Joshua Salomon

Professor of Medicine (Primary Care and Outcomes Research), Senior Fellow at the Freeman Spogli Institute for International Studies and Professor, by courtesy, of Health Research and Policy (Health Services Research)

Bio

Joshua Salomon is a Professor of Medicine and a core faculty member in the Center for Health Policy and the Center for Primary Care and Outcomes Research. His research focuses on priority-setting in global health, within three main substantive areas: (1) measurement and valuation of health outcomes; (2) modeling patterns and trends in major causes of global mortality and disease burden; and (3) evaluation of health interventions and policies.

Dr. Salomon is an investigator on projects funded by the Centers for Disease Control, National Institutes of Health and the Bill & Melinda Gates Foundation, relating to modeling of infectious and chronic diseases and associated intervention strategies; methods for economic evaluation of public health programs; measurement of the global burden of disease; and assessment of the potential impact and cost effectiveness of new health technologies.

He is Director of the Prevention Policy Modeling Lab, which is a multi-institution research consortium that conducts health and economic modeling relating to infectious disease. Prior to joining the Stanford faculty, Dr. Salomon was Professor of Global Health at Harvard T.H. Chan School of Public Health.

ACADEMIC APPOINTMENTS

- Professor, Medicine - Primary Care Outcomes Research
- Senior Fellow, Freeman Spogli Institute for International Studies
- Professor (By courtesy), Health Research & Policy

Teaching

COURSES

2018-19

- Analysis of Costs, Risks, and Benefits of Health Care: BIOMEDIN 432, HRP 392 (Aut)

Publications

PUBLICATIONS

- Quantification of health states with rank-based nonmetric multidimensional scaling. *Medical decision making : an international journal of the Society for Medical Decision Making*
  Krabbe, P. F., Salomon, J. A., Murray, C. J.
  ; 27 (4): 395–405

- The impact of Medicare part D on income-related inequality in pharmaceutical expenditure. *International journal for equity in health*
  Carvalho, N., Petrie, D., Chen, L., Salomon, J. A., Clarke, P.
2019; 18 (1): 57

• The Effect of HIV Self-Testing Delivery Models on Female Sex Workers' Sexual Behaviors: A Randomized Controlled Trial in Urban Uganda. *AIDS and behavior*

• Short-Term Effects and Long-Term Cost-Effectiveness of Universal Hepatitis C Testing in Prenatal Care. *Obstetrics and gynecology*


• Multimorbidity and care for hypertension, diabetes and HIV among older adults in rural South Africa. *Bulletin of the World Health Organization*

• The global burden of disease attributable to alcohol and drug use in 195 countries and territories, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016 *LANCET PSYCHIATRY*

• Global, regional, and national burden of tuberculosis, 1990-2016: results from the Global Burden of Diseases, Injuries, and Risk Factors 2016 Study *LANCET INFECTIOUS DISEASES*

• Does incident circumcision lead to risk compensation? Evidence from a population cohort in KwaZulu-Natal, South Africa. *Journal of acquired immune deficiency syndromes (1999)*

• Global, regional, and national comparative risk assessment of 84 behavioural, environmental and occupational, and metabolic risks or clusters of risks for 195 countries and territories, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017 *LANCET*

• Population and fertility by age and sex for 195 countries and territories, 1950-2017: a systematic analysis for the Global Burden of Disease Study 2017 *LANCET*

• Global, regional, and national disability-adjusted life-years (DALYs) for 359 diseases and injuries and healthy life expectancy (HALE) for 195 countries and territories, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017 *LANCET*

• Measuring progress from 1990 to 2017 and projecting attainment to 2030 of the health-related Sustainable Development Goals for 195 countries and territories: a systematic analysis for the Global Burden of Disease Study 2017 *LANCET*
• Global, regional, and national incidence, prevalence, and years lived with disability for 354 diseases and injuries for 195 countries and territories, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017 LANCET
2018; 392 (10159): 1789–1858

• Estimates of the global, regional, and national morbidity, mortality, and aetiologies of diarrhoea in 195 countries: a systematic analysis for the Global Burden of Disease Study 2016 LANCET INFECTIOUS DISEASES
2018; 18 (11): 1211–28

• Estimates of the global, regional, and national morbidity, mortality, and aetiologies of lower respiratory infections in 195 countries, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016 LANCET INFECTIOUS DISEASES
2018; 18 (11): 1191–1210

• Future Directions for Cost-effectiveness Analyses in Health and Medicine MEDICAL DECISION MAKING
2018; 38 (7): 767–77

• Improving the validity of mathematical models for HIV elimination by incorporating empirical estimates of progression through the HIV treatment cascade. Journal of acquired immune deficiency syndromes (1999)
Chang, A. Y., Haber, N., Barnighausen, T., Herbst, K., Gareta, D., Pillay, D., Salomon, J. A.
2018

• Alcohol use and burden for 195 countries and territories, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016 LANCET
2018; 392 (10152): 1015–35

• High-quality health systems in the Sustainable Development Goals era: time for a revolution. The Lancet. Global health
2018

• Mortality due to low-quality health systems in the universal health coverage era: a systematic analysis of amenable deaths in 137 countries. Lancet (London, England)
Kruk, M. E., Gage, A. D., Joseph, N. T., Danaei, G., Garcia-Saiso, S., Salomon, J. A.
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• Population-level Outcomes and Cost-Effectiveness of Expanding the Recommendation for Age-based Hepatitis C Testing in the United States CLINICAL INFECTION DISEASES
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• Measuring health and economic wellbeing in the Sustainable Development Goals era: development of a poverty-free life expectancy metric and estimates for 90 countries LANCET GLOBAL HEALTH
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• Evidence sources on the natural history of latent tuberculosis infection *LANCET INFECTIOUS DISEASES*
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• Progression from latent infection to active disease in dynamic tuberculosis transmission models: a systematic review of the validity of modelling assumptions *LANCET INFECTIOUS DISEASES*
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• Estimating the distribution of morbidity and mortality of childhood diarrhea, measles, and pneumonia by wealth group in low- and middle-income countries *BMC MEDICINE*
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Pradhan, E., Cohen, J., Salomon, J.
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• Sustainable Development in Surgery: The Health, Poverty, and Equity Impacts of Charitable Surgery in Uganda
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• Guidelines for Accurate and Transparent Health Estimates Reporting: the GATHER statement
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• Global, Regional, and National Cancer Incidence, Mortality, Years of Life Lost, Years Lived With Disability, and Disability-Adjusted Life-years for 32 Cancer Groups, 1990 to 2015: A Systematic Analysis for the Global Burden of Disease Study.
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• Measuring the health-related Sustainable Development Goals in 188 countries: a baseline analysis from the Global Burden of Disease Study 2015
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• Global, regional, and national incidence, prevalence, and years lived with disability for 310 diseases and injuries, 1990-2015: a systematic analysis for the Global Burden of Disease Study 2015
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• Guidelines for Accurate and Transparent Health Estimates Reporting: the GATHER statement PLOS MEDICINE
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• Global, regional, and national comparative risk assessment of 79 behavioural, environmental and occupational, and metabolic risks or clusters of risks in 188 countries, 1990-2013: a systematic analysis for the Global Burden of Disease Study 2013 LANCET
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• Improving outcomes for caregivers through treatment of young people affected by war: a randomized controlled trial in Sierra Leone BULLETIN OF THE WORLD HEALTH ORGANIZATION
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