

Sheng-Hsuan Lin, M.D.

Harvard School of Public Health
Departments of Epidemiology and Biostatistics
677 Huntington Avenue
Boston, MA 02115
shl517@mail.harvard.edu
Phone: +1 (617) 285-2791.

Education

Harvard University, School of Public Health (HSPH), Boston, M.A.

Master of Science (ScM) Candidate, Department of Biostatistics (–May, 2016)

Doctor of Science (ScD) Candidate, Department of Epidemiology (–May, 2016)

- **Concentration: Epidemiologic Method (Causal inference program)**
 - ◆ **Major Field of Study: General epidemiology**
 - ◆ **Minor Fields of Study: Biostatistics, Neurological and Psychiatric Epidemiology**
- **Scholarship**
 - ◆ **Taiwanese Government Scholarships for Overseas Study (GSOS): Full Scholarships (Sep 2012 to May 2015)**
Awarded annually to top outstanding student in a specific.
 - ◆ **Harvard Club of the Republic of China Scholarship (2011)**
Awarded annually to top four new Harvard graduate students.
 - ◆ **Government scholarship to study abroad by the Ministry of Education (2011)**
Awarded to outstanding students who study abroad for specific.

National Taiwan University (NTU), Taipei, Taiwan

Medical doctor (M.D.), Department of Medicine (2003 – 2010)

- **Awards**
 - ◆ **Medical doctor license (August 2010)**
 - ◆ **Outstanding Youth, Medical School, National Taiwan University (2010)**
Awarded to academically outstanding undergraduate students.
 - ◆ **College Entrance Examination in Taiwan (2003)**
Second highest score among all applicants (approximate 100,000) to the universities in Taiwan.

Professional Affiliations (past and present)

Society for Epidemiologic Research (SER)

International Society of Pharmacoeconomics and Outcomes Research (ISPOR)

Occupational Hygiene Association of Taiwan

Boards

Medical license in Taiwan (July 2010-Present)

School and Community Service

- **Founder and Chair, HSPH Student Society for Historical Public Health Practices, Harvard School of Public Health (Oct 2014-Present)**
- **Founder and Chair, HSPH Student Calligraphy Society, Harvard School of Public Health (Oct 2014-Present)**
- **Associate Chair, Club of Meditation Health of Harvard T.H.Chan school of Public Health (Jan 2015-Present)**

- Chair, the Family Survey Group in Summer service team of National Taiwan University-Traditional Medicine Club, National Taiwan University (June-July 2008)
- Volunteer, Summer service team of NTU-TMC, National Taiwan University (2004-2008)
- Assistant, the 6th to 8th Wu Chien-Shiung Science Camp, Wu Chien-Shiung Education Foundation, Taiwan (2003-2005)

Consulting

Ministry of Health and Welfare (April-Dec 2015)

Extracurricular Activities

- Violinist of the National Taiwan University Hsin-Lin-Chamber-Orchestra (2007-2008)
- Member of the National Taiwan University Classic Chinese Music Club (2006-2007)
- Member of the National Taiwan University Traditional Medicine Club (NTU-TMC) (2004-2010)
- Host of the inter-collegial conference for the management and promotion of a Traditional Medicine Club (December, 2004)
- Invited Member of the 4th to 5th Wu Chien-Shiung Science Camp (2001-2002)

Research Experience

HSPH, Department of Epidemiology and Biostatistics, Boston, M.A.

Advisor: Professor Tyler J. VanderWeele (**Jan 2014 – Present**)

Research Topics

- Mediation analysis with time-varying exposures, mediators, and confounders

HSPH, Department of Epidemiology and Biostatistics, Boston, M.A.

Advisor: Associate Professor Eric J. Tchetgen Tchetgen (**Sept 2012 – May 2013**)

Research Topics

- Robust Estimation of Pure/Natural Direct Effects with Mediator Measurement Error.
- Identifying the Average Causal Effect among Newly Infected Patients in Vaccine Trial.

NTU, Institute of Occupational Medicine and Industrial Hygiene, College of Public Health, Taipei, Taiwan

Advisor: Professor Jung-Der Wang (**2008 – 2010**)

Research Topics

- Estimation of life expectancy from occupational permanent disability and the recognition and compensation of occupational cancer in Taiwan.
 - ◆ Supported partially by a grant from Institute of Occupational Safety and Health, Taiwan, and another grant from the National Science, Taiwan.
 - ◆ Indebted to the Bureau of Labor Insurance of Taiwan for providing the database of worker's compensation during 1986-2006.

Work Experience

- **Teaching Assistant**, Harvard University "Decision Analysis for Health and Medical Practices" (Fall 2014)
- **Research Assistant**, Department of Epidemiology and Biostatistics, School of Public Health, Harvard University (Sept 2012 - May 2013)
- **Medication Substitute Services Draftee**, Department of Health, Executive Yuan, R.O.C. (Taiwan) (Aug 2010 - Jul 2011)
- **Internship Physician**, National Taiwan University Hospital, Taipei, Taiwan (Jun 2009 - May 2010)
- **Clerkship Physician**, National Taiwan University Hospital, Taipei, Taiwan (Jun 2007 - May 2009)

Honors and Awards

■ **International Math/Physics Olympiad Competition**

1. Honor Medal of the Asia Pacific Mathematic Olympiad (2003)

Awarded to the top ten participants from each country

2. Silver Medal of the 33rd International Physics Olympiad, Bali, Indonesia (2002)

Awarded to the top 18% participants from each country

3. Gold Medal of the 3rd Asia Physics Olympiad, Singapore (2002)

Awarded to the top 6% participants from each country

4. Brown Medal of the 2nd Asia Physics Olympiad, Taipei, Taiwan (2001)

Awarded to the top 36% participants from each country

■ **Awards for academic writing and presentation**

1. Foundation of Taiwan Medical Development Awards for Outstanding Writings (2009)

Awarded to the top six undergraduate medical students with outstanding paper and presentations.

2. Scholarship of Dian-Sheng Corporation Limited (2009)

Awarded to academically outstanding undergraduate students coming from economically disadvantaged families.

3. The 29th Occupational Hygiene Association of Taiwan Conference, Awards for Outstanding Writings (2009)

Awarded for outstanding paper and presentation in the conference, ranked top two.

4. Outstanding Students Conference Travel Grant, Foundation for the Advancement of Outstanding Scholarship (2009)

Awarded for outstanding papers and presentations at an international conference.

5. Outstanding Students Conference Travel Grant, Aim for the Top University Plan, National Taiwan University College of Medicine (2009)

Awarded to medical students in the College of Medicine of National Taiwan University College of Medicine with outstanding papers and presentations in international conference.

Non-Academic Honors and Awards

1. Championship of 2008 Inter-Medical College Go Competition (March 2008)

The largest medical student Go (a kind of traditional Chinese Chess) prize awarded for undergraduate medical students in Taiwan. Participated as the leader of NTU team

Publications

(* : corresponding author; ** co-first or co-corresponding author)

■ **Methodology of Epidemiology and Biostatistics**

1. Eric J. Tchetgen Tchetgen, **Sheng-Hsuan Lin**, 'Robust Estimation of Pure/Natural Direct Effects with Mediator Measurement Error', (working paper) which can be download in the following website: <http://biostats.bepress.com/cgi/viewcontent.cgi?article=1160&context=harvardbiostat>
2. **Sheng-Hsuan Lin** , Eric J. Tchetgen Tchetgen, "Identification and estimation of newly infected causal effects" 2015 (submitting).
3. **Sheng-Hsuan Lin**, Jessica Young, Eric TchetgenTchetgen, Miguel Hernán, Tyler J. VanderWeele, "Parametric mediational g-formula approach to mediation analysis with time-varying exposures, mediators and confounders: an application to smoking, weight, and blood pressure", 2015 (submitting).
4. **Sheng-Hsuan Lin**, Tyler J. VanderWeele, "Mediation analysis with survival outcome and time-varying exposures, mediators, and confounders: a case study of the Framingham Heart Study", 2015 (submitting).

■ Environmental & Occupational Epidemiology

1. **Sheng-Hsuan Lin**, Hsin-Yi Lee, Yu-Yin Chang, Yuh Jang, and Jung-Der Wang, '*Estimation of life expectancies and loss of life expectancies for workers with permanent occupational disability of lower limbs: A follow-up study for 21 years*', Scand J Work Environ Health. 2012 Jan;38(1):70-7.
2. **Sheng-Hsuan Lin**, Hsin-Yi Lee, Yu-Yin Chang, Yuh Jang, Pau-Chung Chen, and Jung-Der Wang, '*Increased mortality risk for workers with a compensated, permanent occupational disability of the upper or lower extremities: a 21-year follow-up study*', American Journal of Epidemiology 2010; 171(8): 917-923.

■ Psychiatric Epidemiology

1. Yu-Hsuan Lin, Terry B J. Kuo, Yen-Cheng Ho, **Sheng-Hsuan Lin**, Chia-Yih LIU, Cheryl C. H. Yang, '*Physiological and psychological impacts on medical interns of on-call duty*' Stress. 2012 Jan;15(1):21-30.
2. Lin YH, Ho YC, **Lin SH**, Yeh YH, Liu CY, Kuo TB, Yang CC, Yang AC. "*On-call duty effects on sleep-state physiological stability in male medical interns.*" PLoS One. 2013 Jun 4;8(6):e65072.
3. Lin YH, **Lin SH**, Li P, Huang WL, Chen CY. "*Prevalent Hallucinations during Medical Internships: Phantom Vibration and Ringing Syndromes.*" PLoS One. 2013 Jun 10;8(6):e65152.
4. Lin YH, Chen CY, **Lin SH**, Liu CH, Weng WH, Kuo TB, Yang CC. "*Gender differences in cardiac autonomic modulation during medical internship*" Psychophysiology. 2013 Jun;50(6):521-7
5. Lin YH, Chen CY, Li P, **Lin SH***. "*A dimensional approach to the phantom vibration and ringing syndrome during medical internship.*" Journal of Psychiatric Research. 2013 Sep;47(9):1254-8
6. Ching-Yen Chen, **Sheng-Hsuan Lin**, Peng Li, Wei-Lieh Huang, Yu-Hsuan Lin, "The Role of the Harm Avoidance Personality in Depression and Anxiety During the Medical Internship" Medicine. 2015 Jan, 94(2):e389.
7. Yu-Hsuan Lin, Yu-Cheng Lin, Yang-Han Lee, Po-Hsien Lin, **Sheng-Hsuan Lin**, Li-Ren Chang, Hsien-Wei Tseng, Liang-Yu Yen, Cheryl C. H. Yang, Terry B. J. Kuo, " *Time Distortion Associated with Smartphone Addiction: Identifying Smartphone Addiction via a Mobile Application (App)*" Journal of Psychiatric Research. 2015 (in press).
8. Yu-Hsuan Lin, Po-Hsien Lin, Chih-Lin Chiang, Yang-Han Lee, Cheryl C. H. Yang, Terry B. J. Kuo, **Sheng-Hsuan Lin***, "*Incorporation of Mobile Application (App) Measures into the Diagnosis of Smartphone Addiction* ", 2015 (submitting).

Conference paper

1. En-Nien Tu, Yi-Ling Chi, Chih-Ming Liu, Shiew-Jyr Wang, **Sheng-Hsuan Lin**, Yen-Nan Chiu, "*Factors affecting psychological features in gender identity disorder patient*", Taiwanese Society of Psychiatry's 52nd Annual Meeting, Taipei, Taiwan. (2013).
2. Chen-Ying Wu, Yu-Hsuan Lin, Theresa Jacob, **Sheng-Hsuan Lin***, "*Impact of Internet Addiction in Adolescents: Association with Sleep Quality, Lifestyle Factors and Smartphone Overuse*", American Academy of Child & Adolescent Psychiatry's 62th Annual Meeting, San Diego, CA, USA. (Oct. 2014).
3. **Sheng-Hsuan Lin**, Jessica Young, Eric TchetgenTchetgen, Miguel Hernán, Tyler J. VanderWeele, "*Parametric mediational g-formula approach to mediation analysis with time-varying exposures, mediators and confounders: an application to smoking, weight, and blood pressure*", Society for Epidemiologic Research's 48th Annual Meeting, Denver, Colorado, USA. (June 2015).

Invited Oral Presentation

- *Annual Conference of EPICOH-Medichem Occupational Health under Globalization and New Technology (Taipei, Taiwan)* **Estimation of life expectancies and loss of life expectancies for workers with permanent occupational disability of lower limbs: A follow-up study for 21 years** (April 2010)
- *9th Occupational Therapy Annual International Meeting (Taipei, Taiwan):* **Estimation of life expectancies and loss of life expectancies for workers with permanent occupational disability of lower limbs: A follow-up study for 21 years** (April 2009)
- *29th Occupational Hygiene Association of Taiwan Conference (Taipei, Taiwan)* **Increased mortality risk for workers with a compensated, permanent occupational disability of the upper or lower extremities: a 21-year follow-up study** (April 2009)

Skills

Programming: R/Splus; SAS; STATA; Life Table Analysis System; Windows

Language: English (proficient); Taiwanese (fluent); Mandarin (native)