

SDG 3: Good Health and Well Being

1. Human Resources for Health, India

India suffers a chronic shortage of health workforce a.k.a human resources for health (HRH). We are working on understanding the magnitude of the problem, the distribution inequalities, and creating high-resolution (local) reliable projections for 2030 that help in SDG target achievement. Our group uses diverse methods such as policy analysis, systematic evidence synthesis, and geospatial machine learning modeling to tackle the problem.

2. Mapping Surgical Care Accessibility, India

Surgical care has been largely neglected in public health. However, there is no universal healthcare coverage without surgery. We are following the Lancet Commission on Global Surgery (LCoGS) indicators approach to understanding surgical care access in India. Our work is geared towards potential estimates for India's national surgical planning.

3. COVID-19

We are focusing on three distinct areas:

- a. Understanding the efficacy, ethics, and economics of the Indian lockdown,
- b. Analyzing the accessibility disparities in COVID-19 testing, care, and vaccination,
- c. Investigating the gap between policy and health system.

4. IDLi (Indian Data Library for health)

We are building a single-point data access platform for public health in India that aggregates data from a multitude of sources and makes it readily accessible for researchers and policymakers for analyses.

5. Indo-HealMap (Healthcare accessibility geo-map for India)

We are creating and validating a comprehensive geolocations database of over 500000 public and private healthcare facilities in India. This database can be useful for understanding healthcare access issues, and also to point to optimal locations for upcoming Health and Wellness Centres.

6. Mental Health

We are working on assessing the gender disparities in mental healthcare. We are also working on understanding the impact of the COVID-19 pandemic on people's mental health in India.