



Telenor in Big Data for Social Good

Explore published research and findings on how mobility data can aid epidemic forecasting.

- Scientific Reports: "Incorporating human mobility data improves forecasts of Dengue fever in Thailand", 2021, <https://www.nature.com/articles/s41598-020-79438-0>
- EPIDEMICS: "The impact of mobility network properties on predicted epidemic dynamics in Dhaka and Bangkok", 2021, <https://doi.org/10.1016/j.epidem.2021.100441>
- Oxford Handbook of Mobile Communication, Culture, and Information: "Big Data for Social Good: The role of telecom", 2020, <https://www.oxfordhandbooks.com/view/10.1093/oxfordhb/9780190864385.001.0001/oxfordhb-9780190864385-e-20>
- Journal of the Royal Society Interface: "Time-aggregated mobile phone mobility data are sufficient for modelling influenza spread - the case of Bangladesh", 2020, <https://doi.org/10.1098/rsif.2019.0809>
- The Lancet Digital Health: "Measuring mobility to monitor travel and physical distancing interventions: a common framework for mobile phone data analysis", 2020, [https://doi.org/10.1016/S2589-7500\(20\)30193-X](https://doi.org/10.1016/S2589-7500(20)30193-X)
- eLife: "Mapping imported malaria in Bangladesh using parasite genetic and human mobility data", 2019, <https://doi.org/10.7554/eLife.43481>
- Scientific Data: "On the privacy-conscious use of mobile phone data", 2018, <https://www.nature.com/articles/sdata2018286>
- Journal of the Royal Society Interface: "Mapping poverty using mobile phone and satellite data", 2017, <http://rsif.royalsocietypublishing.org/content/14/127/20160690>
- Global Environmental Change: "Unveiling Hidden Migration and Mobility Patterns in Climate Stressed Regions: A Longitudinal Study of Six Million Anonymous Mobile Phone Users in Bangladesh", 2016, <https://doi.org/10.1016/j.gloenvcha.2016.02.002>
- Journal of Infectious Diseases: "Connecting mobility to infectious diseases: the promise and limits of mobile phone data", 2016, <https://doi.org/10.1093/infdis/jiw273>
- Telenor Report 2/2016: "Mobile phone data for public health: a data-sharing solution to protect individual privacy and national security", <http://dx.doi.org/10.13140/RG.2.1.5027.5440>
- Proceedings of the National Academy of Sciences, "Impact of human mobility on the emergence of dengue epidemics in Pakistan", 2015, <https://doi.org/10.1073/pnas.1504964112>

COVID-19 related work:

- BBC, "Coronavirus: Mobile data helps Norway track cases", 2020, <https://www.bbc.com/news/av/technology-52236559>