

A case study of mobility and dengue in Pakistan

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Abstract

Telecom operators possess huge amounts of data and knowledge that can be utilized for development purposes. While the data exists, the effort of systematically using data for socioeconomic improvement is lacking. Telenor Group is present in several markets where systematic analysis and use of such data can have significant potential. Harvard T.H. Chan School of Public Health, Telenor Research and other partners have carried out a pilot study [*Impact of human mobility on the emergence of dengue epidemics in Pakistan*](#) published in Proceedings of the National Academy of Sciences 112(38), September 2015.

In this talk we will discuss telecom data to estimate human mobility at country-wide scales, and the utilization of such data to better understand the spread of infectious diseases like dengue. This will further be complemented with insights and experiences gathered on privacy, data security, and the need to align solutions with national public health initiatives.