

# Curriculum Vitae

## Sirinya Phulkerd

(BSc, MSc, MPhil, PhD)

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### 1. Contact:

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73170, Thailand

Email                      sirinya.phu@mahidol.ac.th

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### 2. Research interests:

Policy analysis, food and nutrition policies, food systems, food environments, diet-related non-communicable diseases, healthy ageing

### 3. Education:

2014-2017              Doctor of Philosophy in Food Policy  
Deakin University, Australia

2008-2010              Master of Philosophy in Public Health and Policy  
London School of Hygiene & Tropical Medicine, United Kingdom

2002-2004              Master of Science in Biological Sciences  
University of Massachusetts, United States of America

1996-2000              Bachelor of Science in Biotechnology  
Mahidol University, Thailand

### 4. Position:

2020-present              Assistant Professor, Institute for Population and Social Research (IPSR),  
Mahidol University

2018-2020              Lecturer, Institute for Population and Social Research (IPSR), Mahidol  
University

2016-2017              Research Analyst, Country Case Study Project for Policies for Prevention  
and Control of NCDs, the World Bank

2012-2014	Manager, Food and Nutrition Policy for Health Promotion Program at International Health Policy Program, Ministry of Public Health Thailand
2010-2014	Researcher, Health Promotion Policy Research Center at International Health Policy Program, Ministry of Public Health Thailand

## 5. Honors & awards:

Oct 2020	Outstanding Faculty Award of Institute for Population and Social Research
Nov 2018	Erasmus+ Teaching Mobility Fellowship at University of Bonn, Germany
Jun 2016	Outstanding Oral Presentation Award of the 7 <sup>th</sup> International Graduate Students Conference on Population and Public Health Sciences (IGSCPP), Thailand
May 2015	Best Poster Presentation Award of the 2021 International Congress of Nutrition (ICN) Preparation Committee, Japan
Apr 2014-2017	Deakin University Postgraduate Research Scholarship, Deakin University (Doctor of Philosophy)
Oct 2011-Jun 2013	Strengthening Thai Capacity for Health Promotion Program Fellowship (STRETCH), Thai Health Promotion Foundation
Jul-Aug 2011	AusAID's Australian Leadership Awards Fellowships –Regional Collaboration to Childhood Obesity Program
Jan 2008-Mar 2010	World Health Organization Postgraduate Scholarship (Master of Philosophy)

## 6. Committee:

2020-present	Food Marketing Control Guideline Development Committee, appointed by Department of Health, Ministry of Public Health Thailand
2020-present	Academic Review Committee of Healthy Lifestyle Promotion Section, Thai Health Promotion Foundation
2019-present	Committee of Ph.D. Program in Population and Social Research, Institute for Population and Social Research, Mahidol University
2017-present	Institutional Review Board (IRB) Member of Institute for Population and Social Research, Mahidol University
2017-2018	Committee of M.A. Program in Population and Sexual and Reproductive Health, Institute for Population and Social Research, Mahidol University
2014-2019	Country representative (public and private-sector policy monitoring modules) of the International Network for Food and Obesity/NCDs Research, Monitoring and Action Support (INFORMAS)

## 7. Research communications:

### 7.1 Research articles

#### *Scopus-indexed journals*

- 2021 Nisbett N, Friel S, Aryeetey R, Gomes F, Harris J, Backholer K, Baker P, Jernigan VB, **Phulkerd S**. Equity and expertise in the UN Food Systems Summit. *BMJ Global Health* 2021; 6:e006569.
- 2021 **Phulkerd S**, Nakraksa P, Mo-suwan L, Lawrence M. Progress towards achieving the recommendations of the Commission on Ending Childhood Obesity: A comprehensive review and analysis of current policies, actions and implementation gaps in Thailand. *Nutrients* 2021, 13(6), 1927.
- 2021 **Phulkerd S**, Thapsuwan S, Chamrathirong A, Gray RS. Influence of healthy lifestyle behaviors on life satisfaction in the aging population of Thailand: A national population-based survey. *BMC Public Health* 2021, 21, 43.
- 2020 **Phulkerd S**, Thapsuwan S, Thongcharoenchupong N, Chamrathirong A, Gray RS. Linking fruit and vegetable consumption, food safety and health risk attitudes and happiness in Thailand: evidence from a population-based survey. *Ecology of Food and Nutrition* 2020, 1-16.
- 2020 **Phulkerd S**, Gray RS, Chamrathirong A. The influence of co-residential and non-co-residential living arrangements on sufficient fruit and vegetable consumption in the aging population in Thailand. *BMC Geriatrics* 2020, 20, 476.
- 2020 **Phulkerd S**, Thongcharoenchupong N, Chamrathirong A, Gray RS, Prasertsom P. Changes in population-level consumption of taxed and non-taxed sugar-sweetened beverages (SSB) after implementation of SSB excise tax in Thailand: a prospective cohort study. *Nutrients* 2020, 12(11), 3294.
- 2020 **Phulkerd S**, Thapsuwan S, Gray RS, Chamrathirong A. Characterizing urban home gardening and associated factors to shape fruit and vegetable consumption among non-farmers in Thailand. *International Journal of Environmental Research and Public Health* 2020, 17(15), 5400.
- 2020 **Phulkerd S**, Thapsuwan S, Thongcharoenchupong N, Gray RS, Chamrathirong A. Sociodemographic differences affecting insufficient fruit and vegetable intake: A population-based household survey of Thai people. *Journal of Health Research* 2020, 34(5), 419-429.
- 2019 Kunpeuk W, Spence W, **Phulkerd S**, Supanchaimat R, Pitayarangsarit S. The impact of gardening on nutrition and physical health outcomes: a systematic review and meta-analysis. *Health Promotion International* 2019, 1-12.
- 2019 Cetthakaikul N, **Phulkerd S**, Jaichuen N, Sacks G, Tangcharoensathien V. Assessment of the stated policies of prominent food companies related to obesity and non-communicable disease (NCD) prevention in Thailand. *Globalization and Health* 2019, 15, 12.
- 2019 Vandevijvere S, Barquera S, Caceres G, Corvalan C, Karupaiah T, Kroker-Lobos MF, L'Abbé M, Ng SH, **Phulkerd S**, Ramirez-Zea M, Rebello SA, Reyes M, Sacks G, Sánchez Nóchéz CM, Sanchez K, Sanders D, Spires M,

- Swart R, Tangcharoensathien V, Tay Z, Taylor A, Tolentino-Mayo L, Van Dam R, Vanderlee L, Watson F, Whitton C, Swinburn B. An 11-country study to benchmark the implementation of recommended nutrition policies by national governments using the Healthy Food Environment Policy Index, 2015-2018. *Obesity Reviews* 2019, 1–10.
- 2018 Jaichuen N, **Phulkerd S**, Cetthakaikul N, Sacks G, Tangcharoensathien V. Corporate political activity of major food companies in Thailand: an assessment and policy recommendations. *Globalization and Health* 2018, 14, 115.
- 2018 Jaichuen N, Vandevijvere S, Kelly B, Vongmongkol V, **Phulkerd S**, Tangcharoensathien V. Unhealthy food and non-alcoholic beverage advertising on children's, youth and family free-to-air and digital television programmes in Thailand. *BMC Public Health* 2018, 18, 737.
- 2017 **Phulkerd S**, Sacks G, Vandevijvere S, Worsley A, Lawrence M. Barriers and potential facilitators to the implementation of government policies on front-of-pack food labeling and restriction of unhealthy food advertising in Thailand. *Food Policy* 2017, 71, 101-110.
- 2017 **Phulkerd S**, Vandevijvere S, Lawrence M, Tangcharoensathien V, Sacks G. Level of implementation of best practice policies for creating healthy food environments: assessment by state and non-state actors in Thailand. *Public Health Nutrition* 2017, 20(3), 381-390.
- 2016 **Phulkerd S**, Lawrence M, Vandevijvere S, Sacks G, Worsley A, Tangcharoensathien V. A review of methods and tools to assess the implementation of government policies to create healthy food environments for preventing obesity and diet-related non-communicable diseases. *Implementation Science* 2016, 11, 15.
- 2011 Bundhamcharoen K, Odton P, **Phulkerd S**, Tangcharoensathien V. Burden of disease in Thailand: Changes in health gap between 1999 and 2004. *BMC Public Health* 2011, 11, 53.
- 2008 Bundhamcharoen K, Odton P, Mugem S, **Phulkerd S**, Dhisayathikom K, Brown DW, Tangcharoensathien V. Costs of injuries due to interpersonal and self-directed violence in Thailand, 2005. *Journal of the Medical Association of Thailand = Chotmaihet thangphaet*, 2008, 91(Suppl 2), S110-118.

#### *Thai journals (selected)*

- 2015 Jaichuen N, Kunpeuk W, **Phulkerd S**, Thamarangsi T. Gaps and opportunities of policy implementation in Thailand to comply with WHO's set of recommendations on the marketing of foods and non-alcoholic beverages to children. *Journal of Health Science* 2015;9:213-26.
- 2015 Kunpeuk W, Cetthakrikul N, **Phulkerd S**, Pongcharoen T, Udomkarnjananan S, Ponguttha S, Thamarangsi T. Situation of food provision in child care centers in Thailand. *Journal of Health Science* 2015; 24:621-35.
- 2015 Jaichuen N, Kunpeuk W, **Phulkerd S**, Thamarangsi T. Food Industries Marketing Communication Strategies and Laws food and non-alcoholic beverages in Thailand. *Journal of Journalism* 2015;8:171-90.

- 2015 Jaichuen N, **Phulkerd S**, Thamarangsi T. Evolution of advertising regulations of food and beverages with high sugar, fat, and sodium in Thailand and foreign countries. *Journal of Health Systems Research* 2015 Jan-Mar;9(1).
- 2013 Jaichuen N, **Phulkerd S**, Chaisong S, Thamarangsi T. Purchasing and Eating of Food and Beverages in Primary 6 Students. *Journal of Health Systems Research* 2013 Jan-Mar;7(1).
- 2013 Phonsuk P, **Phulkerd S**, Thamarangsi T. Feasibility of Food and Beverage Taxation to Tackle Overweight and Obesity in Thailand: Stakeholders' Views from the Public Hearing. *Journal of Health Science* 2013; 22:157-71.
- 2012 Jaichuen N, Phonsuk P, **Phulkerd S**, Chaisong S, Thamarangsi T. Recognition of Food Brand Logo in Primary 6 Students. *Journal of Health Systems Research* 2012 Jan-Mar;6(1).
- 2012 **Phulkerd S**, Knai C, Lock K. Stakeholders' perceptions of factors influencing fast food consumption in Thai adolescents. *Journal of Health Science* 2012 Jan-Feb;21(1).
- 2011 Thamarangsi T, Pitayarangsarit S, Iampradit P, **Phulkerd S**, Pongutta S, Waleewong O, Limwattanayingyong A. NCD gaps and opportunities in addressing noncommunicable diseases in Thailand with WHO's best buys and good buys interventions. *Journal of Health Systems Research* 2011 Oct-Dec;5(4).

## 7.2 Books

- 2020 **Phulkerd S.** & Satchanawakul N. 2020. Healthy housing for older people in Thailand: Ideas, development and policy perspectives (in Thai). Nakhon Pathom: Institute for Population and Social Research.
- 2020 **Phulkerd S.** & Thongcharoenchupong, N. 2020. Seven steps to get Thai kids eating more fruits and vegetables (in Thai). Nakhon Pathom: Institute for Population and Social Research.
- 2018 Osornprasop S, **Phulkerd S**, Gowachirapant S. Lessons Learned from Thailand's Obesity Prevention and Control Policies. Washington, D.C.: World Bank Group.
- 2013 Jaichuen N. 2013. Food and drinks marketing and promotion to children: Thailand Regulation and legislation (in Thai). In: Thamarangsri, T. & **Phulkerd, S.** (eds.). Nonthaburi: Food and Nutrition Policy for Health Promotion Program.
- 2013 **Phulkerd S**, Phonsuk P (eds). 2013. 2013 FHP annual report (English and Thai version). Nonthaburi: Food and Nutrition Policy for Health Promotion Program (FHP).
- 2012 Pudpong N, **Phulkerd S**, Aukayangul J, Nisachol Cetthakrikul, Kunpeuk W, Chadbunchachai S, Ingviya T, Phakthongsuk P, Prakongsai P. Research for health by non-health sectors in Thailand: A literature review. July 2012. WHO to Thailand.
- 2012 Jaichuen N, Kunpeuk W. 2013. Hidden marketing strategies of three highs food: Tricking adults, trapping children (in Thai). In:

Thamarangsi, T. & **Phulkerd, S.** (eds.). Nonthaburi: Food and Nutrition Policy for Health Promotion Program.

### 7.3 Others

#### *Policy briefs*

2020 Policy brief on **‘The way forward on childhood obesity prevention in Thailand.’** Nakhon Pathom: Institute for Population and Social Research. Mahidol University.

#### *Online videos*

2021 **A longitudinal household survey of fruit and vegetable consumption in Thai population.** Available on Mahidol World at <https://www.youtube.com/watch?v=2VJdBYzGvtY>

#### *News*

2020 **APAC ‘junk food’ ad bans: Health experts encouraged by ‘feasible and politically acceptable’ UK move.** Interviewed by Pearly Neo. Published in Food Navigator-Asia.com in September 2, 2020.

*APAC public health experts say they are optimistic that the UK’s recent moves to ban TV ‘junk food’ ads before 9pm will encourage governments in the region to adopt similar measures – but also want more comprehensive restrictions that cover digital media.*

#### *Translation*

2013 Kunpeuk W, **Phulkerd S**, Akayanakul J, Jaichuen N, Thamarangsi T. 2013. Set of recommendations on the marketing of foods and non-alcoholic beverages to children (in Thai). Translation from the original version published by World Health Organization in 2010. Nonthaburi: Food and Nutrition Policy for Health Promotion Program, International Health Policy Program (IHPP).

## 8. Other academic and research activities:

### **Invited speaker (selected)**

13 Mar 2021 National Dialogue on Healthy Diet: “Should Thailand have a National Vegetable Policy?” organised by Ministry of Agriculture and Cooperatives, Thai Health Promotion Foundation and World Vegetable Center through online meeting application.

25 Nov 2020 “Situation of Fruit and Vegetable Consumption in Thailand” in the 2020 Academic Conference of the Thailand Pesticide Alert Network (Thai-PAN) at Richmond Hotel, Nonthaburi, Thailand

16 Nov 2020	“Research Misconduct” in the 7 <sup>th</sup> Research Ethics Training Workshop at Institute for Population and Social Research, Mahidol University, Nakhon Pathom, Thailand
17-18 Sep 2020	“Health Promotion Research: review, brainstorm and prioritize research topics” in Department of Health Workshop at Bangsan Heritage Hotel, Chon Buri, Thailand
10 Apr 2019	“Situation of implementation of health promotion policy in working age adults” at the 2019 Thailand Research Expo, Bangkok Convention Center, Centara Grand Hotel @ Central World, Thailand
28 Nov 2017	Moderator, Session on ‘assessing the existing international trade agreements: positive and negative impacts on health/health systems in Thailand’, International Trade and Health [ITH] Conference 2017, Dusit Thani Hotel, Bangkok, Thailand
15-16 Aug 2016	“INFORMAS Food-EPI Process: experience from Thailand. The International Development Research Centre (IDRC)” at the Baseline Training Workshop, Seri Pacific Hotel, Kuala Lumpur, Malaysia
Sep 2015	“Experiences from middle income countries: Thailand” at INFORMAS Symposium on ‘Benchmarking food environments: Country experiences’ in the 9 <sup>th</sup> International Conference on Dietary Assessment Methods, 2 <sup>nd</sup> September 2015, Brisbane Convention & Exhibition Centre, Brisbane, Australia.
Jul 2015	“Training workshop on qualitative research analysis for Strengthening Capacity on Disease Control Policy & System (DCSR) Fellowship Program” at Mida Hotel, Nonthaburi, Thailand
8-9 Jun 2015	Facilitator, Policy Brief workshop at Impact Arena, Muang Thong Thani, Nonthaburi, Thailand
7-8 Apr 2015	Rapporteur, The 3 <sup>rd</sup> ASEAN Senior Official Meeting on Health Development (SOMHD), Sukosol Hotel, Bangkok, Thailand
Nov 2014	“PhD student Showcase” at the meeting of Center for Research Excellence for Obesity Policy and Food Systems (CRE), Burwood Corporate Centre, Deakin University.
Jan 2013	“Policy movement: School food” at Asia Airport Hotel, Nonthaburi Thailand

### **Training participation**

5-9 Nov 2019	Workshop on ‘Implementation Science School Training,’ by Global Alliance for Chronic Diseases (GACD) and the Health Systems Research Institute (HSRI), at the ASEAN Institute for Health Development (AIHD), Mahidol University, Thailand
18-22 Dec 2017	Workshop on ‘Capacity Building on Cost-effectiveness Modelling Analysis for Health Promotion Strategy: OneHealth Tool’, by Thai Health Promotion Foundation at the D Varee Jomtien Beach, Pattaya, Chonburi, Thailand
4-8 Mar 2013	Intensive training course on “From evidence to policy: Creating an effective policy brief”, by Health Systems Research Institute (HSRI), Mahidol University Global Health Program (MUGH) and International

Health Policy Program (IHPP) at Sampran Riverside Resort, Nakhon Pathom, Thailand

## Teaching

2020-present	<b>Evaluation of Population and Social Policy and Project (Thai Master Program)</b> Course instructor
2020-present	<b>Research Ethics (International Graduate Program)</b> Course instructor
2019-present	<b>M&amp;E of Population and Reproductive Health Programs (International Master Program)</b> Course instructor
2018-present	<b>Population and Social Policy (Thai Master Program)</b> Course coordinator and instructor
2018-present	<b>Social Research Methodology (International Master Program)</b> Course instructor
2018-present	<b>Advanced Research Methodology (International Ph.D. Program)</b> Course instructor

## Supervisions

### *Principal supervisor:*

2019-present	Weerapak Samsiripong Ph.D. thesis entitled: The analysis of implementation of policies for eliminating trans-fat acids in Thailand
2018-2021	Nongnuch Jindarattanaporn Ph.D. thesis entitled: The role of media-health literacy in lifestyle behaviors among young adolescents in Thailand

### *Associate supervisor:*

2020	Pannawat Thuenklin M.A. thesis entitled: Stakeholder's perception in implementation of senior housing policy in Thailand
2019	Aye Thi Khaing M.A. thesis entitled: Factors influencing delivery by skilled birth attendants and postnatal health check among mother in Myanmar
2018	Le Hieu Thuy Anh M.A. thesis entitled: Factors associated with HBV and HCV co-infection among people living with HIV receiving ARV treatment in Vietnam



## 9. Funded projects (selected):

- 2021-2022      **Project on 'Food policy and system, and monitoring and evaluation (Food ME)' (with 6 research packages)**  
1) Analysis of food systems in Thailand  
2) Evaluation of potential impact of SSB taxation in Thailand  
3) Evaluating Thailand's nutrition profiling systems against the NOVA food classification system  
4) Development of indicators and protocol for food marketing monitoring and surveillance for Thailand  
5) Design of monitoring and evaluation mechanism for Thailand Healthy Lifestyle Division of ThaiHealth  
6) Guideline for impact evaluation of food and nutrition projects and granted by Thailand Healthy Lifestyle Division of ThaiHealth  
  
Chief investigator  
Principal investigator of package 3  
Thai Health Promotion Foundation
- 2021      **A review of policies and actions to reduce saturated fat intake**  
Principal investigator  
Faculty of Medicine Ramathibodi Hospital, Mahidol University
- 2020-2022      **Monitoring survey on fruit and vegetable eating behavior in Thailand (Wave3)**  
Principal investigator  
Thai Health Promotion Foundation
- 2020-2021      **Diffusion of policy innovation for NCD prevention: SSB taxes**  
Collaborating investigator (with University of Sydney)
- 2020-2021      **Monitoring of sugar-sweetened beverage (SSB) consumption among Thai people, after endorsement of SSB taxation (Wave3)**  
Principal investigator  
Sweet Enough Network of Thailand
- 2020-2024      **Examining the role of retailers in obesogenic food environments & identifying policy opportunities to address the double burden of malnutrition in SEA (Malaysia, Thailand, Indonesia and Philippine)**  
Country principal investigator (with Universiti Kebangsaan Malaysia, National Sun Yat-sen University, Reconstra Integra Utama, Indonesia and University of Sydney)  
International Development Research Centre
- 2019-2020      **Review and analysis of the profile of government policies for healthy housing for older people in Thailand**  
Principal investigator  
Foundation of Thai Gerontology Research and Development institute & National Research Council of Thailand
- 2019-2022      **Governing harmful commodities: the case of ultra-processed foods (in Australia, Thailand and Fiji)**

Country principal investigator (with Australian National University, University of Sydney, University of Edinburg, and Pacific Community-SPC)  
Australian Research Council

- 2019-2020      **Childhood obesity policy research project (with 7 research packages)**  
1) Factor analysis of childhood obesity in Thailand  
2) Forecast of childhood obesity prevalence in Thailand  
3) Impact evaluation of school-based interventions in Thailand  
4) Cost-effectiveness analysis of childhood obesity prevention interventions in Thailand  
5) Analysis of media landscape, and media consumption and media health literacy among Thai children  
6) Assessment of government policies for childhood obesity prevention against WHO's Ending Childhood Obesity Framework  
7) Analysis of international experiences for successful implementation of childhood obesity prevention
- Chief investigator  
Principal investigator of package 6  
Thai Health Promotion Foundation
- 2018-2019      **Maternal dietary intakes and nutrition status in ASEAN countries: Strengthening data analysis for policy and program**  
Researcher (with Institute of Nutrition)  
Bill & Melinda Gates Foundation
- 2018-2019      **Monitoring of sugar-sweetened beverage (SSB) consumption among Thai people, after endorsement of SSB taxation (Wave1-2)**  
Principal investigator  
Sweet Enough Network of Thailand
- 2018            **Pre-proposal development on childhood overweight and obesity policy research plan in Thailand**  
Principal investigator  
Thai Health Promotion Foundation
- 2018            **A systematic review of effectiveness of obesity interventions in adults: reduction in body mass index and waist circumference**  
Principal investigator  
Bureau of Health Promotion, Department of Health
- 2018            **Cost-effectiveness of salt reduction interventions in Thailand using OneHealth tool**  
Co-principal investigator (with International Health Policy Program)  
Food and Nutrition Policy for Health Promotion Program
- 2016            **Assessment of food industry policies and practices to create healthy food environments for preventing obesity and diet-related non-communicable diseases in Thailand**  
Principal investigator  
WHO Thailand

- 2015-2016      **The analysis of the implementation of public sector policies and actions to promote healthy food environments to prevent obesity and diet-related NCDs in Thailand**  
Principal investigator  
Thai Health Promotion Foundation & WHO Thailand
- 2013            **Food and Nutrition Policy for Health Promotion Program (FHP) Annual Report (English version)**  
Editor  
WHO Thailand
- 2013            **Understanding of different Front-of-Package nutrition labelling formats among Thais**  
Principal investigator  
Strengthening Thai Capacity for Health Promotion (STRETCH) Program
- 2012-2014     **Food and Nutrition Policy for Health Promotion Program (FHP)**  
Program Manager  
Thailand Health Promotion Foundation
- 2012-2013     **Stakeholders' opinions on beverage taxation policy in Thailand**  
Principal investigator  
Strengthening Thai Capacity for Health Promotion (STRETCH) Program