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System Dynamics Modeling and Simulation for Public Health

Guest Editor:

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Deadline for manuscript submissions:

31 December 2025

Message from the Guest Editor

Dear Colleagues,

System Dynamics (SD) modeling is a well-established method for addressing public health issues. This Special Issue invites the submission of papers that examine public health policy issues using stock-flow models that can simulate system behavior and test various interventions to improve health outcomes in a subject population. If possible, these models should be calibrated to real-world data; however, in all cases, they should use parameters derived from established peer-reviewed research and/or subject-matter experts. Novel methods for improving the quality of their results are welcome.

Examinations of any public health issue are acceptable. While not an exhaustive list, possible topics include the following:

- The spread and control of epidemics;
- Chronic disease;
- Cancer;
- Addiction;
- Mental health;
- Suicide prevention;
- Population health;
- Health care capacity and delivery;
- Inequality in health care



mdpi.com/si/198214

Special Issue



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Message from the Editor-in-Chief

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