



Recent Publications

Hayward J, **Hagtvedt R**, Ma W, Gauri A, Vester M, Holroyd BR, "Predictors of Admission in Adult Unscheduled Return Visits to the Emergency Department" *Western Journal of Emergency Medicine*, 19(6), (2018) Permalink <https://escholarship.org/uc/item/4z7463vp>

Els C, Jackson TD, Kunyk D, Lappi VG, Sonnenberg B, **Hagtvedt R**, Sharma S, Kolahdooz F, Straube S, 'Adverse Events Associated with Medium- and Long-term Use of Opioids for Chronic Non-cancer Pain: an Overview of Cochrane Reviews', *Cochrane Database of Systematic Reviews*, ISSUE 10. ART. NO.: CD012509, (2017) DOI: [10.1002/14651858.CD012509.pub2](https://doi.org/10.1002/14651858.CD012509.pub2)

Els C, Jackson TD, **Hagtvedt R**, Kunyk D, Sonnenberg B, Lappi VG, Straube S. 'High-dose Opioids for Chronic Non-cancer Pain: an Overview of Cochrane Reviews', *Cochrane Database of Systematic Reviews*, Issue 10. Art. No.: CD012299, (2017) DOI: [10.1002/14651858.CD012299.pub2](https://doi.org/10.1002/14651858.CD012299.pub2)

Reidar Hagtvedt, PhD

- Lecturer, Alberta School of Business, Department of Accounting, Operations and Information Systems, University of Alberta
- Research Affiliate, Glenrose Rehabilitation Hospital

Dr. Hagtvedt's research focus has been first and foremost on health care models at the intersection of analytics and behavioral modeling, as applied to infection control. The bulk of Dr. Hagtvedt's time has been spent on developing theory and gathering empirical support for hand-hygiene as a habitual citizenship behavior.

Secondarily, he has been working with physicians on quantitative models in healthcare, e.g. on addictions, but also on Vitamin-D deficiencies. These have been published in the Cochrane Collaboration, with the result that he became a Cochrane fellow in 2018.

Inspiration/Vision Statement:

Dr. Hagtvedt would like to combine mathematical models, empirical evidence, economic study of incentives, and newer analytics techniques to find ways to improve efficiency or effective use of scarce resources.

Clinical Implications of Research:

The policy implication of the hand hygiene research is to shift the resource allocation towards different initiatives than the traditional educational or poster-based campaigns. The work on addictions helped make the case that the policy for opioid prescriptions in Alberta had to be changed.