

WORLD HEALTH ORGANIZATION COLLABORATING CENTRE

*GOVERNANCE, ACCOUNTABILITY & TRANSPARENCY
IN THE PHARMACEUTICAL SECTOR*

Annual Report
October 2020 - OCTOBER 2021

Director
Dr. Jillian C. Kohler

COPYRIGHT © 2021

WHO WE ARE

This WHO CC involves the following multidisciplinary team of directors, faculty members, and research fellows:

Directors

DR. JILLIAN C. KOHLER
Director

*Leslie Dan Faculty of Pharmacy
University of Toronto*

DEIDRE DIMANCESCO
Technical Director

*Medicines Policy, Access & Rational Use
World Health Organization*

Research Fellows at University of Toronto

DR. SUZANNE CADARETTE

Associate Professor
*Leslie Dan Faculty of
Pharmacy*

DR. ERICA DI RUGGIERO

Associate Professor
*Dalla Lana School of Public
Health*

DR. LISA FORMAN

Associate Professor
*Dalla Lana School of Public
Health*

**DR. PAUL
GROOTENDORST**

Associate Professor
*Leslie Dan Faculty of
Pharmacy*

DR. QUINN GRUNDY

Assistant Professor
*Lawrence S. Bloomberg Faculty
of Nursing*

DR. TRUDO LEMMENS

Professor
*Faculty of
Law*

DR. JOEL LEXCHIN

Associate Professor
*Temerty Faculty of
Medicine*

DR. ANITA MCGAHAN

Professor
*Munk School of Global
Affairs*

DR. NAV PERSAUD

Scientist
*Li Ka Sing Knowledge
Institute*

DR. ALISON THOMPSON

Associate Professor
*Leslie Dan Faculty of
Pharmacy*

Research Fellows Outside University of Toronto

**DR. MARC-ANDRÉ
GAGNON**

Associate Professor
*School of Public
Policy & Administration
(Carleton University)*

DR. TIM MACKEY

Associate Professor
School of Medicine
(University of California)

DR. KATHY MOSCOU

Adjunct Professor
Faculty of Applied Health
Sciences
(Brock University)

DR. KATRINA PEREHUDOFF

Senior Research Fellow and Co-Director
*Law Centre for Health and Life
Amsterdam Law school
(University of Amsterdam)*

DR. TARYN VIAN

Professor and Statewide MPH Director
*School of Nursing and Health Professions
(University of San Francisco)*

Contact Us:

Leslie Dan Faculty of Pharmacy

University of Toronto

144 College Street

Toronto, Ontario, M5S3M2

Tel: 416-946-8708 | Fax: 416-978-1833

Email: jillian.kohler@utoronto.ca

Website: <http://www.pharmacy.utoronto.ca/whocc>

Director's Note

The World Health Organization Collaborating Centre (WHO CC) for Governance, Accountability, and Transparency in the Pharmaceutical Sector was established in 2015 at the Leslie Dan Faculty of Pharmacy, University of Toronto. The Centre assembles leading governance and related experts who have created a collaborative network to support WHO policy and country operations on the global problem of corruption.

The objectives of the Centre are:

- To use existing research facilities at the University of Toronto for research, policy analysis and training on issues related to the pharmaceutical component of health systems anti-corruption, transparency and accountability (ACTA) in collaboration with WHO.
- To support global dissemination of knowledge on the issues related to the pharmaceutical component of health systems ACTA.
- To support collaboration and help intensify work the work of the WHO in relation to the pharmaceutical component of health systems ACTA.

This year, we have had to adjust the way we work to overcome the challenges associated with the COVID-19 pandemic. We have moved our workspaces online and hosted virtual seminars and workshops. We have established a strong virtual community, which has permitted us to work across borders and foster connections with individuals around the world. Our fellows, their students and research assistants have been incredibly productive despite the challenges that come with working remotely through pandemic lockdowns. Furthermore, the ongoing global COVID-19 vaccine rollout has brought issues of transparency, accountability, and anti-corruption to the forefront of the global agenda, which has put our work at the forefront of policy, research and discussion. I thank all of the fellows and research team for their commitment to the WHO CC's objectives and this report is testimony to all of their efforts. Lastly, thank you to the Connaught Global Challenge Award for supporting the work we do. It is much appreciated.



Jillian Clare Kohler, PhD
Director

Webinars

The Centre held 12 collaborative webinars featuring international and national experts.

October 1, 2020

Webinar: WHO CC Introduction Research Group for the Connaught Global Challenge

Presenter: Quinn Grundy

Details: Dr. Quinn Grundy presented her work on approaches to analysis for conflict of interest policies in the pharmaceutical sector. In collaboration with the WHO South-East Asia Region Office, Dr. Quinn Grundy will undertake a review of public sector, pharmaceutical committee conflict of interest policies, a key aim of which is to evaluate these policies in terms of their comprehensiveness and effectiveness. She discussed the benefits and challenges of adapting this framework to policies originating in the public sector in lower- and middle-income countries and whether alternatives exist.

October 22, 2020

Online Workshop: Accountability and Transparency in Opioid Access and Use in the Context of COVID-19: A Multi-Stakeholder Webinar Series. Session 1: Accountability, Transparency, Criminality, and Policy: A Case Study

Presenter: Tim Mackey

Details: Tim K. Mackey, MAS, PhD, is a current fellow at the University of Toronto WHOCC for Governance, Accountability and Transparency in the Pharmaceutical Sector. He is also an Associate Professor at UC San Diego, the Director of Healthcare Research and Policy at UC San Diego - Extension, and the Director of the Global Health Policy and Data Institute. Outside of academic work, he is also the CEO and co-founder of the National Institutes of Health funded technology start-up S-3 Research LLC. His work on online opioid diversion and COVID-19 fraudulent products has been covered by Vox/Recode, the Wall Street Journal, Politico PRO, CNN and others.

October 29, 2020

Online Seminar: Anti-Corruption, Transparency and Accountability in the Context of COVID-19: A Conversation

Presenters: Katrina Perehudoff, Marc-André Gagnon, Anita McGahan, and Jonathan Cushing

Details: Katrina Perehudoff is a Senior Research Fellow and Co-Director at the Law Centre for Health and Life, Amsterdam Law School, University of Amsterdam. Marc-André Gagnon is an Associate Professor, School of Public Policy and Administration, Carleton University. Anita McGahan is a University Professor, George E. Connell Chair of Organizations & Society, Rotman School of Management, Munk School of Global Affairs and Public Policy, Faculty of Medicine, and Dalla Lana School of Public Health, University of Toronto. All three individuals are current fellows at the WHOCC for Governance, Accountability and Transparency in the Pharmaceutical Sector.

November 5, 2020

Online Seminar: Accountability and Transparency in Opioid Access and Use in COVID-19 – Session 2: Opioid Practices and Policies: Benefits, Harms, and Opportunities

Presenters: Nanky Rai, Brandon Maser, Milica Pavlovic, and Dan Werb

Details: Nanky Rai, a Primary Care Physician, Parkdale-Queen West Community Health Centre, presented on: *Structural Violence, Criminalization and the Dual Crises of Overdose Deaths and*

COVID19: Reducing Harms Through a Safe Supply. Brandon Maser, Paediatrics Resident, Hospital for Sick Children, presented on: *Global Perspectives on the Issues of Opioid Access and Misuse*. Milica Pavlovic, a JD Candidate, University of Toronto Faculty of Law, presented on: *Opioid Litigation in Canada and the US: Opportunities, Challenges, and Public Health Implications*. Finally, Dr. Dan Werb, a Research Scientist at the Li Ka Shing Knowledge Institute, also contributed to the online seminar.

November 20, 2020

Online Seminar: Accountability and Transparency in Opioid Access and Use in COVID-19 – Session 3: Ensuring Access While Addressing, Preventing, and Reducing Harm

Presenters: Tara Gomes, Gillian Kolla, and Lesley Graham

Details: Tara Gomes, an Epidemiologist and Principal Investigator, Ontario Drug Policy Research Network (ODPRN), Li Ka Shing Knowledge Institute, presented on: *The changing landscape of opioid-related harm: Evaluating the impact of the COVID-19 pandemic*. Gillian Kolla, a Post-Doctoral Research Fellow, Canadian Institute for Substance Use Research, University of Victoria, presented on: *Root causes and harm reduction responses to the Canadian opioid overdose crisis*. Lesley Graham, a Graduate Student & Pharmacist, Centre for Addictions and Mental Health, presented on: *Preventing harm from opioids prescribed for acute pain: The role of the pharmacist*.

December 4, 2020

Online Seminar: Pharmaceutical politics and policy: The challenges for media Graduate Department of Pharmaceutical Sciences

Presenter: Keith Gerein

Details: Keith Gerein is a William Southam Journalism Fellow at Massey College and a Senior Journalist at the Edmonton Journal.

December 8, 2020

Online Seminar: Implications of trade agreements for anti-corruption, transparency and accountability (ACTA) mechanisms in the pharmaceutical sector

Presenters: Jillian Clare Kohler, Deborah Gleeson

Details: Dr. Kohler presented at this online seminar which was supported by La Trobe University's Building Healthy Communities Research Focus Area, the Leslie Dan Faculty of Pharmacy at the University of Toronto, the WHO Collaborating Centre for Governance, Accountability and Transparency in the Pharmaceutical Sector and the Connaught Global Challenge Award.

February 11, 2021

Online Seminar: Can Transparency and Accountability Improve National Essential Medicines Lists?

Presenters: Nav Persaud

Details: Nav Persaud is a fellow at the WHOCC for Governance, Accountability and Transparency in the Pharmaceutical Sector. He is also the Canada Research Chair in Health Justice and Associate Professor in the Faculty of Medicine at the University of Toronto, and a family physician at St. Michael's Hospital (Unity Health Toronto).

March 5, 2021

Online Seminar: Sick Stories - Corruption and Health Through the Lens of Independent Documentary Film-Making

Presenters: Julia Farrington

Details: Julia Farrington is a documentary film impact producer, Associate Curator with Doc Society UK's leading organization supporting and promoting documentary films, and founder member of the consultancy International Arts Rights Advisors.

April 8, 2020

Online Seminar: **What Do Companies Say When Their Drugs Are Withdrawn From the Market?**

Presenters: **Joel Lexchin**

Details: Along with being a fellow at the WHOCC, Joel Lexchin is an Associate Professor, Faculty of Medicine, University of Toronto and Professor Emeritus in the School of Health Policy and Management at York University.

June 16, 2021

Online Seminar: **How Much Do We Know about COVID-19 Vaccine Deals? The Quest for Transparent and Equitable Vaccine Deployment**

Presenters: **Jillian Clare Kohler**, Jonathan Cushing, Javier Guzman, Nicaise Ndembi, Natalie Rhodes, David Wilson, and Tom Wright

Details: Jillian Clare Kohler was invited to present at this international webinar hosted by the Center for Global Development.

October 14, 2021

Online Seminar: **Can we move beyond vaccine apartheid? The right to health and global access to COVID vaccines**

Presenter: **Lisa Forman**

Details: Lisa Forman is an Associate Professor at the Dalla Lana School of Public Health. Her research focuses on the right to health in international human rights law; sustainable development goals: universal health coverage; trade-related intellectual property rights and access to medicines globally; HIV/AIDS treatment; and South African constitutional law related to health. She is also a fellow at the WHOCC for Governance, Accountability and Transparency in the Pharmaceutical Sector.

May 10 to May 12, 2021

Online Seminar Series: ***Advancing Anti-Corruption, Transparency and Accountability in the Global Pharmaceutical System***

Instructors: **Jillian Clare Kohler, Joel Lexchin, Marc-André Gagnon**, Veronika J. Wirtz, Sarah Steingrüber, Mark DiBiase, and Mostafa Hunter

Details: Due to the ongoing COVID-19 pandemic, the WHOCC hosted a Summer Institute virtually via Zoom to provide a unique opportunity to researchers, policymakers, and students to learn from an array of multidisciplinary global experts in areas related to corruption risks in the pharmaceutical system. The Summer Institute had over 40 attendees from around the world including Brazil; Montreal, Canada; Ontario, Canada; Estonia; Egypt; Peru; Philippines; Rwanda; Singapore; and Zimbabwe.

The Summer Institute had national and international experts as co-instructors including: Jillian Clare Kohler, Professor, Leslie Dan Faculty of Pharmacy, University of Toronto and Director, WHOCC for Governance, Accountability and Transparency in the Pharmaceutical Sector; Joel Lexchin, fellow at the WHOCC for Anticorruption, Accountability and Transparency in the

Pharmaceutical Sector and Associate Professor, Department of Family and Community Medicine, University of Toronto;

Marc-André Gagnon, fellow at the WHOCC for Anticorruption, Accountability and Transparency in the Pharmaceutical Sector and Associate Professor, School of Public Policy and Administration, Carleton University;

Veronika J. Wirtz, Professor, Department of Global Health, Boston University School of Public Health and Director, World Health Organization Collaborating Centre in Pharmaceutical Policy;

Sarah Steingrüber, Independent Global Health Consultant; Affiliate Expert, U4 Anti-Corruption Resource Centre; and Global Health Lead, Curbing Corruption;

Mark DiBiase, Policy Specialist, United Nations Development Programme (UNDP); and

Mostafa Hunter, Senior Expert, Corruption Risk Management, UNDP.

Presentations, Lectures, Panels & Interviews

2020

American Public Health Association Annual Meeting, Philadelphia. [Peer reviewed]

Joel Lexchin. Canada, COVID and medicines: is Canada really back?

October 16, 2020

Canadian Public Health Association Conference (virtual symposium)

Di Ruggiero, E., Aslanyan, G., Tam, T., Zarowsky, C. Canada's role in global health: Challenges and Opportunities for Public Health Action.

October 20, 2020

UC San Diego Rady School Institute for Supply Excellence and Innovation [virtual panel].

Mackey TK. COVID-19 and the Health Supply Chain [invited discussion panel].

October 24-28, 2020

APHA's 2020 VIRTUAL Annual Meeting and Expo.

Mackey TK. Characterizing the Multifaceted COVID-19 Infodemic Using Big Data, Machine Learning and Interdisciplinary Analysis. American Public Health Association.

October 24-28, 2020

APHA's 2020 VIRTUAL Annual Meeting and Expo.

Mackey TK. The Acceleration of Digital Health Technologies in a post COVID19 Era: Exploring Technology Modalities, Innovation, and Policy. American Public Health Association.

November 2, 2020

International Conference *Asimetrías del conocimiento; Producción, circulación, impactos*, organized by Conocimiento y Políticas Públicas (CPP). Virtual Conference transmitted through Biblioteca del Congreso de la Nación.

Marc-André Gagnon, Federico Testoni, Mercedes García Carrillo, Cecilia Rikap and Matías Blaustein. "Sobre qué hombros se para la investigación en salud? La influencia de las compañías farmacéuticas en las agendas globales de investigación biomédica". Buenos Aires.

November 10, 2020.

Center for Vaccine Preventable Diseases, virtual.

Jillian Clare Kohler. Corruption Risks Related to a COVID-19 Vaccine: Why Transparency and Accountability Matter.

November 12, 2020

ASOP Global 2020 All-Hands Meeting [virtual conference].

Mackey TK. Updates on Big Data and Machine Learning Approaches to Detect and Characterize Illicit Drug and COVID-19 Product Sales Online.

Nov 19, 2020

Centre for Advanced Studies, Ludwig Maximilian University, Munich.

Alison Thompson. “Vaccines and COVID-19: The Importance of Trust.”

November 2020

University of British Columbia Therapeutics Initiative

Joel Lexchin. The pharmaceutical industry and the Canadian medical profession: too close for comfort?

Dec. 2, 2020

University of Toronto Joint Centre for Bioethics Seminar Series

COVID-19 Vaccine Ethics: Creating a Climate of Trust.

Alison Thompson. <https://www.youtube.com/watch?v=iCIVhNbosTw>

December 3, 2020

The Economic Times Global Digital League 2020 Conference

Mackey TK. COVID-19: An Opportunity to Reshape Healthcare? [keynote - virtual conference].

December 3, 2020

PRISM Health Symposium 2020 [virtual conference].

Mackey TK. The Future of Inveigilliance: Moving Towards Multimodal Approaches Leveraging Social Media. Invited Panel: Updates in Social Media Research Data Sources and Considerations.

December 4, 2020

International Anti-Corruption Conference, virtual.

Jillian Clare Kohler. Exposing Health Corruption in a Time of COVID-19.

December 9, 2020

GITEX 2020, Future Blockchain Summit

Mackey TK. Utilising Blockchain Technology to Address Healthcare Fraud and Abuse. Dubai World Trade Center, Dubai [video recorded presentation].

December 16, 2020

Mackey TK. Inveigilliance, Big Data and Machine Learning in the COVID-19 Pandemic [invited panel presentation and discussion], San Diego Supercomputer Center, Data West 2020, [virtual conference]

February 2, 2021

Marc-André Gagnon. Justice et transparence dans le domaine du médicament ». Organisé par le Centre de Recherche en Droit Public de l'Université de Montréal, coordonné par Laurence Largenté

February 4, 2021

KPIX5 CBSN, San Francisco

Yu, B. and McCrear, M. Constrained COVID vaccine supply prompts the privileged to jump the line.

February 5, 2021

National Big Data Health Science Conference 202 [virtual conference]

Mackey TK. Leveraging Different Approaches in Big Data and Machine Learning to Conduct Infection Studies for the COVID-19 Pandemic [invited breakout discussion and panel Q&A], University of South Carolina, Big Data Health Science Center.

February 24, 2021.

UNODC, virtual

Jillian Clare Kohler. Corruption Risks in the Health System.

February 25, 2021.

UNDOC, virtual

Jillian Clare Kohler. Corruption Risks in the Pharmaceutical System.

March 4, 2021

Public Safety Canada, 2021 Law Enforcement Roundtable on Drugs [virtual conference]

Mackey TK. Big Data Investigation of Cyber Fentanyl Cross-Border Trade on the Internet [invited virtual session "Current and Emerging Trends in the Illicit Drug Supply Chain."

March 12-14, 2021

Consortium of Universities for Global Health Conference (poster presentation)

Orleans, E., **Di Ruggiero, E., Lexchin, J., Kohler, J.** Strengthening Governance Systems to Enhance Access to Antimalarial Medicines within Universal Health Coverage in a Low to Middle Income Country: A Case-Study of Ghana.

March 19, 2021

UCSF Alumni Author Series [online]

Quinn Grundy, invited speaker. "A conversation with Quinn Grundy PhD RN '15 about her book *Infiltrating Healthcare*."

March 23, 2021.

Testified before the Senate Committee on Health, Education, Labor and Pensions

Subcommittee on Primary Health and Retirement Security at our hearing on

Navindra Persaud. Why Does the U.S. Pay the Highest Prices in the World for Prescription Drugs?"

March 26, 2021

The Centre for Addiction and Mental Health, "Opioid use disorder in primary care" conference [virtual]

Quinn Grundy, invited speaker. “History repeating itself? Understanding the role of industry in education related to opioid use disorder.”

March 26, 2021

Presentation for *La mondialisation face à la crise*

Marc-André Gagnon. Covid-19: Nationalisme vaccinal et brevets; Comment envisager des alternatives.

March 2021

Joel Lexchin, Panelist. Ethical Concerns and Barriers in Global Health Initiatives, Global Health Engage, University of Toronto

April 7, 2021

University of Toronto Joint Centre for Bioethics Named Lecture.

Alison Thompson. Ross Upshur Lecture in Public Health Ethics: Examining Tensions in Public Health Ethics: Reflections from COVID-19. Panelist with Dr. Brian Schwartz and Sally Bean.

April 15, 2021

Moderator, World Health Organization Fair Pricing Forum (virtual)

Taryn Vian. “Tools, Standards, and Solutions for Improving Price Transparency.”

May 15, 2021

Interview for the *Causes or Cures* Podcast

Marc-André Gagnon. “What is the Dominant Biomedical Research Agenda and Industry's Massive Influence?”

May 19-21, 2021

Poster presented at the virtual 2021 annual Canadian Association of Health Services and Policy Research (CAHSPR) conference

Campbell, C.*, Ali, R.*, Brennenstuhl, S., **Grundy, Q.**, Haw, J., & Holloway, K. “Perspectives on donation from convalescent plasma donors participating in a clinical trial for COVID-19: a cross-sectional survey.”

May 26, 2021

Présentation pour le *Global Investigative Journalism Network*

Marc-André Gagnon. Comprendre l'économie politique fantôme dans le secteur pharmaceutique.

May 26, 2021

University of San Francisco

Taryn Vian. “On the Front Line with the COVID-19 Vaccine: A Conversation with Fred Angulo and Taryn Vian.”

May 26-29, 2021

Canadian Association for Health Services & Policy Research Conference,

Orleans, E., **Di Ruggiero, E., Lexchin, J., Kohler, J.**, Strengthening Governance Systems to Enhance Access to Antimalarial Medicines within Universal Health Coverage in a Low to Middle Income Country: A Case Study of Ghana.

June 2, 2021

Presentation for « Au cœur des sciences », Université du Québec à Montréal

Marc-André Gagnon. Quand les brevets font barrage.

June 21 to July 2, 2021

WHO 23rd Meeting of the WHO Expert Committee on the Selection and Use of Essential Medicines
Navindra Persaud. Canada Randomized trial of the concept of essential medicines. World Health Organization, Geneva, Switzerland. Virtual Meeting.

June 22, 2021

Milken Institute Future of Health Summit [virtual panel]

Mackey TK. Panelist: The Dollars and Sense of Investing in Mental Health Resources.

June 2021

House of Commons of Canada Standing Committee on Health (HESA).

Kohler, J. Expert Testimony on the Emergency Situation Facing Canadians in Light of the COVID-19 Pandemic.

June 2021

Center for Global Development, virtual.

Kohler, J. How Much Do We Know about COVID-19 Vaccine Deals? The Quest for Transparent and Equitable Vaccine Deployment.

June 2021

Health in Europe Discussion Forum

Joel Lexchin, Panelist. What progress in achieving transparency in pharmaceutical regulation.

June 2021

PharmedOut's 8th Conference: Curtailing Commercial Influence on Health Care

Joel Lexchin. Bad prescribing in the ER: Problems and Solutions.

June 2021

Joel Lexchin. Speaker at book launch for *Oppression: A Social Determinant of Health*

June 16-18 2021

PharmedOut "Cutting the Cord: Curtailing Commercial Influence on Healthcare

Quinn Grundy, invited speaker: "Virtual promotion: Examining sponsorship and advertising within medicines-related apps."

June 21-July 2, 2021

Persaud, N. Randomized trial of the concept of essential medicines. WHO 23rd Meeting of the WHO Expert Committee on the Selection and Use of Essential Medicines. World Health Organization, Geneva, Switzerland. Virtual Meeting.

July 6-8, 2021

Oral presentation at the International Conference on Public Policy [virtual]

Grundy, Q., Campbell, C.*, & Holloway, K. “These relationships bore fruit”: A case study of convalescent plasma clinical trials during the COVID-19 pandemic.

July 12, 2021

Community Anti-Drug Coalitions of America (CADCA) 20th Annual Mid-Year Conference 2021, [virtual panel]

Mackey TK. Panelist: Scoring on Social Media: Drugs and the Internet.

July 30, 2021

University of San Francisco, Faculty Presentation Series.

Taryn Vian. “Corruption and Health Equity.”

August 4, 2021

Mackey TK. Panelist: Telemedicine Grand Rounds: Introduction to Digital Health & Applications in the VHA/DoD, Joint Incentive Fund Cardiovascular Disease Prevention Program, American College of Preventive Medicine, [virtual panel]

Awards

Recipient: **Di Ruggiero, Erica** and Cadotte, M.

Funding Agency: University of Toronto

Title: Institutional Strategic Initiative Grant – Sustainable Development Goals at University of Toronto

Amount: \$155,000

Recipient: **Di Ruggiero, Erica**

Funding Agency: Public Health Agency of Canada

Title: Engaged literature review on **governance** options for a strengthened and renewed public health system in Canada

Amount: \$24,860

Recipient: **Forman, Lisa (Principal Applicant), Kohler, Jillian Clare (Collaborator), Lemmens, Trudo (Collaborator)**

Funding Agency: University of Toronto

Title: Connaught Global Research Impact Program (C-GRIP) – Advancing rights-based access to COVID vaccines as part of universal health coverage

Amount: \$239,251

Recipient: **Kohler, Jillian Clare**

Funding Agency: Social Sciences and Humanities Research Council

Title: Insight Development Grant – Corruption Risks in the Global Deployment of COVID-19 Vaccines: The Case of COVAX

Amount: \$75,000

Recipient: **Kohler, Jillian Clare**

Funding Agency: Social Sciences and Humanities Research Council

Title: Institutional Grant – Evaluating the digitization of the pharmaceutical supply chain and improving global health outcomes

Amount: \$655.92

Recipient: **Thompson, Alison**

Funding Agency: Social Sciences and Humanities Research Council

Title: Institutional Operating Grant – Ethics and COVID-19: Mapping the ethical landscape

Amount: \$966.00

Publications

Adekoya, I., Maraj, D., Steiner, L., Yaphe, H., Moja, L., Magrinin, N., Cooke, G., Loeb, M., **Persaud, N.** (2021). Comparison of antibiotics included in national essential medicines lists of 138 countries using the WHO Access, Watch, Reserve (AWaRe) classification: a cross-sectional study. *Lancet Infect Dis.* 21(1):1429-1440. doi: 10.1016/S1473-3099(20)30854-9.

Bardier, C., Yang, J., Li, J., & **Mackey, T.K.** (2021). Characterizing Alternative and Emerging Tobacco Product Transition of Use Behavior on Twitter. *BMC Res Notes*. <https://doi.org/10.21203/rs.3.rs-471140/v1>

Barney, B., Kivleniece, I., & **McGahan, A.M.** The private provision of public goods. In process.

Bellatin, S., Hyder, A., Rao, S., Zhang, P., **McGahan, A.M.** (2021). Managerial strategies to overcome vaccine deployment challenges among the hardest to reach: Lessons from polio elimination in India. *British Management Journal* 6:4, pp. 1-5. <https://gh.bmj.com/content/6/4/e005125.full> and doi:10.1136/bmjgh-2021-005125

Benipal, S., Budhram, D.R., Bilimoria, K., Woods, H., Wang, R., **Persaud, N.** (2021). Essential tobacco dependence medicines in 137 countries. *Addiction* 116(6): 1606-1609. <https://pubmed.ncbi.nlm.nih.gov/33022824/>

Blomqvist, Å. & **Grootendorst, P.** (2021). “Cutting Square Deals: Drug Prices, Regulation, and Patent Protection.” Commentary No. 605. *C.D. Howe Institute*. https://www.cdhowe.org/sites/default/files/attachments/research_papers/mixed/Commentary_605_0.pdf

- Brail, S., Rosiers, N.D., **McGahan, A.M.** (2020). The Show Must Go On: Innovation and Inclusive Growth in the Arts During and After COVID. *Policy Options*.
<https://policyoptions.irpp.org/magazines/june-2020/for-the-arts-the-show-must-go-on-after-covid-19/>
- Budhram, D., Benipal, S., Bilimoria, K., Maraj, D., Wang, R., **Persaud, N.** (2021). Essential diabetes medicines and health outcomes in 127 countries. *Diabetes Obes Metab.* 23(5):1121-1128. Doi: 10.1111/dom.14316.
- Calac, A., Bardier, C., Cai, M., **Mackey, T.K.** (2021). Examining Facebook Community Reaction to a COVID-19 Vaccine Trial on the Navajo Nation. *Am J Pub Health*. <https://doi.org/10.2105/AJPH.2021.306202>
- Charles, O., Woods, H., Ally, M., Manns, B., Shah, B.R., Wang, R., **Persaud, N.** (2021). Effect of free distribution of medicines on the process of care for adult patients with type 1 and type 2 diabetes and hypertension: post hoc analysis of randomized controlled trial findings. *BMJ Open* 11(3):e042046. doi: 10.1136/bmjopen-2020-042046.
- Chavez, J., Shah, N.A., Ruoss, S., Cuomo, R.E., Ward, S.R., **Mackey, T.K.** (2021). Online Marketing Practices of Regenerative Medicine Clinics in U.S.-Mexico Border Region: A Web Surveillance Study. *Stem Cell Research & Therapy*. 12:189.
- Cratsley, K., Brooks, M.A., & **Mackey, T.K.** (2021). Refugee Mental Health, Global Health Policy, and the Syrian Crisis. *Front Public Health* 9:676000. doi: 10.3389/fpubh.2021.676000.
- Cratsley, K.R., Wickremsinhe, M.N., & **Mackey, T.K.** (2020). “Human Rights and Global Mental Health: Reducing the Use of Coercive Measures.” In: Global Mental Health Ethics 247-268 (Dwyer, Kohrt, and Candilis, eds.): *Springer*.
- Cuomo, R.E., Purushothaman, V., Li, J., Cai, M., **Mackey, T.K.** (2020). Sub-national Longitudinal and Geospatial Analysis of COVID-19 Tweets. *PLoS One* 15(1): e0241330.
- Cuomo, R.E., Purushothaman, V.L., Li, J., Bardier, C., Nali, M., Shah, N., Obradovich, N., Yang, J., **Mackey, T.K.** (2021). Characterizing Self-reported Tobacco, Vaping, and Marijuana-related Tweets Geolocated for California College Campuses. *Front in Pub Health*. 9:628812.
- Cuomo, R.E., Yang, J., Purushothaman, V., Nali, M., Li, J., **Mackey T.K.** (2021). A Geospatial Analysis of Age Disparities in Resolute Localities of Tobacco and Vaping-Specific Storefronts in California. *Tobacco Prev Cessation* 32.
- Cuomo, R.E., Cai, M., Shah, N., **Mackey, T.K.** (2021). Physicians Payment in the United States between 2014 and 2018: An Analysis of the CMS Open Payments Database. *PLoS One*.16(6):e0252656.
- Di Ruggiero, E.** (2021). Contributions to Canada defends decision to draw vaccines from program aimed at low- and middle-income countries. *The Washington Post*. https://www.washingtonpost.com/world/the_americas/coronavirus-canada-covax-vaccine/2021/02/04/7c2523ce-6727-11eb-8468-21bc48f07fe5_story.html

Di Ruggiero, E. (2021). Global cooperation in public health needs to centre equity. *Health Care Papers* 19(4).

Di Ruggiero, E., Aslanyan, G. (2020). Canada needs to beef up its global health diplomacy. *Policy Options*. <https://policyoptions.irpp.org/magazines/june-2020/canada-needs-to-beef-up-its-global-health-diplomacy/>

Di Ruggiero, E., Aslanyan, G. (2021). Wanted in 2021: a coherent global health strategy for Canada. *The Conversation*. <https://theconversation.com/wanted-in-2021-a-coherent-global-health-strategy-for-canada-151666>

Fabbri A., Hansen, C., **Grundy, Q.,** Bero, L., Dunn, A. Mohammed, A., Mintzes, B. (2021). Association between conflicts of interest and authors' positions on harms of varenicline: a cross-sectional analysis. *J Gen Int Med*.

Forman, L. & Kohler, J.C. (2020). Global health and human rights in the time of COVID-19: Response, restrictions, and legitimacy, *Journal of Human Rights*, 19:5, 547-556.
<https://doi.org/10.1080/14754835.2020.1818556>

Gagnon, M-A. (2021). À qui appartiennent les vaccins contre la Covid? *Les Nouveaux Cahiers du Socialisme* Vol. 25.

Gagnon, M-A. (2021). La suspension des brevets sur les vaccins; Faire partie de la solution ». *Options Politiques*. <https://policyoptions.irpp.org/magazines/may-2021/la-suspension-des-brevets-sur-les-vaccins-faire-partie-de-la-solution/>

Gagnon, M-A. (2021). Quelles mains sont aux commandes de la recherche médicale? *Le Devoir*. <https://www.ledevoir.com/opinion/idees/613608/etude-des-interets-commerciaux-lies-de-pres-a-la-recherche-medicale>

Gagnon, M-A. (2021). Understanding the Battle for Universal Pharmacare in Canada; Comment on “Universal Pharmacare in Canada.” *International Journal of Health Policy and Management*. 10(3) pp.168-171, doi: 10.34172/ijhpm.2020.40

Gagnon, M-A. (2021). Vaccins : Recherche publique, profits privés. *Relations* #813.

Glynn, E.H., Amukele, T., & **Vian, T.** (2021). Corruption: An impediment to delivering pathology and laboratory services in resource-limited settings. *The American Journal of Clinical Pathology*, <https://doi.org/10.1093/ajcp/aqab046>

Grundy, Q. (2021). A politics of objectivity: Evidence-based medicine's attempts to grapple with “non-financial” conflicts of interest. *Science and Engineering Ethics*, 27(3):37. [PA; impact factor = 2.275]

- Grundy, Q.,** Cussen, C., & Dale, C. (2020). Constructing a problem and marketing solutions: A critical content analysis of the nature and function of industry-authored oral health educational materials. *Journal of Clinical Nursing*, 29(23-24), 4697-4707.
- Grundy, Q.,** Mazzarello, S., Brennenstuhl, S., Karanges, E.A (2021). A comparison of educational events for physicians and nurses in Australia sponsored by opioid manufacturers. *PLOS ONE*, 16(3): e0248238.
- Grundy, Q.,** Millington, A., Cussen, C., Held, F., Dale, C. (2020). Promotion or education? A content analysis of industry-authored oral health educational materials targeted at acute care nurses. *BMJ Open*, 10:e040541.
- Grundy, Q.,** Parker, L., Wong, A., Fusire, T., Kim, U., Dimancesco, D., Tisocki, K., Walkowiak, H., **Vian, T.,** Koller, J. How addressing conflict of interest can strengthen pharmaceutical governance: A survey of conflict of interest policy in the South East Asia Region. In process.
- Habibi, R., **Lexchin, J.** (2021). The COVID-19 vaccination race: why wealthy countries like Canada must do more to help poorer ones get across the finish line. *Open Canada*. <https://opencanada.org/canada-isnt-in-a-covid-19-vaccination-race-against-other-countries-were-all-in-a-raceagainst-time/>.
- Haupt, M., Li, J., & **Mackey, T.K.** (2021). Identifying and Characterizing Scientific Authority-related Misinformation Discourse about Hydroxychloroquine on Twitter using Unsupervised Machine Learning. *Big Data & Society*. 8(1): <https://doi.org/10.1177/20539517211013843>
- Haupt, M.R., Jinich-Diamant, A., Li, J., Nali, M., **Mackey, T.K.** (2021). Characterizing Twitter User Topics and Communication Network Dynamics of the “Liberate” Movement During COVID-19 using Unsupervised Machine Learning and Social Network Analysis. *Online Social Networks and Media*. 21:100114.
- Haupt, M.R., Xu, Q., Yang, J., Cai, M., **Mackey, T.K.** (2021). Network Analysis of Vaping Industry Influence and Mobilization on Facebook. *J Med Internet Res*. In press.
- Kohler, J.C** & Dimancesco, D. (2020). The risk of corruption in public pharmaceutical procurement: how anti-corruption, transparency and accountability measures may reduce this risk. *Global Health Action*, 13:sup1. doi:[10.1080/16549716.2019.1694745](https://doi.org/10.1080/16549716.2019.1694745)
- Kohler, J.C.** (2021). Deployment of COVID-19 Vaccines: Are We All In This Together? *Healthcare Papers* 19(4): 48–52. doi:[10.12927/hcpap.2021.26481](https://doi.org/10.12927/hcpap.2021.26481).
- Kohler, J.C.** (2021). The Urgency of Mutual Collective Accountability in Global Health Governance. *Global Health Governance* (Special Symposium Issue 2021: Global Health Justice and Governance), Vol. XVI, No. 1. <https://blogs.shu.edu/ghg/files/2021/05/Spring-2021-Issue.pdf#page=39>
- Kohler, J.C.** (2021). Why Global Cooperation in Public Health Needs a Leader. *Healthcare Papers*, 19(4): 9–18. doi:[10.12927/hcpap.2021.26487](https://doi.org/10.12927/hcpap.2021.26487).

- Kohler, J.C. & Bowra, A.** (2020). Exploring anti-corruption, transparency, and accountability in the World Health Organization, the United Nations Development Programme, the World Bank Group, and the Global Fund to Fight AIDS, Tuberculosis and Malaria. *Globalization and Health*, 16:101. <https://doi.org/10.1186/s12992-020-00629-5>
- Land, E., da Silva, S.A., & **Persaud, N.** (2021). Are Guidelines Fueling Inequity? A Call to Action for Guideline Developers and Their Panelists. *Chest*. 159(2):465-466. doi:10.1016/j.chest.2020.10.036.
- Lexchin, J.**, Bero, L.A., Davis, C., **Gagnon, M-A.** Achieving greater independence from commercial influence in research *BMJ* 372:n370. <http://dx.doi.org/10.1136/bmj.n370>.
- Lexchin, J.** (2020). Can a pharma company change? Profit, not altruism, motivates COVID 19 vaccine development. *The Conversation*. <https://theconversation.com/can-a-pharma-company-change-profit-not-altruism-motivates-covid-19-vaccine-development-151739>
- Lexchin, J.** (2020). Pharma versus pharmacare. *CCPA Monitor*. <https://www.policyalternatives.ca/publications/monitor/pharma-versus-pharmacare>
- Lexchin, J.** (2021). Are academia-pharma partnerships essential for novel drug discovery in the time to the COVID-19 pandemic? *Expert Opinion on Drug Discovery* 16(5):475-479. <https://doi.org/10.1080/17460441.2021.1858794>.
- Lexchin, J.** (2021). Canada is virtue signalling while waffling on global access to COVID-19 vaccines. *The Conversation*. <https://theconversation.com/canada-is-virtue-signalling-while-waffling-on-global-access-to-covid-19-vaccines-160685>
- Lexchin, J.** (2021). Controversial Alzheimer's drug highlights concerns about Health Canada approval process. *The Conversation*. <https://theconversation.com/controversial-alzheimers-drug-highlights-concerns-about-health-canada-approval-process-164845> <https://theconversation.com/controversial-alzheimers-drug-highlights-concerns-about-health-canada-approval-process-164845>
- Lexchin, J.** (2021). The roots of Canada's COVID-19 vaccine shortage go back decades. *The Conversation*. <https://theconversation.com/the-roots-of-canadas-covid-19-vaccine-shortage-go-back-decades-154792>.
- Lexchin, J.** (2021). Time to marketing of generic drugs after patent expiration in Canada. *JAMA Network Open* 4(3):e211143. doi:10.1001/jamanetworkopen.2021.1143.
- Lexchin, J. & Fugh-Berman, A.** (2021). A ray of sunshine: transparency in physician-industry relationships is not enough. *Journal of General Internal Medicine*. DOI: 10.1007/s11606-021-06657-0.
- Lexchin, J.** Time to market for drugs approved in Canada between 2014 and 2018: an observational study. *BMJ Open* 2021;11:e047557.

Lexchin, J., Bero, L., Gagnon, M-A, Grundy, Q., Mintzes, B. (2021). Canada's COVID-19 vaccine task force transparency crucial. *Troy Media*. <https://troymedia.com/politicslaw/covid-19-vaccine-task-force-transparency-crucial/>.

Lexchin, J., Graham, J., Herder, M., Jefferson, T., **Lemmens, T.** (2021). Regulators, pivotal clinical trials, and drug regulation in the age of COVID-19. *International Journal of Health Services* 51(1):5-13.

Lexchin, J., Mintzes, B., Bero, L., **Gagnon, M-A, Grundy, Q.** (2020). Canada's COVID-19 Vaccine Task Force needs better transparency about potential conflicts of interest. *The Conversation*. <https://theconversation.com/canadas-covid-19-vaccine-task-force-needs-better-transparency-about-potential-conflicts-of-interest-147323>.

Lexchin, J., Mintzes, B., Chiu, K., Parker, L. (2020). Should Australians be worried about waiting for a COVID vaccine when the UK has just approved Pfizer's? *The Conversation*. <https://theconversation.com/should-australians-be-worried-about-waiting-for-a-covid-vaccine-when-the-uk-has-just-approved-pfizers-151287>.

Lexchin, J., Mintzes, B., Holloway, K., **Gagnon, M-A.** (2020). Guidelines governing Canadian doctors' relationships with pharma companies under review. *The Conversation*. <https://theconversation.com/guidelines-governing-canadian-doctors-relationships-with-pharma-companies-under-review-149519>

Light, D.W., **Lexchin, J.** Pharmaceuticals as a market for “lemons”: theory and practice. *Social Science & Medicine* 2021; 268:113368.

Mackey, T.K., Purushothaman, V., Haupt, M., Nali, M., Li, J. (2021). Application of Unsupervised Machine Learning to Identify and Characterize Hydroxychloroquine Misinformation on Twitter. *Lancet Digital Health*. 3(2):e72-75.

McGahan, A.M. (2020). How Contact Tracing Could Change the Economics of Innovation. *Policy Options*. <https://policyoptions.irpp.org/magazines/june-2020/how-contact-tracing-by-employers-could-change-the-economics-of-innovation/>

McGahan, A.M. (2020). In the battle against COVID, Canadians have accomplished a lot—and we need to do more. *The Toronto Star*. Available at: <https://www.thestar.com/opinion/contributors/2020/11/07/in-the-battle-against-covid-canadians-have-accomplished-a-lot-and-we-need-to-do-more.html>

McGahan, A.M., Vakili, K., & Blomfield, M. How does the implementation of a patent system influence the diffusion of knowledge? In process.

Mintzes, B., **Lexchin, J.,** Chiu, K., Wang, Z. (2020). You may be able to buy a COVID vaccine ahead of the government rollout. But jumping the queue comes at a price. *The Conversation*. <https://theconversation.com/you-may-be-able-to-buy-a-covid-vaccine-ahead-of-the-government-rollout-but-jumping-the-queue-comes-at-a-price-149972>.

Morgan, S., **Persaud, N.**, Gagnon, M-A., Martin, D. (2020). “Canadians support pharmacare and it’s time to get on with making it a reality” *Hamilton*

Spectator. <https://www.thespec.com/opinion/contributors/2020/11/05/canadians-support-pharmacare-and-its-time-to-get-on-with-making-it-a-reality.html>

Musacchio, A., **McGahan, A.M.**, Lazzarini, S.G., Wong, J. (2020). COVID-19 underscores the need for mechanisms to coordinate. Global and collective agendas rather than nationalist concerns must dominate. *Policy Options*. <https://policyoptions.irpp.org/magazines/july-2020/global-health-coodination-necessary-in-a-pandemic/>

Nali, M., Purushothaman, V., Xu, Q., Cuomo, R.E., **Mackey, T.K.** (2021). Characterizing and Assessing Compliance of Online Vendors to the State of Massachusetts ENDS Product Sales Ban. *Tob Induc Dis*. 19:5.

Parker, L., Bennett, A., Mintzes, B., **Grundy, Q.**, Fabbri, A., Karanges, E.A., Bero, L. (2020). “There are ways drug companies will get into DTC decisions”: How Australian Drug and Therapeutics Committees address pharmaceutical industry influence. *British Journal of Clinical Pharmacology*, 87(5): 2341-2353.

Parker, L., **Grundy, Q.**, Fabbri, A., Mintzes, B., Bero, L. (2021). “Lines in the sand” - An Australian qualitative study of patient group practices to promote independence from pharmaceutical industry funders. *BMJ Open*, 11:e045140

Perehudoff, K. (2020). Universal access to essential medicines as part of the right to health: a cross-national comparison of national laws, medicines policies, and health system indicators. *Global Health Action*, 13(1), [1699342]. <https://doi.org/10.1080/16549716.2019.1699342>

Perehudoff, K., 't Hoen, E., & Boulet, P. (2021). Overriding drug and medical technology patents for pandemic recovery: A legitimate move for high-income countries, too. *BMJ Global Health*, 6(4), [e005518]. <https://doi.org/10.1136/bmjgh-2021-005518>

Perehudoff, K., Demchenko, I., Alexandrov, N. V., Brutsaert, D., Ackon, A., Durán, C. E., El-Dahiyat, F., Hafidz, F., Haque, R., Hussain, R., Salenga, R., Suleman, F., Babar, Z-U-D. (2020). Essential Medicines in Universal Health Coverage: A Scoping Review of Public Health Law Interventions and How They Are Measured in Five Middle-Income Countries. *International Journal of Environmental Research and Public Health*, 17(24), [9524]. <https://doi.org/10.3390/ijerph17249524>

Perehudoff, K., Durán, C.E., Demchenko, I., Mazzanti, V., Parwani, P., Suleman, F., de Ruijter, A. (2021) Impact of the European Union on access to medicines in low- and middle-income countries: A scoping review. *Lancet Regional Health Europe*.

Perehudoff, K., Mara, K., 't Hoen, E.. (2021). What is the evidence on legal measures to improve the transparency of markets for medicines, vaccines and other health products (World Health Assembly resolution WHA72. 8)? Part of the Health Evidence Network series, commissioned by WHO Regional Office Europe, Copenhagen, Denmark. <https://www.ncbi.nlm.nih.gov/books/NBK572572/>

- Perehudoff, K., Persaud, N., & Forman, L.** (2021). The human right to essential medicines applies to Canadians. *Canadian Family Physician*, 67(6), 400-402. <https://doi.org/10.46747/cfp.6706400>
- Persaud, N.,** Bedard, M., Boozary, A., Glazier, R.H., Gomes, T., Hwang, S.W., Juni, P., Law, M.R., Mamdani, M., Manns, B., Martin, D., Morgan, S.G., Oh, P., Pinto, A.D., Shah, B.R., Sullivan, F., Umali, N., Thorpe, K.E., Tu, K., Laupacis, A., Carefully selected and Easily Accessible at No Charge Medications (CLEAN Meds) study team. (2021). Adherence at 2 years with distribution of essential medicines at no charge: The CLEAN Meds randomized clinical trial. *PLoS Med.* 18(5):e1003590. doi: 10.1371/journal.pmed.1003590.
- Persaud, N.,** Martin, D., Morgan, S., **Gagnon, M-A.** (2020). A Prescription about Addressing Racism we can actually fill. *Healthy Debate*. <https://healthydebate.ca/2020/11/about-healthy-debate/opinions-about-healthy-debate/pharmacare-racism/>
- Purushothaman, V., Li, J., & **Mackey, T.K.** (2021). Detecting Suicide and Self-harm Discussions Among Opioid Substance Users on Instagram using Machine Learning. *Front in Psychiatry* 12:551296.
- Richards, G.C., Aronson, J.K., Heneghan, C., Mahtani, K.R., Koshiaris, C., **Persaud, N.** (2020). Relation between opioid consumption and inclusion of opioids in 137 national essential medicines lists. *BMJ Global Health* 5(11): e003563. doi: 10.1136/bmjgh-2020-003563.
- Sekalala, S., **Perehudoff, K.,** Parker, M., **Forman, L.,** Rawson, B., Smith, M. (2021). An intersectional human rights approach to prioritising access to COVID-19 vaccines. *BMJ Global Health*, 6(2), [e004462]. <https://doi.org/10.1136/bmjgh-2020-004462> [details]
- Shah, N., Li, J., & **Mackey, T.K.** (2021). An Unsupervised Machine Learning Approach for Detection and Characterization of Illicit Drug-dealing Comments and Interaction on Instagram. *Substance Abuse*. In press
- Smith, M., **Forman, L.,** Parker, M. L., **Perehudoff, K.,** Rawson, B., Sekalala, S. (2021). Should COVID-19 Vaccines Authorized for Emergency Use Be Considered “Essential” Medicines? *Health and Human Rights*, 23(1), 145-150. <https://cdn1.sph.harvard.edu/wp-content/uploads/sites/2469/2021/06/Smith.pdf>
- Smith, M.J., Komparic, A., **Thompson, A.** (2020). Deploying the Precautionary Principle to Protect Vulnerable Populations in Canadian Post-Market Drug Surveillance. *Canadian Journal of Bioethics* 3(1): <https://www.erudit.org/fr/revues/bioethics/2020-v3-n1-bioethics05237/1070232ar/>
- Taglione, M.S. & **Persaud, N.** (2021). Assessing variation among the national essential medicines lists of 21 high-income countries: a cross-sectional study. *BMJ Open* 11(8):e045262. doi: 10.1136/bmjopen-2020-045262.
- Testoni, F.E., García Carrillo, M., **Gagnon, M-A,** Rikap, C., Blaustein, M. (2021). Whose shoulders is health research standing on? Determining the key actors and contents of the prevailing biomedical research agenda. *PLoS ONE* 16(4): 0249661. <https://doi.org/10.1371/journal.pone.0249661>: 1-17.

Thompson, A. (2021). Ethics of Paid Sick Leave for the COVID-19 Pandemic and Beyond. *Public Health Measures Working Group of the Ontario COVID-19 Bioethics Advisory Table*. <https://jcb.utoronto.ca/ethics-of-paid-sick-leave-for-the-covid-19-pandemic/>

Thompson, A. (2021) “The Paradox of Vaccine Hesitancy and Refusal: Public Health and the Moral Work of Motherhood”. Chapter 7 in: *Living Pharmaceutical Lives*. Ballantyne, Peri and Ryan Kath (Eds). Abingdon, Oxfordshire, UK: Routledge. <https://www.routledge.com/Living-Pharmaceutical-Lives/Ballantyne-Ryan/p/book/9780367772482>

Traversy, G., Barnieh, E., Akl, E.A., Allan, G.M., Brouwers, M., Ganache, I., **Grundy, Q.**, Guyatt, G.H., Kelsall, D., Leng, G., Moore, A., **Persaud, N.**, Schünemann, H.J., Straus, S., Thombs, B.D., Rodin, R., & Tonelli, M. (2021). Managing conflicts of interest in the development of health guidelines. *CMAJ*, 193, E49-54.

Wang, Z., Bero, L., & **Grundy, Q.** (2021). Understanding professional stakeholders’ active resistance to guideline implementation: The case of Canadian breast screening guidelines. *Social Science & Medicine*, 269:113586.

Wang, Z., **Grundy, Q.**, Parker, L., Bero, L. (2020). Variations in systems for guideline adaptation: A qualitative study of experiences with WHO guidelines. *BMC Public Health*, 20:1758. doi: 10.1186/s12889-020-09812-0.

Wibbens, P.D., Koo, W. W-Y., **McGahan, A.M.** (2020). Which COVID policies are most effective? A Bayesian analysis of COVID-19 by jurisdiction. *PLOS ONE*. <https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0244177>

Wong, A.S.Y., Cole, C.B., & **Kohler, J.C.** (2021). Intellectual property and access to medicines: mapping public attitudes toward pharmaceuticals during the United States-Mexico-Canada Agreement (USMCA) negotiation process. *Global Health* 17(92). <https://doi.org/10.1186/s12992-021-00740-1>

Xu, Q., Purushothaman, V.L., Cuomo, R.E., **Mackey, T.K.** (2021). A Bilingual Systematic Review of South Korean Medical Tourism: A Need to Rethink Policy and Priorities for Public Health? *BMC Pub Health*. 21:658.

Yang, J., Sou, A., Faruqui, A., & **Mackey, T.K.** (2021). A Qualitative Examination of e-cigarette Use Among California Young Adults During the EVALI Outbreak. *Prev Med Rep*. 24:101506.

Yang, J.S., Kotzias, V., Crosbie, E., **Mackey, T.K.** (2020). COVID-19 and a Window of Opportunity: Guiding Principles for a Health-Promoting Trade Agenda. *Int J Health Policy Manag*.

Book and Encyclopedia Chapters, Books, Media Publications, Technical Reports, Knowledge Translation Activities, Policy Briefs, and Briefs to Governments

Bhattacharyya O., **McGahan, A.M.**, Mitchell, W., Mossman, K., eds. (2019). *Private Sector Entrepreneurship in Global Health Innovation, Scale and Sustainability*, University of Toronto Press, Toronto.

Di Ruggiero, E. Global Health Governance in the Sustainable Development Goal Era (2021). Chapter for inclusion in the 2nd edition of *Global Health and Global Health Ethics*. Co-Editors: Benatar S. & Brock, G., Cambridge University Press.

Gagnon, M-A. (2021). "Ghost management as a central feature of accumulation in corporate capitalism: the case of the global pharmaceutical sector". In Marlène Benquet and Théo Bourgeron (ed.) *Accumulating Capital Today: Contemporary Strategies of Profit and Dispossession Policies*. New York: Routledge: pp.163-177.

Gagnon, M-A. (2020). Presentation for *Le comité de lutte en santé de la Clinique communautaire de Pointe-Saint-Charles* on private access to public administrative health data in Quebec.

Gagnon, M-A. (2021). "The Political Economy of Influence; Ghost-management in the Pharmaceutical Sector". In Katherine Fierlbeck, Janice Graham and Matthew Herder (eds.) *Transparency, Power, and Influence in the Pharmaceutical Industry*. Toronto: University of Toronto Press: pp. 159-183.

Gagnon, M-A. (2021). *Mergers and Acquisitions in the Pharmaceutical Sector; Some Necessary Considerations*. Submission to US Federal Trade Commission Pharmaceutical Task Force, Project No. P212900.

Gagnon, M-A. (2021). Organization of a Workshop "Améliorer la sécurité de l'approvisionnement en médicament au Québec. Organized for *Association des pharmaciens des établissements de santé du Québec*.

Gagnon, M-A. (2021). Presentation on "Canada's International Trade and Investment Policy: Selected Considerations Concerning COVID-19 Vaccines". Testimony for the Standing Committee on International Trade (CIIT). House of Commons, Government of Canada.

Gagnon, M-A. (2021). Presentation on "Emergency Situation Facing Canadians in Light of the Second Wave of the COVID-19 Pandemic". Testimony for the Standing Committee on Health. House of Commons, Government of Canada.

Gagnon, M-A. (2021). Presentation on the new guidelines of the Patented Medicines Price Review Board. Organized by Union des consommateurs and attended by unions and community groups.

Gagnon, M-A. Herder, M., Graham, J., Fierlbeck, K., Danyliuk, A. (2021). "Clinical trial data transparency in Canada: Mapping the Progress from Laggard to Leader". In Katherine Fierlbeck, Janice Graham and Matthew Herder (eds.) *Transparency, Power, and Influence in the Pharmaceutical Industry*. Toronto: University of Toronto Press: pp. 114-128.

Gagnon, M-A. & Lexchin, J. (2021). *Soumission quant à la prise en considération d'une nouvelle capacité de biofabrication pour le Canada; De la nécessité de repenser nos manières de faire.* Présenté à Innovation, Sciences et Développement Économique Canada.

Gagnon, M-A., Morgan, S., Persaud, N., Martin, D. (2020). Design and funding of an Angus Reid national survey on drug coverage in Canada during the pandemic.

Gagnon, M-A., Varughese, A., & Awada, N. (2021). *Developing a National Strategy for Rare Diseases in Canada; Some Necessary Considerations.* Submitted to Health Canada.

Ghimire, K.M. & Lemmens, T.(2021). “Balancing the Privacy Rights of Research Participants with the Public Interest in Clinical Drug Trials Data in the Context of Rare Diseases.” In Fierlbeck, K., Herder, M., & Graham, J. (eds.), *Transparency, Power, and Influence in the Pharmaceutical Industry*. Toronto: University of Toronto Press. pp 184-218.

Heilinger, J-C., **Thompson, A.**, Wild , V., Ballantyne , A., Berlinger, N., Chung, R., Eckenwiler , L., Ehni, H-J., Mitra, A. G., Hurst, S., Maeckelberghe, E.L.M., Marckmann, G., Munthe, C., Rid, A., Schröder-Bäck P., Strech, D., & Venkatapuram, S. (2020). Public Health Ethics and Covid-19: the ethical dimensions of public health decision-making during a pandemic. *German COVID-19 Competence Network Public Health Ethics*. [https://pure.rug.nl/ws/portalfiles/portal/166151036/Public_Health_Ethics_and_Covid_19_The_ethical_dimensions_of_public_health_decision_making_during_a_pandemic .pdf](https://pure.rug.nl/ws/portalfiles/portal/166151036/Public_Health_Ethics_and_Covid_19_The_ethical_dimensions_of_public_health_decision_making_during_a_pandemic.pdf)

Herder M, **Lexchin J**, Graham JE, Fierlbeck KA, Vural IE, Doll A, Lemmens T. (2021). Re: Health Canada Clinical Trials Modernization

Kohler, J. and Cushing, C. (2020). Opinion: The credibility of pharmaceutical companies is on the line. Will they get it right? *The Globe and Mail*. Available at: <https://www.theglobeandmail.com/opinion/article-the-credibility-of-pharmaceutical-companies-is-on-the-line-will-they/>

Kohler, J.C. et al. (2020). Covid-19 Vaccines and Corruption Risks: Preventing Corruption in the Manufacture, Allocation and Distribution of Vaccines. UNODC.

Lemmens, T. & Ringkamp, G. (2020). “The Declaration of Helsinki and Transparency: When International Ethics Standards Face National Implementation Challenges.” In Schmidt, U., Frewer, A., & Sprumont, D. (eds.), *Research Ethics and the Declaration of Helsinki*. Oxford University Press. pp. 284-309.

Lemmens, T., Bergman, J., Ghimire, K.M. & Shahid, M. (2020). *Medical Law in Canada*. Alphen aan den Rijn: Wolters Kluwer. 228 pp. (monograph originally part of the International Encyclopaedia of Laws/Medical Law Series).

Lexchin J. (2020). Proposal to reduce the record retention period for clinical trials of drugs involving human subjects

Lexchin J. (2020). Submission to the House of Commons Committee on Health on the final version of the PMPRB's guidelines. *Canadian Doctors for Medicare*.

Lexchin J. (2021). Brief to the House of Commons Standing Committee on Health on the emergency situation facing Canadians in light of the COVID-19 pandemic.

Lexchin J. (2021). Brief to the House of Commons Standing Committee on Health on the emergency situation facing Canadians in light of the second wave of COVID-19

Lexchin J. (2021). Brief to the House of Commons Standing Committee on Industry, Science and Technology on domestic vaccine production

Lexchin, J. (2021). Obsessed by profits: big pharma and the corruption of health. In: McGibbon EA ed. *Oppression: a social determinant of health 2nd ed.* Halifax: Fernwood Publishing, 175-191.

Lexchin, J. (2021). Speak no secrets: (non)transparency in Health Canada's communications about pharmaceutical regulation. In: Fierlbeck K, Graham J, Herder M eds. *Transparency, power, and influence in the pharmaceutical industry: policy gain or confidence game.* Toronto: University of Toronto Press, 139-158.

Lexchin J. (2021). Submission to Health Canada Regarding the National Strategy for High-Cost Drugs for Rare Diseases. *Canadian Health Coalition*

Lexchin J. (2021). Submission on Pharmaceutical Task Force, Project No. P212900. United States Federal Trade Commission, Canadian Competition Bureau, European Commission Directorate General for Competition, United Kingdom Competition and Markets Authority, United States Department of Justice Antitrust Division, Offices of State Attorneys General

McGahan, A.M. A New Strategy for Global Health. Book manuscript, in process.

Rhodes, N., Wright, T., Rusu, V., Bakhtari, H., Cushing, J., **Kohler, J.C.** (2021). For Whose Benefit? Transparency in the development and procurement of COVID-19 vaccines. Transparency International.

Thompson, A., Stall, N.M., Born, K.B., Gibson, J.L., Allen, U., Hopkins, J., Laporte, A., Maltsev, A., McElroy, R., Mishra, S., Munshi, L., Odutayo, A., Pai, M., Proctor, A., Razak, F., Reid, R.J., Siddiqi, A., Smylie, J., Jüni, P., Schwartz B. on behalf of the Ontario COVID-19 Science Advisory Table, "Benefits of Paid Sick Leave During the COVID-19 Pandemic" <https://covid19-sciencetable.ca/sciencebrief/benefits-of-paid-sick-leave-during-the-covid-19-pandemic/>

Media Mentions, Appearances, and Interviews

Jillian Kohler

November 24, 2020

The Globe and Mail

Willims, J. and Montgomery, H. *Coronavirus Update: Pandemic overwhelms Italy's hospitals again.*

Available at: <https://www.theglobeandmail.com/canada/article-coronavirus-update-pandemic-overwhelms-italys-hospitals-again/>

February 8, 2021

The Globe and Mail

Atalic, L. *Coronavirus Update: Canada would benefit from mix-and-match vaccine scenarios, experts say.* Available at: <https://www.theglobeandmail.com/canada/article-coronavirus-update-canada-would-benefit-from-mix-and-match-vaccine/>

February 8, 2021

The Globe and Mail

Kohler, J. *Opinion: Developing countries won't forget Canada's 'me-first' approach to vaccines.*

Available at: <https://www.theglobeandmail.com/opinion/article-developing-countries-wont-forget-canadas-me-first-approach-to-vaccines>

February 9, 2021

The Guardian

Cecco, L. *'We're double-dipping': Trudeau pressured to speed vaccine distribution amid Covax backlash.*

Available at: https://www.theguardian.com/global-development/2021/feb/09/canada-coronavirus-vaccine-covax-trudeau?CMP=Share_iOSApp_Other

February 11, 2021

CNN

Newton, P. *Canada's vaccine rollout stalls, confining seniors to their homes for months to come.*

Available at: <https://www.cnn.com/2021/02/11/world/canada-vaccine-rollout-failure/index.html>

February 12, 2021

Winnipeg Free Press

Kusch, L. *Manitoba move to secure own vaccine supply 'a political statement': expert.* Available at:

<https://www.winnipegfreepress.com/special/coronavirus/manitoba-move-to-secure-own-vaccine-supply-a-political-statement-expert-573787812.html>

February 18, 2021

Quebec Science

Labrecque, A. *Pourquoi le Canada a-t-il recours à l'initiative COVAX pour se procurer des vaccins?*

Available at: <https://www.quebecscience.qc.ca/sante/pourquoi-canada-recours-covax-vaccins/>

February 18, 2021

Express

Nicholson, K. *EU vaccine row: Canadians turn on Justin Trudeau as bloc under fire over shipment*. Available at: <https://www.express.co.uk/news/world/1399399/eu-news-canada-justin-trudeau-covid-19-vaccine-moderna-pfizer-von-der-leyen-spt>

February 19, 2021

CityNews

Ghobrial, A. *Concerns flagged over Ontario's online vaccine appointment portal*. Available at: <https://toronto.citynews.ca/2021/02/19/concerns-flagged-over-ontarios-online-vaccine-appointment-portal/>

February 27, 2021

The Star

Bowden, O., Sarrouh, M., and Warren, M. *How is each Ontario region rolling out COVID vaccines? We contacted all 34 public health units to find out*. Available at: <https://www.thestar.com/news/gta/2021/02/27/how-is-each-ontario-region-rolling-out-covid-vaccines-we-contacted-all-34-public-health-units-to-find-out.html>

February 28, 2021

CTV News Channel

Health Canada Approves AstraZeneca Vaccine. Available at: https://www.ctvnews.ca/video?clipId=2150183&fbclid=IwAR3Of4qAaT5qiItArQEI-CW2ly_haDNPECDR6Qa4UIOUfgfU-B12yetjPc

March 1, 2021

The National

Lowry, W. *Canadians furious over 'sloppy' Covid-19 vaccine strategy*. Available at: <https://www.thenationalnews.com/world/the-americas/canadians-furious-over-sloppy-covid-19-vaccine-strategy-1.1175725>

March 5, 2021

The World

Duwaji, O. *Canada's problematic vaccination campaign*. Available at: <https://www.pri.org/file/2021-03-05/canada-s-problematic-vaccination-campaign>

March 11, 2021

Global News

Aziz, S. *Canada could see more vaccine hurdles while at mercy of other nations, experts warn*. Available at: <https://globalnews.ca/news/7690859/canada-covid-19-vaccine-supply-chain/>

March 23, 2021

Toronto Star

Rider, D. *City adds staff to COVID-19 vaccination clinics after a second day with long lineups*. Available at: https://www.thestar.com/news/city_hall/2021/03/23/city-adds-staff-to-covid-19-vaccination-clinics-after-a-second-day-with-long-lineups.html

March 26, 2021

Toronto Star

Cohen, B. *Why do Ontario's COVID-19 vaccination numbers crash on weekends? GTA hospitals say they're using up their doses*. Available at: <https://www.thestar.com/news/gta/2021/03/26/why-do-ontarios-covid-19-vaccination-numbers-crash-on-weekends-gta-hospitals-say-theyre-running-out-of-doses.html>

April 17, 2021

Kamloops This Week

Alhmidi, M. *China, Russia using their COVID-19 vaccines to gain political influence*. Available at: <https://www.kamloopsthisweek.com/china-russia-using-their-covid-19-vaccines-to-gain-political-influence-1.24308382>

May 25, 2021

Toronto Star

Mosleh, O. *Canada's secret COVID-19 vaccine contracts hinder the fight to boost vaccine confidence, researchers say*. Available at: https://www.thestar.com/news/canada/2021/05/25/canadas-secret-covid-19-vaccine-contracts-hinder-the-fight-to-boost-vaccine-confidence-researchers-say.html?source=newsletter&utm_content=a04&utm_source=ts_nl&utm_medium=email&utm_email=958E0C09D458228C251367D153E86FC5&utm_campaign=tmh_55907

May 26, 2021

U of T News.

Gavin, H. *More transparency needed to ensure success of global COVID-19 response: U of T researcher*. <https://www.utoronto.ca/news/more-transparency-needed-ensure-success-global-covid-19-response-u-t-researcher>

May 26, 2021

The Morning Show.

Jillian Kohler. *Canada needs to be more transparent with its vaccine procurement to curb vaccine hesitancy*. Available at: <https://omny.fm/shows/am640-the-morning-show/transparency-with-vaccine-procurement-would-help-v>

May 31, 2021

The Wall Street Journal

Mackrael, K. and Vieira, P. *Canada and Europe Seek to Boost Vaccine Access After Troubled Rollouts*. Available at: <https://www.wsj.com/articles/canada-and-europe-seek-to-boost-vaccine-access-after-troubled-rollouts-11622462400>

June 2, 2021

Penn Today

Garcia, K. 'Global Health Justice and Governance.' Available at:
<https://penntoday.upenn.edu/news/global-health-justice-and-governance>

Katrina Perehudoff

November 26, 2020

Perehudoff, K., van Kolfschooten, H. & de Ruijter, A. *Denk bij coronavaccin aan sociaal kwetsbaren* [Print] NRC Handelsblad. Netherlands

December 17, 2020

Canada: Is 'me first' COVID vaccine policy hurting other nations? [Web] Al Jazeera. International.

February 11, 2021

Struggle for global vaccination justice [Radio] Deutschlandfunk Kultur. Germany.

May 2, 2021

As India sees record COVID-19 cases, experts say Canada should do more to expand global vaccine access [Web] CBC Radio 1. Canada/International

May 7, 2021

International calls to waive patents on Covid-19 vaccines [Television] Deutsche Welle. Germany/International

June 12, 2021

Strijd tegen vaccinongelijkheid: 'We moeten dringend bij onszelf te rade gaan' [Print] Algemeen Dagblad. Netherlands.

Taryn Vian

December 18, 2020

LA Times

Nelson, L. J. & Lau, M. 'Wealthy patients maneuver to get vaccines first,' p. A7.

December 22, 2020

KCBS Radio

Ryan, T. 'Will those who are wealthy try to buy their way up the covid-19 vaccine line?'

December 28, 2020

KCBS Radio

Sager, R. & Ryan, T. 'Woman sparks controversy after receiving early COVID vaccine by family connection.'

January 5, 2021

Vox media

Schleifer, T. 'How the ultra-wealthy could try to cut in line for the Covid-19 vaccine' Recode.

January 21, 2021

Die Zeit

Buchter, H. 'Mit dem Concierge durch die Pandemie: In den USA erkaufen Reiche sich Ärzte, Tests und sogar frühe Impfungen' [Through the pandemic with Concierge medicine: In the U.S. the rich buy doctors, tests, and even early vaccinations].

Anita M. McGahan

October 27, 2020

CBC News

Liam Casey. "Canadians' interactions with each other significantly reduced: cellphone data study." Available at: <https://www.cbc.ca/news/canada/toronto/covid-ont-mobility-1.5779204>

December 4, 2020

News: Medical Life Sciences

Liji Thomas. "What are the most effective COVID policies?" Available at: <https://www.news-medical.net/news/20201203/What-are-the-most-effective-COVID-policies.aspx>

December 29, 2020

MedicalResearch.com

Interview with **Anita M. McGahan**. "COVID-19: Study finds most localities do not have enough compliance to stop spread." Available at: <https://medicalresearch.com/author-interviews/covid-19-study-finds-most-localities-do-not-have-enough-compliance-to-stop-spread/56336/>

December 30, 2020

ANI, a wire service from India

"New study analyzes most effective COVID control policies." Republished in Hindustan Times, Bangalore Mirror, Businessworld, Yahoo News India and Zee News. Articles on the study also appeared on news sites in Poland on December including Niezalezna and Dziennik.

January 3, 2021

SciTechDirect

University of Toronto, Rotman School of Management. "Researchers Analyze the Most Effective COVID-19 Control Policies." Available at: <https://scitechdaily.com/researchers-analyze-the-most-effective-covid-19-control-policies/>

January 4, 2021

Global News Radio 980 CFPL in London

Devon Peacock. "Morning Show."

January 9, 2021

VeryWell

Korin Miller. “Study Shows Which COVID-19 Policies are Most Effective.” Available at: <https://www.verywellhealth.com/most-effective-covid-19-safety-policies-5094599>

January 10, 2021

The Economic Times

“Recent study discovers five policies that were highly effective to combat the coronavirus.” Available at: <https://economictimes.indiatimes.com/industry/healthcare/biotech/healthcare/recent-study-discovers-five-policies-that-were-highly-effective-to-combat-the-coronavirus/significant-social-costs/slideshow/80195995.cms>

March 10, 2021

The Financial Post

Shauna Brail, Stephan Heblich, and **Anita M. McGahan**. “The Innovation Imperative: How the pandemic has changed the urban environment where innovation thrives. City workers are likely to continue to work from home at least part-time, which has implications for innovation.” Available at: <https://financialpost.com/technology/the-innovation-imperative-how-the-pandemic-has-changed-the-urban-environment-where-innovation-thrives>

October 28, 2020

Global News Radio

Interview with **Anita M. McGahan**. “Training judges could have downfalls, How’s our distancing? & form toy making to the first recyclable masks.” Available at: <https://omny.fm/shows/kelly-cutrara/training-judges-could-have-downfalls-hows-our-dist?t=11m44s>

October 29, 2020

CBC The Current

Q&A with **Anita M. McGahan**. “How COVID-19 is fast-tracking change in some industries.” Available at: <https://www.cbc.ca/radio/thecurrent/remaking-a-living-surviving-the-covid-19-economy-a-special-edition-of-the-current-1.5781493/from-business-to-public-space-how-covid-19-could-alter-our-economy-for-good-1.5782217>

November 5, 2020

Global TV interview

Interview with **Anita M. McGahan**. “It’s been months since the COVID-19 pandemic started. How have our behaviours changed?” Available at: <https://globalnews.ca/video/7444297/its-been-months-since-the-covid-19-pandemic-started-how-have-our-behaviours-changed>

Marc-André Gagnon

June 17, 2021

Interview for *Bien Entendu*, Radio-Canada

Marc-André Gagnon. “Pourquoi le Canada n’a-t-il pas le contrôle de ses vaccins contre la COVID-19?”

Erica Di Ruggiero

February 17, 2021

Interview for TVO, The Agenda,

Di Ruggiero, E. Episode on Vaccine diplomacy. https://www.youtube.com/watch?v=zA_8JYTcPUg

May 19, 2021

Interview for TVO, The Agenda

Di Ruggiero, E. Why it is so hard to implement good
policy? <https://www.youtube.com/watch?v=YfDEBDEn0-Q>