

Mira Johri

PROFESSOR & GLOBAL HEALTH RESEARCHER

Objective

I am a public health scientist committed to making global health initiatives more effective, fair, and impactful. My passion lies in unlocking the potential of every child to survive and flourish, by addressing social and structural barriers that limit opportunities for good health.

I aspire to create research that drives tangible change in global health. My career focusses on enabling all children to thrive by addressing health inequities and ensuring access to essential services such as vaccination. My work spans field research, policy collaboration, and the development of innovative solutions that are tailored to the real-world needs of communities in low- and middle-income countries.

I believe that impactful research goes beyond publication—it should shape policies, influence global standards, and, most importantly, improve lives.

Education

1998-1999

Yale School of Medicine | Epidemiology & Public Health
Postdoctoral associate

Focus: Quantitative programme evaluation (mathematical modelling)
Project: "Cost-effectiveness and equity of the United States State AIDS Drug Assistance Programs"
Supervisors: Edward H Kaplan; David A Paltiel

1996-1998

Yale School of Medicine | Epidemiology & Public Health
MPH Master of Public Health

Focus: Quantitative programme evaluation (linear programming)
Thesis: "Treatment on Demand: An operational model"
Supervisor: Edward H Kaplan

1990-1997

McGill University
PhD Doctor of Philosophy | Ethics & Political Philosophy

Focus: Theories of global justice
Thesis: "On the Universality of Habermas' Discourse Ethics"
Supervisors: Charles Taylor, James Tully, David Davies

1986-1990

McGill University
BA Bachelor of Arts | Joint Honours in Economics & Philosophy

Focus: Development economics

Professional Experience

My professional activities span academic, civil society, and global advisory (science diplomacy) roles.

2000- present

Professor of Public Health, University of Montreal

- Lead field-shaping research in vaccination and child health, with a focus on low- and middle-income countries.
- Network with top global health institutions, representing the University in scientific and policy collaborations.
- Ideate and deliver innovative curricula and mentorship programs for the next generation of global health leaders.
- Serve as Director of the professional doctoral program (DrPH) in Public Health
- Led creation, delivery, and accreditation of the MPH Global Health track.
- Co-directed the ULYSSES international program in Health Technology Assessment, enhancing cross-border (Canada, Spain, Italy) collaboration.
- Promoted from assistant researcher (2000-2005 non-tenure track) to associate researcher (2005-2007 non-tenure track) to associate professor (2007-2014 tenured), to full professor (2014 to present, tenured)

2020 - present

Advisor, Raah Health & Social Development Foundation (India)

- Established Raah - a non-profit community-driven organisation focused on advancing health equity in rural India, with an emphasis on child vaccination, access to basic health services, and community development. <https://raah.global>
- Catalysed teams of researchers, health workers, and local community members to co-create innovative health interventions tailored to the specific needs of underserved populations in rural Uttar Pradesh, India.
- Spearheaded research and field projects addressing "zero-dose" (unvaccinated) children and marginalised communities in India, developing scalable solutions to strengthen immunisation systems, primary health care, and supporting community development.
- Fostered partnerships with local government, health workers and communities to ensure that interventions are sustainable and rooted in the realities of the populations served.

2010-present

Global Advisory Roles

Service as an independent expert and advisor to top global health institutions, including the global Equity Reference Group for Immunization (2023-present); the WHO Shigella Technical Advisory Group (2026-2028); the UNICEF *Future of Immunization Initiative* (2025); Gavi, the Vaccine Alliance (2010-2024); UNICEF (2025); the Global Fund (2021-2024); the Coalition for Epidemic Preparedness Innovations (CEPI) (2022); and the World Health Organization (2019). Selected roles are below.

Consultant (Visiting Researcher), Gavi, the Vaccine Alliance (2023–2024) Geneva, Switzerland

- My multifaceted involvement with Gavi began in 2010 and continues to the present time.
- My research in the areas of equitable access to vaccines and addressing social determinants of health has helped shape Gavi's strategies to ensure that immunisation efforts reach the most marginalized populations through targeted, community-level interventions that address both health and social factors.
- During this one year consultancy, I led critical research on zero-dose (unvaccinated) children, informing the design of the Gavi 6.0 (2026-2030) strategy.
- Working with cross-functional teams across Gavi and partner organisations, I contributed to defining data-driven strategies for equitable vaccine access.
- Findings were shared with 700+ partners to guide operationalisation of the Gavi 6.0 strategy, focusing on zero-dose children.

Consultant (Visiting Researcher), World Health Organization (2016–2017) Geneva, Switzerland

- Conducted pivotal research on social and behavioral interventions for child health, contributing to the WHO-UNICEF child health redesign.
- Led the development of a social autopsy module for a seven-country randomized trial, enriching international data on social determinants of health.

Consultant (Visiting Researcher), World Health Organization (2009–2010) Geneva, Switzerland

- Contributed to the development of a cost-effectiveness and priority-setting framework, integrating scientific evidence and ethical norms.
- Implemented impact and cost-effectiveness modeling of vaccine-related healthcare strategies within WHO-CHOICE.

Awards & Honours

2025	2025 — Finalist (Top 10 globally), Science Breakthrough of the Year (Social Sciences & Humanities category), Falling Walls Foundation, Germany Placed among the top 10 worldwide in this global competition, which highlights groundbreaking scientific advances with the potential to break down barriers in science and society.
2025-2030	Exceptional Contribution Award, Université de Montréal. Recognizes achievements in all four areas of the professorial task: research, teaching, administration, and public service.
2022	Research Excellence Award (Category: Faculty) Prix Excellence Recherche (Catégorie: Professeurs) University of Montreal School of Public Health. Awarded to a faculty member for outstanding contributions to research
2021	Innovation in Science and Technology Award Drishiti Media Group Awarded for innovations using science to advance social impact.
2020	Vic Neufeld Mentorship Award Canadian Coalition for Global Health Research. National recognition for mentorship in global health research
2005-2010	New Investigator Award Canadian Institutes of Health Research (CIHR)
2005-2010	Investigateur Junior II (declined) Fonds de recherche en santé du Québec (FRSQ)
2003-2005	Investigateur Junior I Fonds de recherche en santé du Québec (FRSQ)
2000-2003	Bourse Relève Médecine 2000 Faculté de Médecine, Université de Montréal
1998	Nominee, Governor General of Canada's Gold Medal, PhD Thesis nominated in Social Sciences & Humanities Category, McGill University
1998	Dean's list of honour (PhD) McGill University
1996-1997	John Devereaux Thompson Scholarship Yale University School of Medicine
1992-1995	Doctoral Fellowship & Doctoral Fellowship Renewal Awards Social Sciences and Humanities Research Council (SSHRC), Canada.
1991-1992	Dow-Hickson Fellowship in Theoretical Philosophy McGill University

Selected Publications

PubMed [Johri M \[Author\]](#)
ORCID <https://orcid.org/0000-0001-5642-787X>

Vaccination equity: zero-dose children & missed communities

In 2020, the World Health Assembly endorsed "[Immunization Agenda 2030](#)" (IA2030) a flagship immunisation strategy for the UN Sustainable Development Goals period. Developed with a strong focus on equity, IA2030 aims to ensure that immunisation services regularly reach all children and communities, especially those not receiving the full benefits of immunisation. To achieve this, it has made halving the number of "zero-dose" children (infants who do not receive even a single vaccine dose delivered through the routine immunisation system) a key target.

I have made significant contributions to this policy agenda, conducting research on zero-dose and under-vaccinated children, households, and communities in India, Latin America, and around the world. This work has contributed to the dialogue for Gavi, WHO, UNICEF and partners -- enhancing the focus on vaccine equity and prioritising holistic approaches to address the needs of the most vulnerable via the global strategy to reach zero-dose children & missed communities in the context of the UN Sustainable Development Goals.

- **Johri M**, Munir M, Medeiros RA, Shakya L, Damte B, Bolgrien A. Johri M, Munir M, Medeiros RA, Shakya L, Damte B, Bolgrien A. The effects of orphanhood and lack of parental care on child vaccination: analyses of 189 cross-sectional UNICEF Multiple Indicator Cluster Surveys from 82 countries, 2005–2022. *EClinicalMedicine*. 2025 Jun 27;85:103314. doi: [10.1016/j.eclinm.2025.103314](https://doi.org/10.1016/j.eclinm.2025.103314)
- Beaulieu A*, Ducharme J*, Thibeault C*, Akani BC*, Ziegler D, Correa GC, Reynolds HW, Hogan D, **Johri M**. The Immunization Agenda 2030 strategy to reach zero-dose children in low- and middle-income countries: a living scoping review 2024. *BMJ Global Health* 2025 Aug 5;10(8):e018293. doi: [10.1136/bmjgh-2024-018293](https://doi.org/10.1136/bmjgh-2024-018293).
- **Mira Johri**, Sunil Rajpal, Rockli Kim, SV Subramanian. Small-area variation in child under-vaccination in India: A multilevel analysis of 36 states and Union Territories, 707 districts, and 22,086 small-area clusters. *The Lancet Regional Health - Southeast Asia*. 2025;32:100504. <https://doi.org/10.1016/j.lansea.2024.100504>
- Omar Karlsson; Sunil Rajpal; **Mira Johri**; Rockli Kim; S V Subramanian. Prevalence and trends of not receiving first-dose of DPT-containing vaccine among children 12–35 months: An analysis of 100 low- and middle-income countries. *J Epidemiol Glob Health* (2024). <https://doi.org/10.1007/s44197-024-00294-6>
- **Mira Johri**, Edmond S.W. Ng, Georges K. Koné, Alyssa Sharkey, Delphine Bosson-Rieutort, S.V. Subramanian. The effects of zero-dose vaccination status in early childhood and level of community socio-economic development on learning attainment in pre-adolescence in India: A population-based cohort study *BMJ Public Health* 2023;1:e000022. doi: [10.1136/bmjph-2023-000022](https://doi.org/10.1136/bmjph-2023-000022)
- Gutiérrez JP, **Johri M**. Socioeconomic and geographic inequities in vaccination among children 12 to 59 months in Mexico, 2012 to 2021. *Rev Panam Salud Publica*. 2023;47:e35. <https://doi.org/10.26633/RPSP.2023.35>

- Rajpal S, Kumar A, **Johri M**, Kim R, Subramanian SV. Patterns in the Prevalence of Unvaccinated Children Across 36 States and Union Territories in India, 1993-2021. *JAMA Network Open*. 2023;6(2):e2254919. [doi:10.1001/jamanetworkopen.2022.54919](https://doi.org/10.1001/jamanetworkopen.2022.54919)
- **Johri M**, Rajpal S, Subramanian SV. Progress in reaching unvaccinated (zero-dose) children in India, 1992-2016: a multilevel, geospatial analysis of repeated cross-sectional surveys. *The Lancet Global Health*. 2021;9(12):e1697-e706. [https://doi.org/10.1016/S2214-109X\(21\)00349-1](https://doi.org/10.1016/S2214-109X(21)00349-1)

2013-2017

Equity indicators for immunisation in Gavi 4.0

Gavi's 2016-2020 strategy had the overall mission: "to save children's lives and protect people's health by increasing equitable use of vaccines in lower-income countries". To help operationalise this strategy, we undertook a project to design equity indicators to track global immunisation progress. Based partly on early results from our analysis, in its strategy for 2016-2020, which included a central focus on immunisation coverage and equity, Gavi lowered the wealth quintile benchmark (from 20 to 10 percentage points), and added indicators related to geographic equity and gender (maternal education).

- Catherine Arsenault*, **Mira Johri**, Arijit Nandi, José M Mendoza Rodríguez, Peter M Hansen, Sam Harper. Country-level predictors of vaccination coverage and inequalities in Gavi-supported countries, *Vaccine* 35 (18), 2479-2488. 2017 Mar 29 <https://doi.org/10.1016/j.vaccine.2017.03.029>
- Catherine Arsenault*, Sam Harper, Arijit Nandi, José Mendoza Rodriguez, Peter Hansen, **Mira Johri**. Monitoring equity in vaccination coverage: A systematic analysis of Demographic and Health Surveys from 45 Gavi-supported countries: *Vaccine*. 2017 Feb 7;35(6):951-959. [doi: 10.1016/j.vaccine.2016.12.041](https://doi.org/10.1016/j.vaccine.2016.12.041). Epub 2017 Jan 6.
- Catherine Arsenault*, Sam Harper, Arijit Nandi, José Mendoza Rodriguez, Peter Hansen, **Mira Johri**. An equity dashboard to monitor vaccination coverage for the Sustainable Development Goals, Policy and Practice : *Bull World Health Organ* 2017;95:128-134 <http://dx.doi.org/10.2471/BLT.16.178079>

2012-2014

User fees for maternal & child health services in Burkina Faso

We conducted this project to provide evidence for a possible health financing reform to strengthen Universal Health Coverage in Burkina Faso. We analysed the likely mortality impact of abolishing user fees for pregnant women and children less than 5 years of age in Burkina Faso, by coupling use of a validated mathematical model with rigorous statistical techniques (propensity score and interrupted time-series) for impact assessment. We found that the user-fee elimination strategy increased health-care coverage for key services and thereby reduced child mortality. We modelled scenarios representing national scaleup of this policy. Our study was cited by the Minister of Health of Burkina Faso in a 2015-03-23 presentation to international stakeholders to justify a new policy to eliminate user-fees for curative child health services. It was the sole scientific study cited. The policy was adopted into law on 2015-09-05.

- **Johri M**, Ridde V, Heinmuller R and Haddad S: Estimation of maternal and child mortality one year after user-fee elimination: an impact evaluation and modelling study in Burkina Faso. *Bull World Health Organ* 2014, 92(10):706-715 <https://doi.org/10.2471/BLT.13.130609>

2011-2016

Measles campaigns as a delivery platform for high-impact maternal and child health interventions in India

The measles vaccine has made the largest single contribution to reducing child mortality among all vaccines, and campaigns are frequently used to boost measles vaccine coverage. This project investigated whether we could deliver campaigns differently to achieve greater impact and equity. We developed policy models to evaluate the mortality impact of India's 2010-2013 measles campaigns, and to assess the benefit of an alternative (hypothetical) strategy including additional high-impact health interventions along with measles vaccine in the campaign platform. We found that, in India, a measles vaccination campaign including feasible, high-impact interventions could substantially increase lives saved and mitigate gender-related inequities in child mortality as compared to a campaign delivering measles vaccine alone. Based on comprehensive evidence, including our study, the Gavi Alliance has begun to encourage integrated intervention delivery through the immunisation platform when planning for new vaccine introductions and conducting campaigns.

- **Johri M**, Verguet S, Morris SK, Sharma JK, Ram U, Gauvreau C, Jones E, Jha P and Jit M: Adding interventions to mass measles vaccinations in India. *Bull World Health Organ* 2016, 94(10):718-727. <https://doi.org/10.2471/blt.15.160044>

2008-2017

Cost-effectiveness analysis of the QUARISMA trial in Canada

The QUARISMA trial investigated the value of a clinician-training program to reduce unnecessary caesarean deliveries. On behalf of the QUARISMA trial group, I led a trial-based cost-effectiveness analysis using individual patient data to inform scale-up decisions.

Our study showed that the training program for clinicians studied in the QUARISMA trial resulted in very favourable results: better quality of care for mothers and infants, and major cost savings. The QUARISMA intervention has now been scaled nationally in Canada through MORE^{OB}, a quality improvement program to strengthen clinical, economic and operational outcomes. Evidence of cost-effectiveness provided by our study was fundamental to the decision to scale.

In 2020, the World Health Organization published a Guideline on non-clinical interventions to reduce unnecessary caesareans. Our study contributed critical evidence as it was the only economic evaluation that met criteria for inclusion.

- Chaillet N, Dumont A, Abrahamowicz M, et al. A cluster-randomized trial to reduce cesarean delivery rates in Quebec. *N Engl J Med* 2015; 372(18): 1710-21. <https://www.nejm.org/doi/full/10.1056/NEJMoa1407120>
- **Mira Johri**, Edmond Ng, Clara Bermudez-Tamayo*, Jeffrey S. Hoch, Thierry Ducruet, Nils Chaillet. A cluster-randomized trial to reduce caesarean delivery rates in Quebec: cost-effectiveness analysis, *BMC Med* 2017 15:96 <https://doi.org/10.1186/s12916-017-0859-8>

2004-2009

Prevention of mother-to-child transmission of HIV in Guatemala

With a team of Guatemalan clinicians at the Hospital San Juan de Dios in Guatemala City, I co-led an initiative to design, implement and evaluate a programme to prevent mother-to-child transmission (pMTCT) of HIV – the second pMTCT program in Guatemala, and the first in the delivery room. Results showed that the clinical intervention was a success, saving an estimated 12-22 children from HIV infection in a single year. The model was adopted and scaled by the Guatemalan Ministry of Health with support from the Global Fund. It also contributed to a Copenhagen Consensus priority-setting exercise on HIV prevention.

- **Johri M**, Morales RE, Hoch JS, Samayoa BE, Sommen C, Grazioso CF, Boivin JF, Barrios IJ, Baide E and Arathoon E: A cross-sectional study of risk factors for HIV among pregnant women in Guatemala City, Guatemala: Lessons for prevention. *Int J STD AIDS* 2010, **21**:789-796. <https://doi.org/10.1258/ijsa.2009.009355>
- **Johri M**. Alternative perspective: prevention of non-sexual transmission. In : Rethink HIV - Smarter Ways to Invest in Ending HIV in Sub-Saharan Africa Edited by Bjørn Lomborg. Cambridge University Press, 2012. (ISBN-13: 9781107679320) <https://copenhagenconsensus.com/publication/rethink-hiv-prevention-non-sexual-transmission-hiv-perspective-johri>

Selected Grants

2022-2025	"Addressing equity issues impeding immunization coverage" Bill & Melinda Gates Foundation India Country Office INV-030686 (Awarded to Onion Dev Technologies (Gram Vaani) - Scientific leads Aaditeshwar Seth, Mira Johri) (USD \$620,141)
2019-2021	"Optical scanning of mother and child protection card" Accelerating Innovation for strengthening vaccination systems. UNICEF Innovation Fund (Awarded to Onion Dev Technologies (Gram Vaani) - Scientific leads Aaditeshwar Seth, Mira Johri) (Mentoring and scaling support)
2018-2020	"Optical Scanning of the Mother and Child Protection Card" OPP1203397 Gates Foundation / Grand Challenges Explorations Round 21 (Awarded to Onion Dev Technologies (Gram Vaani) - Scientific leads Aaditeshwar Seth, Mira Johri) (\$USD 100,000)
2018-2020	Image recognition based data entry processes to ensure immunisation completeness and auditing of reported data Biotechnology Industry Research Assistance Council (BIRAC) A Government of India Enterprise / Grand Challenges India Funding Opportunity: Immunization Data: Innovating for Action (IDIA) (Awarded to Onion Dev Technologies (Gram Vaani) - Scientific leads Aaditeshwar Seth, Mira Johri) (\$USD 200,000)
2017	Expanding the reach of the "Tika Vaani" (vaccine voice) platform: A bold idea to transform newborn and child health in rural India', Grand Challenges Canada, Stars in Reproductive, Maternal, Newborn and Child Health (Stars in Global Health,

Round 8) (Awarded to Onion Dev Technologies (Gram Vaani) - Scientific leads Aaditeshwar Seth, Mira Johri) (\$CAD 100,000)

2015 Interventions to increase immunisation coverage among children 12-23 months of age in India through participatory learning and community mobilisation: cluster randomised trial' The Canadian Institutes for Health Research (CIHR), \$CAD 569,293 (PI Mira Johri)

2015 Dialled in: Tapping community voice to improve child immunization in India', IC-IMPACTS: A Canadian Network Centres of Excellence, \$CAD 398,279 (PI Mira Johri)

Teaching

I have supervised 65 professional masters (MPH) students, 23 masters (MSc) theses, 11 doctoral (PhD) students, 1 professional doctoral (Dr Ph) student, and 2 postdoctoral students. I aim to enable students to reach their academic potential and career goals while nurturing self-aware and engaged global citizens. Student evaluations of my teaching have been consistently excellent. I increasingly focus on leading training programmes.

2000-present **Université de Montréal**, Montréal, QC, Canada
Professor, School of Public Health

Core courses taught

PhD Methods for health systems research and evaluation

PhD Doctoral seminar in global health

MPH Global health practice

MPH Foundations of global health

PhD Health and Justice

2004-present **Université de Montréal**, Montréal, QC, Canada
Programme director, School of public health

- Responsible for programme design, delivery, and continuous quality improvement
- Led initiatives for competency-based training & accreditation (US Council on Education for Public Health CEPH & European Agency for Public Health Education Accreditation APHEA)
- Programme promotion, strategic positioning, recruitment, financing, communications

2024- Professional doctorate in public health (DrPH)

2015- Master of Public Health (MPH) Global Health Track
2022

2004- ULYSSES Master of Health Technology Assessment
2015 (MSc)

Selected Professional service

2026-2028	WHO Technical Advisory Group on Shigella Vaccines (member)
2025	UNICEF Future of Immunization initiative Background paper on global trends in immunization, to inform the for UNICEF's flagship Future of Immunization report (comprehensive vision document for immunization by 2050) (with Alyssa Sharkey)
2024	Gavi, the Vaccine Alliance. Evidence-based recommendations for Gavi's strategy to reach zero-dose children. Zero-Dose Learning Week, Geneva (invitation-only, consensus-building workshop).
2023	Conference: "Strengthening the Role of Evaluation in the Sustainable Development Agenda for Health." The Banbury Center, Lloyd Harbor, New York. October 10-13, 2023. Lead organisers: James Hargreaves, London School of Hygiene & Tropical Medicine & Mira Johri, Université de Montréal. Steering committee: Kerry Albright, UNICEF; Dugan Fraser, Global Evaluation Initiative; Geoff Garnett, Bill & Melinda Gates Foundation; and, Miriam Sabin, The Lancet.
2022-2023	Gavi, the Vaccine Alliance. Chair, Steering Committee, Evaluation of Gavi's contribution to reaching Zero-Dose children and missed communities
2022-2024	The Global Fund to Fight AIDS, Tuberculosis and Malaria. Chair, Independent Evaluation Panel (IEP)
2022	Coalition for Epidemic Preparedness Innovations (CEPI). Chair, Evaluation Committee for the Independent outcome evaluation of CEPI 1.0
2021-2022	Gavi, the Vaccine Alliance. Member, Steering Committee, Evaluation of the COVAX Facility.
2012-2022	Gavi, the Vaccine Alliance. Member, Evaluation Advisory Committee (2019-2022; 2018-2019; 2014-2017; 2012-2014)
2021	The Global Fund to Fight AIDS, Tuberculosis and Malaria. Chair, Steering Committee for the External evaluation of the Prospective Country Evaluations (PCE)
2020 - 2021	Canadian Coalition for Global Health and Canadian Society for International Health Joint Amalgamation Review Committee (JARC), Member
2019-2022	Lancet Commission on Global Hearing Loss, Commissioner and subgroup lead: vaccination for prevention of hearing loss.
2020-2022	Association of Yale Alumni in Public Health (AYAPH), Member, Board of Directors,
2019	WHO-UNICEF Global Consultation on Redesigning Child and Adolescent Health Programming to address Child Health Priorities in the context of the Sustainable Development Goals

(SDGs) 23-25 January 2019, Geneva, Switzerland Independent consultant

- 2018-2021 **Canadian Coalition for Global Health Research**, Member, Board of Directors, and co-Chair Policy & Advocacy Committee,
- 2018 **Department of maternal, newborn, child and adolescent health (MCA), World Health Organization, Geneva, Switzerland.** "Defining global research priorities: Social, behavioural and community engagement interventions for maternal, newborn and child health." Leader of the Child Working Group.
- 2018 **Gavi, the Vaccine Alliance**, Evaluation of the Targeted Country Assistance (TCA) provided through the Gavi Partners' Engagement Framework (PEF)', Chair, Steering Committee
- 2018 **McGill University**, McGill Women in Leadership Mentorship Program. Alumni Mentor
- 2017-2020 **Association of Yale Alumni in Public Health (AYAPH)**, Member, Board of Directors
- 2016-2018 **Canadian Coalition for Global Health Research**, Member, Board of Directors
- 2012 **Gavi, the Vaccine Alliance**, Member, Adjudication committee. Final evaluation of GAVI Alliance support to China
- 2012 **Gavi, the Vaccine Alliance**, Member, Expert Advisory Panel on Defining GAVI's Research Agenda
- 2011 **Gavi, the Vaccine Alliance**, Member, GAVI Alliance Prioritisation Mechanism Independent Review Committee
- 2010 **Gavi, the Vaccine Alliance**, Member, Steering Committee, Evaluation of the International Financing Facility for Immunisation (IFFIm)

Languages

English, French, Spanish, Hindi (spoken Urdu is mutually intelligible)

Other

Statistical software Stata, MLWin

Citizenships Canada, Switzerland, Overseas Citizen of India
Linked In <https://www.linkedin.com/in/mira-johri-phd-mph-raahglobal/>
ORCID <https://orcid.org/0000-0001-5642-787X>
Google Scholar [Google Scholar "Mira Johri"](#)
PubMed [Johri M \[Author\]](#)
Website www.mirajohri.org