventive Medicine,
College of Public Health, National Taiwan University



Education

Ph.D., National Taiwan University, 2000
M.D., National Taiwan University, 1988

Teaching

1. Cardiovascular Epidemiology
2. Clinical Trial
3. Preventive Medicine

Professional Service

1. Council members for Taiwan Hypertension Society, Taiwan Atherosclerosis Society
2. Academic reviewers for NSC, NHRI, and Associate Editors of *JFMA*, *ACS*

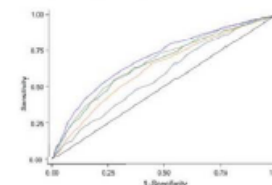


9

Research Interests

Evidence-based NCDs prevention

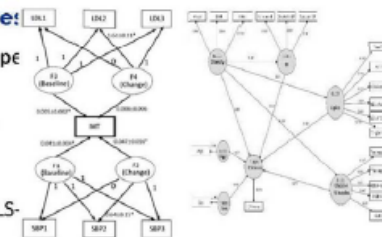
- Prediction models for NCDs
- Risk assessment in lifestyle and biomarkers



Chien K.L. et al. *Diabetologia* 2009; 52: 443-450

Cohort studies on cardiovascular outcomes

- Metabolic syndrome and type 2 diabetes, n-3 fatty acids
- Multivariate approaches of subclinical diseases in atherosclerosis: Latent growth curve modeling, PLS-SEM



Chien K.L. et al. *BMC Cardiovascular Disorders* 2012; 12:68



10



評鑑期間的活動照片



單位簡報



教師簡介



教師座談



學生座談



實地參訪



公衛之夜



Symposium on Frontiers in Public Health Education and Research

John R. Finnegan:
Framing the Next Hundred Years
of Public Health Education: A
Global Perspective

教師學生踴躍出席研討會



More Pictures About the Symposium



評鑑書面意見

Summary Review on College of Public Health

1. Review Process:

The external review panel consists of John R. Finnegan (Coordinator of the Committee), Martin Philbert, Ayman El-Mohandes, Thomas T. H. Wan, Masamine Jimba. The other members of the Joint Assessment Committees on College of Public Health, including Ted Chen, Tun-Hou Lee, Kiang Liu, Jin Ling Tang, and Yasuo Ohashi, also contributed to the evaluation process. Based on the Self-Study Reports, Dean Wei J. Chen's oral presentation on the performance of the College, self-introduction by faculty members, and a series of group discussion with faculty members and selected students of different Institutes, the panel presents an overall assessment of the strengths, challenges, and opportunities. Some specific recommendations about individual institute or program are incorporated in their respective Summary Review.

2. Preface:

The role of this committee is to provide help for the College to achieve its aspirations, to move from a fine college to a better college. Public health has different parts that are far more collaborative in terms of disciplines and professionals and are shaped by profound revolutions in moving from an analog world to a digital one. The committee recognizes that context as it evaluates the future plans and perspectives of the College. Like all colleges or schools of public health, the College also faces the responsibility of educating the next generation of public health workforce. Regardless of previous formal public health training or not, there need to be basic things that bring public health professionals together. One of those things is the drive toward improvement in population health. Through a culture of convergence, people can become public health professionals after exposure to public health education for a period of time. The committee looks at the strengths, weaknesses, opportunities, and threats, so-called SWOT analysis, of the College. The committee also recognizes that the College is applying for the Council on Education for Public Health (CEPH) accreditation and is officially in the process. We'd like to draw distinctions between accreditation, which is about the minimal standards in quality, and the College's aspirations, which go beyond that. Accreditation is about floor, and the College's aspirations are about ceiling. Some of our suggestions are more related to the College's aspirations, but some are more related to maintaining that basic level of quality. Although the aspirations aim for higher goals, you still need a sound launching pad.

3. Summary of Overall Assessment:

A. Overview

The committee is very enthusiastic about the vision, the leadership, and the faculty. All the faculty members are incredibly hard-working people. Since the last report in 2006, the College has responded very well. The College has made great progress to each recommendation. In addition, the committee also looks at issues about the larger environment. There are many important and challenging issues facing the university. The committee feels that if some changes can be made, it will let the College have the incentive and freedom to release the energy and reach that higher level. Public health education in universities can have a lot of returns. Thus, some of the committee's recommendations are more for the people in the line, e.g., university president, perhaps minister of education, or others rather for the College to respond.

B. Globalization is a worthy strategy and should be encouraged. On the road to that vision, the College may wish to consider a “regionalization” strategy until resources are sufficiently in place to propel the larger vision.

C. The Joint Assessment Panel is concerned that the necessary resources to reach the College's goals are not sufficiently in place. Public money is limited; overhead generated from research is limited and tuition is limited. The Panel suggests that the College consider expending soft money resources to create a staff position for an advancement expert who can assist the Dean in developing private endowment and investment in the College.

D. As part of a globalization strategy, targeted collaborations that provide synergy in research collaborations should be considered, for example, Disaster management and training, clinical trials, and social determinants of health, and health care management and innovation.





國立臺灣大學公共衛生學院

COLLEGE OF PUBLIC HEALTH, NTU

五、評鑑成效

評鑑成效

- 雙向而深入的國際學術交流
 - － 多位委員對於台大學術環境第一次有機會深入瞭解
 - － 教師與學生普遍對於本次評鑑能在短時間內與多位國際公共衛生教育重要領袖面對面交談，甚表肯定
 - － 事後(7月)學院向CEPH提出認證之申請，於9月獲得理事會許可
- 明確指出本院待努力方向
 - － 學術研究與實務之接軌
 - － 具體評估學生專業能力
 - － 有系統之學生職涯輔導
- 師生投入程度大幅提升
 - － 教師投入廣度與深度較之前評鑑明顯增加
 - － 學生參與多元

CEPH主席 Dr. Stephen W. Wyatt 發於9月26日的信函，告知我們 CEPH的 Governing Body 已在它們9月19-21日的理事會中，正式通過台大公共衛生學院的認證申請 (application for accreditation)

September 26, 2013

Wei J. Chen, MD, ScD
Distinguished Professor & Dean
National Taiwan University
College of Public Health
17 Xu-Zhou Road
Taipei 100, Taiwan

Dear Dr. Chen:

I am pleased to advise you that the governing body of the Council on Education for Public Health, the nationally recognized accrediting body for schools and programs in public health, formally acted at its September 19-21, 2013 meeting to approve National Taiwan University's request to begin the accreditation process for its College of Public Health.

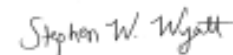
Our procedures provide that you have up to two years to undertake a self-study and submit an acceptable self-study document. Your self-study must be submitted by September 21, 2015, although you may elect to submit it earlier; if an earlier date is selected you need to negotiate an earlier review schedule with CEPH staff. An on-site visit by a team of peer reviewers will follow self-study submission by approximately five months.

Please download and review the [Accreditation Criteria for Schools of Public Health, amended June 2011](#) and the [Accreditation Procedures, amended June 2012](#). These documents, and any procedural revisions subsequently adopted by the Council, will govern your review. You may wish to download CEPH's [2014 fee schedule](#) from our website for your budget planning purposes, although fees are revised annually. Additionally, you should plan for appropriate translation and interpretation services for both the self-study and site visit. All required documents (including resource file materials) must be presented in English.

Please note that the Procedures Manual specifies that all applicants must 1) schedule an on-site CEPH consultation visit and 2) attend an accreditation orientation workshop before the accreditation review takes place. Additional information about consultation visits is available on the [CEPH website](#). The next accreditation orientation workshop will take place on July 31-August 1, 2014 in Washington DC. Although you have already attended the workshop, you will receive an invitation and additional information on this year's workshop by February 2014, and you should direct any questions about the workshop to [Nicole Williams](#).

We sincerely hope that you find the analytical self-evaluation that is central to our accreditation process to be a valuable experience. If you have other questions, please contact the CEPH staff. They will be pleased to assist you as you progress with your self-study.

Sincerely,



Stephen W. Wyatt, DMD, MPH
President

cc: CEPH Councilors

Association of Schools and Programs of Public Health (ASPPH) 2013年會 波士頓

2013年申請CEPH評鑑獲准的學校名單

NEW AND EMERGING PUBLIC HEALTH TRAINING CAPACITY

Please Note: This list is not for distribution or quotation. Applicants can and often do withdraw from the process. Appearance on this list in no way guarantees future accreditation by CEPH.

Operational Programs in Formal Applicant Status with CEPH

American Public University System	PHP	Loyola University of Chicago	PHP
Andrews University	PHP	Montclair State University	PHP
A. T. Still University of Hlth Sci.	PHP	National Taiwan University	SPH
Benedictine University	PHP	Oregon State University	SPH*
Brown University	SPH*	Penn State University - Hershey	PHP
Campbell University	PHP	S.U.N.Y. – Upstate/Syracuse U	PHP
Ecole des Hautes Etudes en Sante Publique (France)	SPH	(Central New York MPH Program)	
Florida State University	PHP	Tennessee State University	PHP
Georgia State University	SPH*	University of Memphis	SPH
Indiana Univ – Bloomington	SPH*	University of Michigan, Flint	PHP
IUPUI - Indianapolis	SPH*	University of North Dakota	PHP
Kansas State University	PHP	University of San Francisco	PHP
Kent State University	SPH	Univ. of the Sciences in Phila.	PHP
La Salle University	PHP	University of Southern Maine	PHP
Louisiana State U Shreveport/		West Virginia University	SPH*
LSU HSC Shreveport	PHP	Western University	PHP

* Accredited program in transition to SPH

有跟CEPH 接觸但未提出正式申請之學校名單

No official CEPH relationship but has contacted CEPH to express interest in accreditation (Graduate Level)

Adelphi University	Pacific University Oregon
Aga Khan University (Pakistan)	Purdue University
Anna Maria College	Seoul National University (Korea)
Anton de Kom University of Suriname (Suriname)	Simmons College
Argosy University	Southwest Missouri State University
Arizona School of Dentistry and Oral Health	St. John's University
Ball State University	Texas Tech University Health Sciences Center
Barry University	Trident University
Boise State University	Tuskegee University
California State University, San Bernardino	University of Alabama
Capella University	University of Bridgeport
Chicago State University	University of British Columbia (Canada)
China Medical University (China)	University of Illinois at Springfield
Creighton University	University of Maine
Curtin University of Technology (Australia)	University of Massachusetts Worcester
Davenport University	University of Potsdam - SUNY
Fort Valley State University	University of Pretoria (South Africa)
Grand Canyon University	University of Queensland (Australia)
Grand Valley State University	University of Saskatchewan (Canada)
Hofstra University	University of Texas - Austin
Indiana Wesleyan University	University of the Health Sciences
Lenoir-Rhyne University	University of Vermont
Liberty University	University of Waterloo (Canada)
Long Island University, Brooklyn	University of the West Indies (Jamaica)
Mahidol University (Thailand)	University of Wisconsin - Milwaukee
Mass. College of Pharmacy and Health Sciences	Walden University
North Dakota State University	Western University of Health Sciences
Oklahoma State University	Worcester State College

SPH = School of Public Health
PHP = Public Health Program

Standalone Baccalaureate Programs – We have had approximately 30 SBPs express interest in the submitting an application in the first year and approximately 10 in early-2014. Programs represent public, private, large research, small liberal arts, departmental and interdisciplinary settings.

Source: Laura Rasar King, October 2013



六、結論與展望

- 結論
 - 聯合評鑑協助本院各單位更瞭解彼此
 - 聯合評鑑具體指出本院的現有優勢與改進方向
 - 聯合評鑑成功達成本院提升國際化的目標
- 展望
 - 台大例行資料蒐集系統的改進方向
 - 橫斷式資料 (cross-sectional data)
 - 每一學年度的入學, 休學, 退學, 畢業人數
 - 世代式資料 (cohort data)
 - 同一年度入學學生的逐年休學, 退學, 畢業人數
 - 對學生畢業後職涯之追蹤及其對教學方向之回饋



國立臺灣大學公共衛生學院

COLLEGE OF PUBLIC HEALTH, NTU

謝謝聆聽