

# **International Development Seminar: Sustainable Development of Health System**

Fall 2022

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## **Overall aim**

Through these lecture series, the students are supposed to learn how to improve people's health through optimal health system development. The students will begin to think via global, national, international, local perspectives with policy and program perspectives as well as international cooperation. Current shapes and historical trajectories will be tackled. The students will get competency to develop health system improvement plan at the end of the course.

## **Mode of class**

Seminar (mostly): The students will read the required reading materials (listed below per each week) in advance. 1) Q&A, 2) Discussion, 3) Debate will be done sequentially in each class. Sometimes lectures will be done to introduce core basic concept for some topic and to fill the gap of the reading materials.

## **Grading**

[15%] Attendance (attend or not will be only counted: merely 1% will be lost per one absence without legitimation before or after absence)

[25%] Mid-term report (My favorite country's health system, performance, and major weakness to improve: 4-6 pages) Select one of your favorite countries (by 9:59pm on 30 Sep); Investigate the selected country (by 9:59pm on Nov 25); and In-class presentation from 13<sup>th</sup> week to 15<sup>th</sup> week

[50%] Amend and improve the weakness of the health system of the selected country towards (making your own) better development plan with safer and healthier living and working environment for the people in your favorite country (Final report)

# The class begins at 2pm and ends at 5pm: with an intermission or two

# Overseas or domestic special guest lecturers will give lecture at 4-5 pm as the last class activity of the class in some weeks between 5-12<sup>th</sup> weeks

# Country case presentation will be at 4-5pm every week from 13<sup>th</sup> week to 15<sup>th</sup> week as the last class activity of each class by sequential participation of all students

## Section 1. Introduction of Course

### 1. Course introduction

## Section 2. Re-visiting Health System in Modern History

### 2. First Conceptualization of Health System in History

UK MINISTRY OF HEALTH. CONSULTATIVE COUNCIL ON MEDICAL AND ALLIED SERVICES. Interim Report on the Future Provision of Medical and Allied Services 1920 (Lord Dawson of Penn) **May 27, 1920**. Presented to Parliament by Command of His Majesty. LONDON PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE 1920. <https://www.sochealth.co.uk/national-health-service/healthcare-generally/history-of-healthcare/interim-report-on-the-future-provision-of-medical-and-allied-services-1920-lord-dawson-of-penn/> [The report published as a book in 2019 consists of 146 paragraphs in 57 pages with illustrations]  
[https://archive.kingsfund.org.uk/concern/published\\_works/000018795?locale=fr#?cv=12&xywh=-2738,-13,7305,1871&p=0](https://archive.kingsfund.org.uk/concern/published_works/000018795?locale=fr#?cv=12&xywh=-2738,-13,7305,1871&p=0) [Real book images available here]

### 3. Concept Expansion towards Determinants of Health beyond Health Services

Lalonde, M. (Lalonde Report) (**1974**) A New Perspective on the Health of Canadians. [The report published as a book in 1974 consists of 77 pages long text with tables] <https://www.phac-aspc.gc.ca/ph-sp/pdf/perspect-eng.pdf>  
[Author's reflection on his report in 28 years: 4 page-long] Marc Lalonde. New perspective on the health of Canadians: 28 years later <https://www.scielosp.org/article/rpsp/2002.v12n3/149-152/>  
Ottawa Charter for Health Promotion, **1986** [5 pages]  
[https://www.euro.who.int/\\_data/assets/pdf\\_file/0004/129532/Ottawa\\_Charter.pdf](https://www.euro.who.int/_data/assets/pdf_file/0004/129532/Ottawa_Charter.pdf)

### 4. Global Attempts to Achieve Health for All

World Health Organization. Declaration of Alma-Ata (**1978**) [3 page-long]  
[https://www.euro.who.int/\\_data/assets/pdf\\_file/0009/113877/E93944.pdf](https://www.euro.who.int/_data/assets/pdf_file/0009/113877/E93944.pdf)

WHO and UNICEF. Primary Health Care (**1978**) [The report consists of 77 page-long text]  
<https://www.unicef.org/media/85611/file/Alma-Ata-conference-1978-report.pdf>

Walsh JA, Warren KS. Selective primary health care: an interim strategy for disease control in developing countries. N Engl J Med. **1979 Nov** 1;301(18):967-74. doi: 10.1056/NEJM197911013011804. PMID: 114830. <https://www.nejm.org/doi/full/10.1056/nejm197911013011804>

Walsh JA, Warren KS. Selective primary health care: an interim strategy for disease control in developing countries. Soc Sci Med Med Econ. **1980 Jun**;14(2):145-63. doi: 10.1016/0160-7995(80)90034-9. PMID: 7403901.

<https://reader.elsevier.com/reader/sd/pii/0160799580900349?token=D1BE6DA2CF7D1C7E442D31C5242FDFB139DE51E3156AD5BB8BD0DE2BE0B8EA19127D450D94F8BFDC89C49704678F18EC&originRegion=us-east-1&originCreation=20220731082024>

Sandy Caimcross, Hervé Peris, Felicity Cutts. Vertical health programmes. *Lancet* 1997; 349 (suppl III): 20-22 <https://www.thelancet.com/action/showPdf?pii=S0140-6736%2897%2990079-9>

Dhillon RS, Karan A, Marten R. A perpendicular framing for global health. *Lancet*. 2019 Nov 9;394(10210):1708. doi: 10.1016/S0140-6736(19)32464-X. Epub 2019 Oct 17. PMID: 31630792. <https://www.sciencedirect.com/science/article/pii/S014067361932464X?via%3Dihub>

## **5. Attempt to Achieve Better Performing Health System**

Bogdan M. Kleczkowski, Milton I. Roemer, Albert van der Werff. National health systems and their reorientation towards health for all: guidelines for policy-making (WHO) 1984 [120 page-long] [https://apps.who.int/iris/bitstream/handle/10665/41638/WHO\\_PHP\\_77.pdf?sequence=1&isAllowed=y](https://apps.who.int/iris/bitstream/handle/10665/41638/WHO_PHP_77.pdf?sequence=1&isAllowed=y)

## **6. Revisiting Health System Perspectives for the Future Development (1)**

Lawn JE, Rohde J, Rifkin S, Were M, Paul VK, Chopra M. Alma-Ata 30 years on: revolutionary, relevant, and time to revitalise. *Lancet*. 2008 Sep 13;372(9642):917-27. doi: 10.1016/S0140-6736(08)61402-6. PMID: 18790315. <https://reader.elsevier.com/reader/sd/pii/S0140673608614026?token=1245C8512FB11AEF1D88D3066D5EA4CED4F29956012C63844CF61BE0EE86EAD32AA3635C4AD7AC9F63B70E6ABABAAE0B&originRegion=us-east-1&originCreation=20220731080846>

Walley J, Lawn JE, Tinker A, de Francisco A, Chopra M, Rudan I, Bhutta ZA, Black RE; Lancet Alma-Ata Working Group. Primary health care: making Alma-Ata a reality. *Lancet*. 2008 Sep 13;372(9642):1001-7. doi: 10.1016/S0140-6736(08)61409-9. PMID: 18790322. <https://reader.elsevier.com/reader/sd/pii/S0140673608614099?token=7EA9F574D6A27870BF38CBFAA9F099F116F31D7DD1F036F9B506E9498F37DC6B1024F893F6619C1B233EDA2DDCE86A86&originRegion=us-east-1&originCreation=20220731083031>

Reich MR, Takemi K. G8 and strengthening of health systems: follow-up to the Toyako summit. *Lancet*. 2009 Feb 7;373(9662):508-15. doi: 10.1016/S0140-6736(08)61899-1. Epub 2009 Jan 14. PMID: 19150128. <https://reader.elsevier.com/reader/sd/pii/S0140673608618991?token=BC6D73D6D9AAAD9617A6469020E707183561DDCF9A796B46EE8E8C8ED19569489BA241ED8C8E38919BD4FB4101B64E28&originRegion=us-east-1&originCreation=20220731083659>

## **7. Revisiting Health System Perspectives for the Future Development (2)**

World Health Organization Maximizing Positive Synergies Collaborative Group, Samb B, Evans T, Dybul M, Atun R, Moatti JP, Nishtar S, Wright A, Celletti F, Hsu J, Kim JY, Brugha R, Russell A, Etienne C. An assessment of interactions between global health initiatives and country health systems. *Lancet*. 2009

Jun 20;373(9681):2137-69. doi: 10.1016/S0140-6736(09)60919-3. Erratum in: Lancet. 2015 Apr 18;385:1510. Cailhol, Johann [added]. PMID: 19541040.

[https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(09\)60919-3/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(09)60919-3/fulltext)

Boerma T, Eozenou P, Evans D, Evans T, Kieny MP, Wagstaff A. Monitoring progress towards universal health coverage at country and global levels. PLoS Med. 2014 Sep 22;11(9):e1001731. doi: 10.1371/journal.pmed.1001731. PMID: 25243899; PMCID: PMC4171369.

<https://journals.plos.org/plosmedicine/article?id=10.1371/journal.pmed.1001731>

Regan L, Wilson D, Chalkidou K, Chi YL. The journey to UHC: how well are vertical programmes integrated in the health benefits package? A scoping review. BMJ Glob Health. 2021 Aug;6(8):e005842. doi: 10.1136/bmjgh-2021-005842. PMID: 34344664; PMCID: PMC8336212.

<https://gh.bmj.com/content/6/8/e005842>

## **8. Quality and Coverage Together in Health System**

Kruk ME, Gage AD, Arsenault C, Jordan K, Leslie HH, Roder-DeWan S, Adeyi O, Barker P, Daelmans B, Doubova SV, English M, García-Elorrio E, Guanais F, Gureje O, Hirschhorn LR, Jiang L, Kelley E, Lemango ET, Liljestrand J, Malata A, Marchant T, Matsoso MP, Meara JG, Mohanan M, Ndiaye Y, Norheim OF, Reddy KS, Rowe AK, Salomon JA, Thapa G, Twum-Danso NAY, Pate M. High-quality health systems in the Sustainable Development Goals era: time for a revolution. Lancet Glob Health. 2018 Nov;6(11):e1196-e1252. doi: 10.1016/S2214-109X(18)30386-3. Epub 2018 Sep 5. Erratum in: Lancet Glob Health. 2018 Sep 18;: Erratum in: Lancet Glob Health. 2018 Nov;6(11):e1162. Erratum in: Lancet Glob Health. 2021 Aug;9(8):e1067. PMID: 30196093; PMCID: PMC7734391.

<https://www.sciencedirect.com/science/article/pii/S2214109X18303863?via%3Dihub>

Lee HY, Leslie HH, Oh J, Kim R, Kumar A, Subramanian SV, Kruk ME. The association between institutional delivery and neonatal mortality based on the quality of maternal and newborn health system in India. Sci Rep. 2022 Apr 13;12(1):6220. doi: 10.1038/s41598-022-10214-y. PMID: 35418654; PMCID: PMC9007995. <https://www.nature.com/articles/s41598-022-10214-y>

## **9. Vitalizing Primary Health Care in Health System**

Hanson K, Brikci N, Erlangga D, Alebachew A, De Allegri M, Balabanova D, Blecher M, Cashin C, Esperato A, Hipgrave D, Kalisa I, Kurowski C, Meng Q, Morgan D, Mtei G, Nolte E, Onoka C, Powell-Jackson T, Roland M, Sadanandan R, Stenberg K, Vega Morales J, Wang H, Wurie H. The Lancet Global Health Commission on financing primary health care: putting people at the centre. Lancet Glob Health. 2022 May;10(5):e715-e772. doi: 10.1016/S2214-109X(22)00005-5. Epub 2022 Apr 4. PMID: 35390342; PMCID: PMC9005653. <https://www.sciencedirect.com/science/article/pii/S2214109X22000055?via%3Dihub>

### **Section 3. Health System Performance: last 30 years**

#### **10. Health System Performance**

GBD 2019 Universal Health Coverage Collaborators. Measuring universal health coverage based on an index of effective coverage of health services in 204 countries and territories, 1990-2019: a systematic analysis for the Global Burden of Disease Study 2019. *Lancet*. 2020 Oct 17;396(10258):1250-1284. doi: 10.1016/S0140-6736(20)30750-9. Epub 2020 Aug 27. PMID: 32861314; PMCID: PMC7562819.  
<https://www.sciencedirect.com/science/article/pii/S0140673620307509?via%3Dihub>

GBD 2019 Diseases and Injuries Collaborators. Global burden of 369 diseases and injuries in 204 countries and territories, 1990-2019: a systematic analysis for the Global Burden of Disease Study 2019. *Lancet*. 2020 Oct 17;396(10258):1204-1222. doi: 10.1016/S0140-6736(20)30925-9. Erratum in: *Lancet*. 2020 Nov 14;396(10262):1562. PMID: 33069326; PMCID: PMC7567026.  
<https://www.sciencedirect.com/science/article/pii/S0140673620309259?via%3Dihub>

#### **Section 4. Controversies in Health System Development in LMICs**

##### **11. Discrepancy Between Health Needs and Development Assistance in Health (DAH) as a Legacy of Imperialism and Corruptions**

Website information exploration using all the tabs:

- Global Burden of Diseases <https://vizhub.healthdata.org/gbd-compare/>
- Financing in Global Health <https://vizhub.healthdata.org/fgh/>

E. RICHARD BROWN, PHD. Public Health in Imperialism: Early Rockefeller Programs at Home and Abroad. *American Journal of Public Health* September, 1976, Vol. 66, No. 9  
<https://ajph.aphapublications.org/doi/pdf/10.2105/ajph.66.9.897>

García PJ. Corruption in global health: the open secret. *Lancet*. 2019 Dec 7;394(10214):2119-2124. doi: 10.1016/S0140-6736(19)32527-9. Epub 2019 Nov 27. PMID: 31785827.  
<https://www.sciencedirect.com/science/article/pii/S0140673619325279>

#### **Section 5. National System and Program Perspectives**

##### **Health System- National Perspective: cases of 9 countries:**

Guest Lecturers and Registered Students Presentations (at 4-5pm from 6<sup>th</sup> week to 14<sup>th</sup> week):  
about 9 countries

##### **12. A path from efficacy to effectiveness and health policy decisions: A case of GeneXpert technology for Tuberculosis**

Boehme et al. Rapid molecular detection of tuberculosis and rifampin resistance (2010)  
<https://www.nejm.org/doi/full/10.1056/nejmoa0907847>

Pai, Schumacher, and Abimbola. Surrogate endpoints in global health research: still searching for killer apps and silver bullets? (2018) <https://gh.bmj.com/content/3/2/e000755>

Cattamanchi et al. Multicomponent strategy with decentralized molecular testing for tuberculosis (2021)  
<https://www.nejm.org/doi/full/10.1056/NEJMoa2105470>

## **Section 6. National Reforms towards Sustainable Health System with Better Performance in terms of Quality and Equity**

### **13. Cases in US and Korea**

Song Z, Ji Y, Safran DG, Chernew ME. Health Care Spending, Utilization, and Quality 8 Years into Global Payment. *New England Journal of Medicine*. 2019 Jul 18;381(3):252-263.

[https://www.nejm.org/doi/10.1056/NEJMsa1813621?url\\_ver=Z39.88-2003&rfr\\_id=ori:rid:crossref.org&rfr\\_dat=cr\\_pub%20%20pubmed](https://www.nejm.org/doi/10.1056/NEJMsa1813621?url_ver=Z39.88-2003&rfr_id=ori:rid:crossref.org&rfr_dat=cr_pub%20%20pubmed)

Lee HY, Oh J, Kawachi I. Changes In Catastrophic Health Expenditures For Major Diseases After A 2013 Health Insurance Expansion In South Korea. *Health Aff (Millwood)*. 2022 May;41(5):722-731. doi: 10.1377/hlthaff.2021.01320. PMID: 35500181.

<https://www.healthaffairs.org/doi/10.1377/hlthaff.2021.01320>

Sujin Kim and Soonman Kwon, " Impact of the Policy of Expanding Benefit Coverage for Cancer Patients on Catastrophic Health Expenditure across Different Income Groups in South Korea" *Social Science and Medicine* 138, 2015, 241-247

<https://www.sciencedirect.com/science/article/pii/S0277953615003445?via%3Dihub>

Oh J, Ko Y, Baer Alley A, Kwon S. Participation of the Lay Public in Decision-Making for Benefit Coverage of National Health Insurance in South Korea. *Health Syst Reform*. 2015 Jan 2;1(1):62-71. doi: 10.4161/23288604.2014.991218. PMID: 31519081.

<https://www.tandfonline.com/doi/full/10.4161/23288604.2014.991218>

### **14. Cases in Viet Nam and India**

Lee HY, Oh J, Hoang VM, Moon JR, Subramanian SV. Use of high-level health facilities and catastrophic expenditure in Vietnam: can health insurance moderate this relationship? *BMC Health Serv Res*. 2019 May 21;19(1):318. doi: 10.1186/s12913-019-4115-0. PMID: 31113490; PMCID: PMC6528376.

<https://bmchealthservres.biomedcentral.com/articles/10.1186/s12913-019-4115-0>

Heo J, Kim SY, Yi J, Yu SY, Jung DE, Lee S, Jung JY, Kim H, Do N, Lee HY, Nam YS, Hoang VM, Luu NH, Lee JK, Tran TGH, Oh J. Maternal, neonatal, and child health systems under rapid urbanization: a qualitative study in a suburban district in Vietnam. *BMC Health Serv Res*. 2020 Feb 5;20(1):90. doi: 10.1186/s12913-019-4874-7. PMID: 32024537; PMCID: PMC7003413.

<https://bmchealthservres.biomedcentral.com/articles/10.1186/s12913-019-4874-7>

Lee HY, Oh J, Kim R, Subramanian SV. Long-term trend in socioeconomic inequalities and geographic variation in the utilization of antenatal care service in India between 1998 and 2015. *Health Serv Res*. 2020 Jun;55(3):419-431. doi: 10.1111/1475-6773.13277. Epub 2020 Mar 4. PMID: 32133652; PMCID: PMC7240766. <https://onlinelibrary.wiley.com/doi/10.1111/1475-6773.13277>

Semrau KEA, Hirschhorn LR, Marx Delaney M, Singh VP, Saurastri R, Sharma N, Tuller DE, Firestone R, Lipsitz S, Dhingra-Kumar N, Kodkany BS, Kumar V, Gawande AA; BetterBirth Trial Group. Outcomes of a Coaching-Based WHO Safe Childbirth Checklist Program in India. *N Engl J Med*. 2017 Dec 14;377(24):2313-2324. doi: 10.1056/NEJMoa1701075. PMID: 29236628; PMCID: PMC5672590.

[https://www.nejm.org/doi/10.1056/NEJMoa1701075?url\\_ver=Z39.88-2003&rfr\\_id=ori:rid:crossref.org&rfr\\_dat=cr\\_pub%20%20www.ncbi.nlm.nih.gov](https://www.nejm.org/doi/10.1056/NEJMoa1701075?url_ver=Z39.88-2003&rfr_id=ori:rid:crossref.org&rfr_dat=cr_pub%20%20www.ncbi.nlm.nih.gov)

### **15. Cases in China and Brazil**

Yip W, Fu H, Chen AT, Zhai T, Jian W, Xu R, Pan J, Hu M, Zhou Z, Chen Q, Mao W, Sun Q, Chen W. 10 years of health-care reform in China: progress and gaps in Universal Health Coverage. *Lancet*. 2019 Sep 28;394(10204):1192-1204. doi: 10.1016/S0140-6736(19)32136-1. PMID: 31571602.

<https://www.sciencedirect.com/science/article/pii/S0140673619321361?via%3Dihub>

Castro MC, Massuda A, Almeida G, Menezes-Filho NA, Andrade MV, de Souza Noronha KVM, Rocha R, Macinko J, Hone T, Tasca R, Giovanella L, Malik AM, Werneck H, Fachini LA, Atun R. Brazil's unified health system: the first 30 years and prospects for the future. *Lancet*. 2019 Jul 27;394(10195):345-356. doi: 10.1016/S0140-6736(19)31243-7. Epub 2019 Jul 11. PMID: 31303318.

<https://www.sciencedirect.com/science/article/pii/S0140673619312437?via%3Dihub>