

SPPH 481D: Global Health Policy and Systems

Fall 2023

Time: Tuesdays and Thursdays 1030am – 1150 am

Place: Food, Nutrition, and Health Building Room 30

The land on which we gather is the traditional, ancestral, and unceded territory of the xwməθkwəyəm (Musqueam) People.

Course description

This course is intended as an introduction to key global health issues particularly around the health system and relevant policies. This course is organized into three blocks.

1. The first block highlights key considerations that constrain and drive health system agenda, policies, and directions. We thus briefly introduce the students to the concepts around social determinants of health, major population transitions, climate change, and economic development.
2. The second block focuses specifically on health systems. We begin with an introduction into the world-renowned control knob framework by sequentially discussing its key components. The appreciation of this powerful deterministic framework and its underlying theoretical foundation will unlock more nuanced comparative understanding of archetypal approaches to universal health coverage. These will draw on in-depth case studies of the Canadian, German, Dutch, and Singaporean health studies.
3. The third part of the course topical issues that face health systems. This will help the students appreciate the rapidly moving and complex contexts affecting health system policymakers and practitioners. The real-life examples will help the students spark novel and practical insight into how they could realistically fit their work into the health system improvement efforts.

Objectives

The course will prepare students to:

- Describe and analyze how key global health issues drive and envelope major global health system dynamics and challenges; and
- Describe, analyze, and propose solutions to the shortcomings of health system challenges.

Course improvements

Every two weeks, we will hold a *quality circle*. This provides an informal opportunity for students to share their feedback with the teaching team so that the teaching team can continuously improve. The sessions should last for no more than 15 minutes. The students can sign up for these sessions at the start of the term.

Teaching Team:

Faculty: Sian Tsuei

Department of Family Practice

E-mail: sian.tsuei@ubc.ca

Office hour time: Tuesday and Thursday 1215pm – 115pm or by appointment

Office hour location:

- In-person at School of Population and Public Health room 147

- Zoom link:

<https://ubc.zoom.us/j/62491282007?pwd=cUs2ZXk4YS9oaHozZjdiQVp2elpxUT09> (password: 123456).

Teaching Assistant: Amarildo Ceka

E-mail: amceka@gmail.com

Office hours: by appointment

Course materials

The course content will be available via Canvas (<https://canvas.ubc.ca/courses/126150>). The website will include reading material, lecture slides, discussion boards, assignments, and course-related notifications. All students are expected to have read over the reading material before class.

Evaluation

Attendance (10%)

Attendance in person is mandatory. Please provide the teaching team at least two days of advanced notice relative to the session missed if you do expect to miss a session.

Participation (10%)

Students are encouraged to participate actively in class or via discussion boards on Canvas. Both quantity and quality of participation will be considered. The quality of participation will be evaluated based on the thoughtfulness of engagement with the course material and the contribution to overall learning environment. Advanced contributions will demonstrate evidence beyond the material presented and examine the logic, assumptions, and implications of various examples, concepts, and theories presented.

Midterm (35%)

The midterm will be done in class and test key concepts covered in class up to the point of the midterm. The exam will be closed-book and closed-notes. The majority of the weight will be based on multiple choice questions with a few short answer questions.

Final group project (45%)

The final group project will ask the students to tackle a health system analysis and propose policy recommendations. This project will help students consolidate all the theoretical and practical

knowledge gleaned throughout the course to solve tangible health system challenges. There will be an oral presentation component and a written paper component.

Academic integrity

Academic integrity is crucial to the academic community. Please be sure to clearly cite your sources and avoid plagiarism. For a list of useful citation management software, please see <https://guides.library.ubc.ca/citationmanagement/Endnote>.

Usage of artificial intelligence such as ChatGPT can appear human-like. As it could misrepresent the student's knowledge, it is **not** allowed for course work. Usage of such technology for academic work in this course would constitute academic misconduct.

Academic misconduct may result in disciplinary actions. Further information is available here: <https://vancouver.calendar.ubc.ca/campus-wide-policies-and-regulations/student-conduct-and-discipline/discipline-academic-misconduct>.

Course schedule

Block 1	
9/5	Imagine UBC 2023 No class
Goals: - None	Required readings: None Optional readings: None
9/7	1 Introduction
Goals: - Introduce course goals, content, trajectory, and expectations - Introduce students to each other - Introduce global health	<p>Required readings:</p> <ol style="list-style-type: none"> Koplan, J. P., T Christopher Bond, Michael H Merson, K Srinath Reddy, Mario Henry Rodriguez, Nelson K Sewankambo, & Judith N Wasserheit. (2009). Towards a common definition of global health. <i>Lancet</i>, 373(9679), 1993–1995. Greene et al, Colonial medicine and its legacies from Reimagining Global Health: An Introduction (2013) <p>Optional readings:</p> <ol style="list-style-type: none"> Seye Abimbola, On the meaning of global health and the role of global health journals, <i>International Health</i>, Volume 10, Issue 2, March 2018, Pages 63–65, https://doi.org/10.1093/inthealth/ihy010 Khan, T., Abimbola, S., Kyobutungi, C., & Pai, M. (2022). How we classify countries and people—And why it matters. <i>BMJ Global Health</i>, 7(6), e009704. https://doi.org/10.1136/bmjgh-2022-009704 Randall Packard, Chapter 1: Introduction: Ebola. <i>A History of Global Health: Interventions Into the Lives of Other People</i>. Johns Hopkins University Press: Baltimore, MD (2016)
9/12	2 Decolonizing global health
Goals:	Required readings:

<p>- Discuss history of global health</p> <p>- Highlight ethical challenges to global health</p>	<ol style="list-style-type: none"> 1. Abimbola, S., & Pai, M. (2020). Will global health survive its decolonisation? <i>The Lancet</i>, 396(10263), 1627–1628. https://doi.org/10.1016/S0140-6736(20)32417-X 2. Abimbola, S., Asthana, S., Montenegro, C., Guinto, R. R., Jumbam, D. T., Louskieter, L., ... & Pai, M. (2021). Addressing power asymmetries in global health: Imperatives in the wake of the COVID-19 pandemic. <i>PLoS medicine</i>, 18(4), e1003604. <p>Optional readings:</p> <ol style="list-style-type: none"> 1. Amrith, S, 2006. Chapter 1: Depression and the Internationalization of Public Health. <i>Decolonizing International Health India and Southeast Asia, 1930–65.</i> 2. Büyüm, A. M., Kenney, C., Koris, A., Mkumba, L., & Raveendran, Y. (2020). Decolonising global health: If not now, when? <i>BMJ Global Health</i>, 5(8), e003394. https://doi.org/10.1136/bmjgh-2020-003394 3. Khan, M., Abimbola, S., Aloudat, T., Capobianco, E., Hawkes, S., & Rahman-Shepherd, A. (2021). Decolonising global health in 2021: A roadmap to move from rhetoric to reform. <i>BMJ Global Health</i>, 6(3), e005604. https://doi.org/10.1136/bmjgh-2021-005604
<p>9/14</p>	<p>3 Climate change</p>
<p>Goals:</p> <p>- Highlight burden of disease from climate change</p> <p>- Introduce environmental justice</p>	<p>Speaker: Barrak Alahmad</p> <p>Required readings:</p> <ol style="list-style-type: none"> 1. Mohai, P., Pellow, D., & Roberts, J. T. (2009). Environmental Justice. <i>Annual Review of Environment and Resources</i>, 34(1), 405–430. https://doi.org/10.1146/annurev-environ-082508-094348 2. Fawzy, S., Osman, A. I., Doran, J., & Rooney, D. W. (2020). Strategies for mitigation of climate change: A review. <i>Environmental Chemistry Letters</i>, 18(6), 2069–2094. https://doi.org/10.1007/s10311-020-01059-w <p>Optional readings:</p> <ol style="list-style-type: none"> 1. IPCC. (2023). <i>Summary for Policymakers</i> (Core Writing Team, H. Lee, & J. Romero, Eds.). IPCC, Geneva, Switzerland. https://www.ipcc.ch/report/ar6/syr/downloads/report/IPCC_AR6_SYR_SPM.pdf 2. Zhao, Q., Guo, Y., Ye, T., Gasparrini, A., Tong, S., Overcenco, A., Urban, A., Schneider, A., Entezari, A., Vicedo-Cabrera, A. M., Zanobetti, A., Analitis, A., Zeka, A., Tobias, A., Nunes, B., Alahmad, B., Armstrong, B., Forsberg, B., Pan, S.-C., ... Li, S. (2021). Global, regional, and national burden of mortality associated with non-optimal ambient temperatures from 2000 to 2019: A three-stage modelling study. <i>The Lancet Planetary Health</i>, 5(7), e415–e425. https://doi.org/10.1016/S2542-5196(21)00081-4 3. Romanello, M., Napoli, C. D., Drummond, P., Green, C., Kennard, H., Lampard, P., Scamman, D., Arnell, N., Ayeb-Karlsson, S., Ford, L. B., Belesova, K., Bowen, K., Cai, W., Callaghan, M., Campbell-Lendrum, D., Chambers, J., Daalen, K. R. van, Dalin, C., Dasandi, N., ...

	<p>Costello, A. (2022). The 2022 report of the Lancet Countdown on health and climate change: Health at the mercy of fossil fuels. <i>The Lancet</i>, 400(10363), 1619–1654. https://doi.org/10.1016/S0140-6736(22)01540-9</p> <p>4. Hill, A. (2023). The Age of Climate Disaster Is Here. <i>Foreign Affairs</i>. https://www.foreignaffairs.com/world/age-climate-disaster-here-extreme-weather?utm_medium=newsletters&utm_source=fatoday&utm_campaign=The%20Price%20of%20Fragmentation&utm_content=20230825&utm_term=FA%20Today%20-%20112017</p>
9/19	4 Demographic and epidemiologic transitions
<p>Goals: - Introduce demographic and epidemiologic transitions</p>	<p>Required readings:</p> <ol style="list-style-type: none"> 1. Watch 2:51 to 5:33 of the video on demographic transition at https://www.youtube.com/watch?v=6P2bsPWCRvM&t=394s 2. Watch 0:00 to 2:10 of Epidemiological transition video at https://www.youtube.com/watch?v=nt3d4oMmByI <p>Optional readings:</p> <ol style="list-style-type: none"> 1. [Read summary section only—pp. ix to xiv] from Bloom, D. E., Sevilla, J., & Canning, D. (2003). <i>Demographic Dividend: New Perspective on Economic Consequences Population Change</i> (Illustrated edition). RAND Corporation. 2. Warner, B. (2023, January 21). Who wants to live forever? <i>The New York Times</i>. https://www.nytimes.com/2023/01/21/business/dealbook/demographic-crisis.html 3. Bygbjerg, I. C. (2012). Double burden of noncommunicable and infectious diseases in developing countries. <i>Science</i> (New York, N.Y.), 337(6101). https://doi.org/10.1126/science.1223466 4. Lee, R. (2003). The Demographic Transition: Three Centuries of Fundamental Change. <i>Journal of Economic Perspectives</i>, 17(4), 167–190. https://doi.org/10.1257/089533003772034943 5. Omran, A. R. (2005). The Epidemiologic Transition: A Theory of the Epidemiology of Population Change. <i>The Milbank Quarterly</i>, 83(4), 731–757. https://doi.org/10.1111/j.1468-0009.2005.00398.x
9/21	5 Economic development
<p>Goals: - Introduce fiscal space concept - Illustrate how fiscal space constrains government and individual</p>	<p>Required readings:</p> <ol style="list-style-type: none"> 1. Bloom, D. E., & Canning, D. (2007). Commentary: The Preston Curve 30 years on: still sparking fires. <i>International Journal of Epidemiology</i>, 36(3), 498–499. https://doi.org/10.1093/ije/dym079 2. Federal Reserve Bank of St. Louis. (2023). <i>What are the Factors of Production</i>. Federal Reserve Bank of St. Louis. https://www.stlouisfed.org/education/economic-lowdown-podcast-series/episode-2-factors-of-production <p>Optional readings:</p>

priorities and actions	<ol style="list-style-type: none"> 1. La Porta, R., & Shleifer, A. (2008). <i>The Unofficial Economy and Economic Development</i> (Working Paper 14520). National Bureau of Economic Research. https://doi.org/10.3386/w14520 2. Chu, K.-Y., Gupta, S., Clements, B., Hewitt, D., Lugaresi, S., Schiff, J., Schuknecht, L., & Schwartz, G. (1995). <i>Analysis—Appendix: Patterns of Government Expenditure by Country Groups</i>. https://www.imf.org/external/pubs/ft/pam/pam48/pam4805.htm
Block 2	
9/26	6 Introduction to health systems
Goals: - Introduce control knob framework and building blocks framework - Introduce universal health coverage and sustainable development goals	Required readings: <ol style="list-style-type: none"> 1. Hsiao W. T, 2003, “What is a Health System” (Available on Canvas) 2. Chapter 2 of Roberts, M., Hsiao, W., Berman, P., & Reich, M. (2008). <i>Getting Health Reform Right: A Guide to Improving Performance and Equity</i>. Oxford University Press, Incorporated. http://ebookcentral.proquest.com/lib/ucb/detail.action?docID=3053612 Optional readings: <ol style="list-style-type: none"> 1. WHO. (2019). <i>SDG 3: Ensure healthy lives and promote wellbeing for all at all ages</i>. WHO. http://www.who.int/sdg/targets/en/ 2. Everybody’s business — Strengthening health systems to improve health outcomes. WHO’s framework for action. Geneva, World Health Organization, 2007. Pp.1-34.
9/28	7 Market and government failures
Goals: - Introduce health care market - Introduce key market and government failures	Required readings: <ol style="list-style-type: none"> 1. Hsiao, W. C. (1995). Abnormal economics in the health sector. <i>Health Policy</i> (Amsterdam, Netherlands), 32(1–3), 125–139. 2. Market- vs. government-oriented approaches to economy: https://www.youtube.com/watch?v=B43YEW2FvDs Optional readings: <ol style="list-style-type: none"> 1. Bradley, J., Gebrekidan, S., & McCann, A. (2020, December 17). Waste, Negligence and Cronyism: Inside Britain’s Pandemic Spending. <i>The New York Times</i>. https://www.nytimes.com/interactive/2020/12/17/world/europe/britain-covid-contracts.html 2. Kitroeff, N., & Taj, M. (2020, June 20). Latin America’s Virus Villains: Corrupt Officials Collude With Price Gougers for Body Bags and Flimsy Masks. <i>The New York Times</i>. https://www.nytimes.com/2020/06/20/world/americas/coronavirus-latin-america-corruption.html
10/3	8 Financing
Goals - Describe health system	Speaker: Annie Haakenstad Required readings:

financing options' pragmatic and ethical implications	<ol style="list-style-type: none"> Chapter 8 of Roberts, M., Hsiao, W., Berman, P., & Reich, M. (2008). <i>Getting Health Reform Right: A Guide to Improving Performance and Equity</i>. Oxford University Press, Incorporated. http://ebookcentral.proquest.com/lib/ubc/detail.action?docID=3053612 <p>Optional readings:</p> <ol style="list-style-type: none"> Chang, A. Y., Cowling, K., Micah, A. E., Chapin, A., Chen, C. S., Ikilezi, G., Sadat, N., Tsakalos, G., Wu, J., Younker, T., Zhao, Y., Zlavog, B. S., Abbafati, C., Ahmed, A. E., Alam, K., Alipour, V., Aljunid, S. M., Almalki, M. J., Alvis-Guzman, N., ... Dieleman, J. L. (2019). Past, present, and future of global health financing: A review of development assistance, government, out-of-pocket, and other private spending on health for 195 countries, 1995–2050. <i>The Lancet</i>, 393(10187), 2233–2260. https://doi.org/10.1016/S0140-6736(19)30841-4
10/5	9 Payment
Goals - Describe various provider payment options, their attendant strengths and weaknesses - Highlight modern considerations for advanced payment methods	<p>Required readings:</p> <ol style="list-style-type: none"> Chapter 9 of Roberts, M., Hsiao, W., Berman, P., & Reich, M. (2008). <i>Getting Health Reform Right: A Guide to Improving Performance and Equity</i>. Oxford University Press, Incorporated. http://ebookcentral.proquest.com/lib/ubc/detail.action?docID=3053612 <p>Optional readings:</p> <ol style="list-style-type: none"> Yip W, Hsiao W, Meng Q, Chen W, Sun X. Realignment of Incentives for Health-Care Providers in China. <i>The Lancet</i>. 2010;375(9720): 1120-30. CBC. (2023). <i>B.C. launches new payment model for family doctors</i>. CBC. https://www.cbc.ca/news/canada/british-columbia/bc-doctor-payment-model-2023-changes-1.6733569 Tevaarwerk, G. J. M. (2023). Does the Longitudinal Family Physician Payment Model improve health care, including sustainability? <i>BC Medical Journal</i>, 65(7). https://bcmj.org/articles/does-longitudinal-family-physician-payment-model-improve-health-care-including#:~:text=It%20addresses%20the%20lost%20capacity,physician%20of%20a%20decade%20ago
10/10	10 Organization
Goals - Describe macro, meso, and micro organizational considerations in health systems - Describe private vs. public service delivery	<p>Required readings:</p> <ol style="list-style-type: none"> Chapter 10 of Roberts, M., Hsiao, W., Berman, P., & Reich, M. (2008). <i>Getting Health Reform Right: A Guide to Improving Performance and Equity</i>. Oxford University Press, Incorporated. http://ebookcentral.proquest.com/lib/ubc/detail.action?docID=3053612 <p>Optional readings:</p> <ol style="list-style-type: none"> Hanson, K., Gilson, L., Goodman, C., Mills, A., Smith, R., Feachem, R., Feachem, N. S., Koehlmoos, T. P., & Kinlaw, H. (2008). Is Private Health Care the Answer to the Health Problems of the World's Poor? <i>PLoS Medicine</i>, 5(11), e233. https://doi.org/10.1371/journal.pmed.0050233

	<ol style="list-style-type: none"> 2. Basu, S., Andrews, J., Kishore, S., Panjabi, R., & Stuckler, D. (2012). Comparative Performance of Private and Public Healthcare Systems in Low- and Middle-Income Countries: A Systematic Review. <i>PLoS Medicine</i>, 9(6). https://doi.org/10.1371/journal.pmed.1001244 3. Kruse, F. M., Stadhouders, N. W., Adang, E. M., Groenewoud, S., & Jeurissen, P. P. T. (2018). Do private hospitals outperform public hospitals regarding efficiency, accessibility, and quality of care in the European Union? A literature review. <i>The International Journal of Health Planning and Management</i>, 33(2), e434–e453. https://doi.org/10.1002/hpm.2502 4. Burke, W. W., & Litwin, G. H. (1992). A Causal Model of Organizational Performance and Change. <i>Journal of Management</i>, 18(3), 523–545. https://doi.org/10.1177/014920639201800306
10/12	11 Regulation
<p>Goals</p> <ul style="list-style-type: none"> - Describe the goals of health system regulations - Illustrate challenges of developing and implementing of health system regulations 	<p>Required readings:</p> <ol style="list-style-type: none"> 1. Pp. 257 – 273 in Chapter 11 of Roberts, M., Hsiao, W., Berman, P., & Reich, M. (2008). <i>Getting Health Reform Right: A Guide to Improving Performance and Equity</i>. Oxford University Press, Incorporated. http://ebookcentral.proquest.com/lib/ubc/detail.action?docID=3053612 <p>Optional readings:</p> <ol style="list-style-type: none"> 1. Erfani, P., Binagwaho, A., Jalloh, M. J., Yunus, M., Farmer, P., & Kerry, V. (2021). Intellectual property waiver for covid-19 vaccines will advance global health equity. <i>BMJ</i>, 374, n1837. https://doi.org/10.1136/bmj.n1837 2. Collier, R. (2012). Professionalism: The privilege and burden of self-regulation. <i>CMAJ</i>, 184(14), 1559–1560. https://doi.org/10.1503/cmaj.109-4286 3. Blumenthal, D., Collins, S. R., & Fowler, E. J. (2020). The Affordable Care Act at 10 Years—Its Coverage and Access Provisions. <i>New England Journal of Medicine</i>, 382(10), 963–969. https://doi.org/10.1056/NEJMp1916091
10/17	12 Behaviour
<p>Goals</p> <ul style="list-style-type: none"> - Describe the importance of health system information for suppliers and consumers - Illustrate the impact of misinformation on provider and/or patient behaviours 	<p>Required readings:</p> <ol style="list-style-type: none"> 1. Pp. 281-288 in Chapter 12 of Roberts, M., Hsiao, W., Berman, P., & Reich, M. (2008). <i>Getting Health Reform Right: A Guide to Improving Performance and Equity</i>. Oxford University Press, Incorporated. http://ebookcentral.proquest.com/lib/ubc/detail.action?docID=3053612 <p>Optional readings:</p> <ol style="list-style-type: none"> 1. Swire-Thompson, B., & Lazer, D. (2020). Public Health and Online Misinformation: Challenges and Recommendations. <i>Annual Review of Public Health</i>, 41, 433–451. https://doi.org/10.1146/annurev-publhealth-040119-094127 2. Thinking, fast and slow by Daniel Kahneman Animated book summary https://www.youtube.com/watch?v=uqXVAo7dVRU 3. A closer look at nudging with Richard Thaler https://www.youtube.com/watch?v=nQ_9m7yERUw

10/19	14 Canada
<p>Goals</p> <ul style="list-style-type: none"> - Describe the Canadian health system - Highlight the tax-based, single-payer approach for universal health coverage 	<p>Required readings:</p> <ol style="list-style-type: none"> 1. Class note: Description of Canadian Health System <p>Optional readings:</p> <ol style="list-style-type: none"> 2. Tikkanen, R., Osborn, R., Mossialos, E., Djordjevic, A., & Wharton, G. A. (2020e, June 5). <i>Canada</i>. Commonwealth Fund. https://www.commonwealthfund.org/international-health-policy-center/countries/canada 1. Martin, D., Miller, A. P., Quesnel-Vallée, A., Caron, N. R., Vissandjée, B., & Marchildon, G. P. (2018). Canada’s universal health-care system: Achieving its potential. <i>The Lancet</i>, 391(10131), 1718–1735. https://doi.org/10.1016/S0140-6736(18)30181-8 2. Rudoler, D., Peterson, S., Stock, D., Taylor, C., Wilton, D., Blackie, D., Burge, F., Glazier, R. H., Goldsmith, L., Grudniewicz, A., Hedden, L., Jamieson, M., Katz, A., MacKenzie, A., Marshall, E., McCracken, R., McGrail, K., Scott, I., Wong, S. T., & Lavergne, M. R. (2022). Changes over time in patient visits and continuity of care among graduating cohorts of family physicians in 4 Canadian provinces. <i>CMAJ</i>, 194(48), E1639–E1646. https://doi.org/10.1503/cmaj.220439 3. Jacques, O., & Perrot, M. (2023). <i>Health care crisis: The fault of (federal) funding or (provincial) management?</i> Policy Options. https://policyoptions.irpp.org/magazines/may-2023/canadian-healthcare-system-crisis-survey/
10/24	16 Germany
<p>Goals</p> <ul style="list-style-type: none"> - Describe the German health system - Highlight the social health insurance approach for universal care coverage 	<p>Required readings:</p> <ol style="list-style-type: none"> 1. Class note: Description of German Health System <p>Optional readings:</p> <ol style="list-style-type: none"> 1. How German health system works: https://www.youtube.com/watch?v=1d3QLPdHysc 2. Tikkanen, R., Osborn, R., Mossialos, E., Djordjevic, Ana, & Wharton, G. A. (2020). <i>Germany</i>. https://www.commonwealthfund.org/international-health-policy-center/countries/germany 3. Busse, R., Blümel, M., Knieps, F., & Bärnighausen, T. (2017). Statutory health insurance in Germany: A health system shaped by 135 years of solidarity, self-governance, and competition. <i>The Lancet</i>, 390(10097), 882–897. https://doi.org/10.1016/S0140-6736(17)31280-1
10/26	15 Netherlands
<p>Goals</p> <ul style="list-style-type: none"> - Describe the Dutch health system - Highlight the managed competition 	<p>Required readings:</p> <ol style="list-style-type: none"> 1. Class note: Description of Dutch Health System <p>Optional readings:</p> <ol style="list-style-type: none"> 1. Tikkanen, R., Osborn, R., Mossialos, E., Djordjevic, A., & Wharton, G. A. (2020c). <i>Netherlands</i>.

approaches to universal health coverage	<p>https://www.commonwealthfund.org/international-health-policy-center/countries/netherlands</p> <p>2. Gress, S., Groenewegen, P., Kerssens, J., Braun, B., & Wasem, J. (2002). Free choice of sickness funds in regulated competition: Evidence from Germany and The Netherlands. <i>Health Policy (Amsterdam, Netherlands)</i>, 60(3), 235–254. https://doi.org/10.1016/s0168-8510(01)00193-2</p>
10/31	16 Singapore
Goals - Describe the Singaporean health system - Highlight the explicit prioritization of choice over equity	<p>Required readings:</p> <ol style="list-style-type: none"> 1. Class note: Description of Singaporean Health System <p>Optional readings:</p> <ol style="list-style-type: none"> 1. Liu C, Haseltine W. 2017. The Singaporean Health Care System. In A Djordjevic, R Osborn, D Sarnak (eds.) International Profiles of Health Care Systems. The Commonwealth Fund. https://international.commonwealthfund.org/countries/singapore/ 2. Tan, C. C., Lam, C. S. P., Matchar, D. B., Zee, Y. K., & Wong, J. E. L. (2021). Singapore's health-care system: Key features, challenges, and shifts. <i>The Lancet</i>, 398(10305), 1091–1104. https://doi.org/10.1016/S0140-6736(21)00252-X
11/2	17 Policy and political analysis
Goals - Describe the process of policy development and highlighting relevant players involved - Outline an approach to political analysis	<p>Required Materials</p> <ol style="list-style-type: none"> 1. McInnes et al. Global Health Politics: An Introduction (from Global Health Politics), 2020 [Read pages 3 – 7] 2. Independent Panel on Global Governance for Health. What are the political determinants of Universal Health Coverage? (1 minute) Video link 3. Podcast: COVID-19: where does the World Health Organization go from here? The Conversation, March 11 2021 (Link) [Please listen from 11:00 onwards] <p>Optional Materials</p> <ol style="list-style-type: none"> 1. Sriram V, Scott K, Topp SM, Mishra A, Schaaf M, Rajasulochana S, Flores W. 10 Best Resources on Power and Health Systems. <i>Health Policy Plan</i>. 2018 May 1;33(4):611-621. doi: 10.1093/heapol/czy008 2. Nixon, Stephanie A et al. Canada's global health role: supporting equity and global citizenship as a middle power. <i>The Lancet</i>, Volume 391, Issue 10131, 1736 - 1748 3. Tang, Kun et al. China's Silk Road and global health. <i>The Lancet</i>, Volume 390, Issue 10112, 2595 – 2601 4. Spicer, N., Agyepong, I., Ottersen, T. et al. 'It's far too complicated': why fragmentation persists in global health. <i>Global Health</i> 16, 60 (2020). https://doi.org/10.1186/s12992-020-00592-1
11/7	18 Midterm review
Goals - Review key concepts	<p>Required readings: None</p> <p>Optional readings: None</p>

covered in class	
11/9	19 In-class midterm exam
Goals: - In-class midterm exam	Required readings: None Optional readings: None
11/14	Midterm Break—No class
Goals: - None	Required readings: None Optional readings: None
11/16	20 Work in class
Goals: - None	Required readings: None Optional readings: None
Block 3	
11/21	21 Challenges facing health care workers
Goals: - Describe the occupational challenges and solutions affecting health care workers	<p>Speaker: Jerry Spiegel</p> <p>Required readings:</p> <ol style="list-style-type: none"> 1. Gray, P., Senabe, S., Naicker, N., Kgalamono, S., Yassi, A., & Spiegel, J. M. (2019). Workplace-Based Organizational Interventions Promoting Mental Health and Happiness among Healthcare Workers: A Realist Review. <i>International Journal of Environmental Research and Public Health</i>, 16(22), Article 22. https://doi.org/10.3390/ijerph16224396 2. Mateen, F. J., & Dorji, C. (2009). Health-care worker burnout and the mental health imperative. <i>The Lancet</i>, 374(9690), 595–597. https://doi.org/10.1016/S0140-6736(09)61483-5 <p>Optional readings:</p> <ol style="list-style-type: none"> 1. Yassi, A., Nophale, L. E., Dybka, L., Bryce, E., Kruger, W., & Spiegel, J. (2009). Building Capacity to Secure Healthier and Safer Working Conditions for Healthcare Workers: A South African-Canadian Collaboration. <i>International Journal of Occupational and Environmental Health</i>, 15(4), 360–369. https://doi.org/10.1179/oeh.2009.15.4.360 2. Bodenheimer, T., & Sinsky, C. (2014). From Triple to Quadruple Aim: Care of the Patient Requires Care of the Provider. <i>The Annals of Family Medicine</i>, 12(6), 573–576. https://doi.org/10.1370/afm.1713
11/23	22 Opioid crisis
Goals: - Describe the burden of opioid crisis and health	<p>Required readings:</p> <ol style="list-style-type: none"> 1. Humphreys, K., Shover, C. L., Andrews, C. M., Bohnert, A. S. B., Brandeau, M. L., Caulkins, J. P., Chen, J. H., Cuéllar, M.-F., Hurd, Y. L., Juurlink, D. N., Koh, H. K., Krebs, E. E., Lembke, A., Mackey, S. C., Ouellette, L. L., Suffoletto, B., & Timko, C. (2022). Responding to the opioid crisis in North America and beyond: Recommendations of

system response	<p>the Stanford–Lancet Commission. <i>The Lancet</i>, 399(10324), 555–604. https://doi.org/10.1016/S0140-6736(21)02252-2</p> <p>Optional readings:</p> <ol style="list-style-type: none"> 1. Kolodny, A. (2020). How FDA Failures Contributed to the Opioid Crisis. <i>AMA Journal of Ethics</i>, 22(8), 743–750. https://doi.org/10.1001/amajethics.2020.743 2. Gawande, A. (2020, March 16). Why Americans Are Dying from Despair. <i>The New Yorker</i>. https://www.newyorker.com/magazine/2020/03/23/why-americans-are-dying-from-despair
11/28	23 AI in global health
Goals: - Describe the opportunities and challenges of artificial intelligence for health systems	<p>Required:</p> <ol style="list-style-type: none"> 1. Schwalbe, N., & Wahl, B. (2020). Artificial intelligence and the future of global health. <i>The Lancet</i>, 395(10236), 1579–1586. https://doi.org/10.1016/S0140-6736(20)30226-9 2. Wahl, B., Cossy-Gantner, A., Germann, S., & Schwalbe, N. R. (2018). Artificial intelligence (AI) and global health: How can AI contribute to health in resource-poor settings? <i>BMJ Global Health</i>, 3(4), e000798. https://doi.org/10.1136/bmjgh-2018-000798 3. Haug, C. J., & Drazen, J. M. (2023). Artificial Intelligence and Machine Learning in Clinical Medicine, 2023. <i>New England Journal of Medicine</i>, 388(13), 1201–1208. https://doi.org/10.1056/NEJMra2302038 <p>Optional:</p> <ol style="list-style-type: none"> 1. Yu, K.-H., Beam, A. L., & Kohane, I. S. (2018). Artificial intelligence in healthcare. <i>Nature Biomedical Engineering</i>, 2(10), Article 10. https://doi.org/10.1038/s41551-018-0305-z 2. Federspiel, F., Mitchell, R., Asokan, A., Umana, C., & McCoy, D. (2023). Threats by artificial intelligence to human health and human existence. <i>BMJ Global Health</i>, 8(5), e010435. https://doi.org/10.1136/bmjgh-2022-010435 3. Harris, E. (2023). Large Language Models Answer Medical Questions Accurately, but Can't Match Clinicians' Knowledge. <i>JAMA</i>. https://doi.org/10.1001/jama.2023.14311 4. Kolata, G. (2023a, June 12). When Doctors Use a Chatbot to Improve Their Bedside Manner. <i>The New York Times</i>. https://www.nytimes.com/2023/06/12/health/doctors-chatgpt-artificial-intelligence.html 5. Kolata, G. (2023b, July 22). A Mystery in the E.R.? Ask Dr. Chatbot for a Diagnosis. <i>The New York Times</i>. https://www.nytimes.com/2023/07/22/health/chatbot-medical-mystery-diagnosis.html 6. Lee, P., Bubeck, S., & Petro, J. (2023). Benefits, Limits, and Risks of GPT-4 as an AI Chatbot for Medicine. <i>New England Journal of Medicine</i>, 388(13), 1233–1239. https://doi.org/10.1056/NEJMsr2214184

	<p>7. Lee, P., Goldberg, C., & Kohane, I. (2023). <i>The AI Revolution in Medicine: GPT-4 and Beyond</i> (1st edition). Pearson. (Link to book here: https://learning.oreilly.com/library/view/the-ai-revolution/9780138200145/toc.xhtml)</p> <p>8. Maslej, N., Fattorini, L., Brynjolfsson, E., Etchemendy, J., Ligett, K., Lyons, T., Manyika, J., Ngo, H., Niebles, J. C., Parli, V., Shoham, Y., Wald, R., Clark, J., & Perrault, R. (2023). <i>The AI Index 2023 Annual Report</i>. Stanford University Human Centered Artificial Intelligence. https://aiindex.stanford.edu/report/</p>
11/30	24 Presentation
<p>Goals:</p> <ul style="list-style-type: none"> - Provide students a chance to critically analyze and address health system challenges - Provide critical feedback to student project 	<p>Required readings: None</p> <p>Optional readings: None</p>
12/5	25 Presentation
<p>Goals</p> <ul style="list-style-type: none"> - Provide students a chance to critically analyze and address health system challenges - Provide critical feedback to student project 	<p>Required readings: None</p> <p>Optional readings: None</p>
12/7	26 Conclusion
<p>Goals</p> <ul style="list-style-type: none"> - Conclude key takeaway lessons for students - Complete feedback 	<p>Required readings: None</p> <p>Optional readings: None</p>
12/10	Submission of final project

<p>Goals: - Student to submit final projects</p>	<p>Required readings: None Optional readings: None</p>
--	--

Useful Resources

Books

1. Case, A., & Deaton, A. (2020). *Deaths of Despair and the Future of Capitalism*. Princeton University Press.
2. Carney, M. (2021). *Values: Building a Better World for All*. Signal.
3. Farmer, P., Kleinman, A., Kim, J., & Basilio, M. (Eds.). (2013). *Reimagining Global Health: An Introduction* (First Edition). University of California Press.
4. Haidt, J. (2013). *The Righteous Mind: Why Good People Are Divided by Politics and Religion*. Vintage.
5. Harari, Y. N. (2016). *Sapiens: A Brief History of Humankind*. Signal.
6. Kahneman, D. (2013). *Thinking, Fast and Slow*. Anchor Canada.
7. Kidder, T. (2004). *Mountains beyond mountains: The quest of Dr. Paul Farmer, a man who would cure the world*. Random House Trade Paperbacks.
8. Mandela, N. (1995). *Long Walk to Freedom: The Autobiography of Nelson Mandela* (Illustrated edition). Back Bay Books.
9. Papanicolas, I., Rajan, D., Karanikolos, M., Soucat, A., & Figueras, J. (Eds.). (2022). *Health system performance assessment: A framework for policy analysis*. World Health Organization.
10. Reich, M. R., Campos, P. A., Kalita, A., Guyer, A. L., & Yip, W. (2023). *A Guide to Health Reform: Eight Practical Steps version 1.2*. <https://www.hsph.harvard.edu/india-health-systems/guide-to-health-reform/>
11. Sen, A. (2000). *Development as Freedom*. Anchor.

Important Journal Series

1. [Lancet Commission on Financing Primary Health Care](#)
2. [Lancet Commission on High-Quality Health Care System](#)
3. [Lancet Series on Maternal and Child Undernutrition](#)

Twitter:

Individuals

Madhukar Pai @paimadhu
Seye Abimbola @seyeabimbola
Bill Gates @BillGates

Tedros Ghebreyesus @DrTedros
Richard Horton @richardhorton1
Atul Gawande @Atul_Gawande

Publications

BMJ @bmj_latest
Bulletin of the WHO @WHOBulletin
Council on Foreign Relations @CFR_org
Foreign Affairs @ForeignAffairs

Help Age @HelpAge
Lancet Global Health @LancetGH (and other
Lancet subsidiaries)

Nature Magazine @nature
NBER @nberpubs
NEJM @NEJM
PLOS @PLOS (and other PLOS
subsidiaries)

Science Magazine @sciencemagazine
Proceedings of the National Academy of
Sciences @PNASNews
The Lancet @TheLancet
The Lancet Inf Diseases @TheLancetInfDis

Organizations/Forums

Center for Global Development @CGDev
CGI @ClintonGlobal
GAVI Alliance @GAVI
Health Affairs @Health_Affairs
Health Systems Global @H_S_Global
HarvardPublicHealth @HarvardChanSPH
IHME at UW @IHME_UW
Oxfam International @Oxfam
PAHO/WHO @pahowho
Partners In Health @PIH
Rockefeller Foundation @RockefellerFdn

Save the Children @SavetheChildren
TEDMED @TedMed
The Forum at HSPH @ForumHSPH
The Global Fund @globalfund
UNICEF @UNICEF
United Nations @UN
USAID Global Health @USAIDGH
U.S. Global Development Lab
@GlobalDevLab
World Bank Health @wbg_health
World Economic Forum @davos