A flexible integer linear programming formulation for scheduling clinician on-call service in hospitals

David Landsman[a, b], Huiting Ma[*a], Jesse Knight[*a, c], Kevin Gough[d], and Sharmistha Mishra[†a, c, d, e]

[a]MAP Centre for Urban Health Solutions, St. Michael's Hospital, Unity Health Toronto, Toronto, ON, Canada
[b]Department of Computer Science, University of Toronto, Toronto, ON, Canada
[c]Institute of Medical Sciences, University of Toronto, Toronto, ON, Canada
[d]Department of Medicine, Division of Infectious Disease, St. Michael's Hospital, Unity Health Toronto, Toronto, ON, Canada
[e]Institute of Health Policy, Management and Evaluation, Dalla Lana School of Public Health, University of Toronto, Toronto, ON, Canada

*Contributed equally to this work.
†Corresponding author (sharmistha.mishra@utoronto.ca)