

SimCard - Simplified Cardiovascular management study

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Facts

- Around 17 million people die from cardiovascular disease each year, 80% are from low- and middle-income countries.
- The prevalence of hypertension is as high as 56% in herdsmen population in Yangbajing Township in Tibet Autonomous Region, China.
- Only 19.9% of the herdsmen in Yangbajing are aware of their conditions. The rates of receiving treatment and under control found in this population are just 2.6% and 0.3%.

Partners:

Tibet University and Public Health Foundation of India

National Heart, Lung, and Blood Institute, USA

Background:

- Cardiovascular disease is the leading cause of morbidity, mortality, and disability in China and India.
- Lifestyle modifications and medicine can avert much of these burdens if the practicalities of large-scale delivery in resource-poor settings can be resolved.

Aims:

- The specific aim is to evaluate the effects of implementing a simple low-cost cardiovascular management program for high-risk individuals.

Methods:

- The SimCard study in 47 villages in rural China (Tibet) and India (Haryana); with the assistance of a smartphone-based will develop, test and evaluate a highly simplified mobile phone decision support system for community healthcare workers in these resource-scarce settings.
- SimCard will strengthen the health care system with electronic decision support, use trained community healthcare workers and involve local government.



Impact:

- The study is designed to overcome inherent barriers in prevention and management of cardiovascular disease in resource-poor areas with limited economic resources, lack of public awareness and few trained healthcare professionals.
- SimCard will advance scientific knowledge and provide the necessary information to improve healthcare delivery for cardiovascular disease in resource-scarce settings.

Contact

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The George Institute For Global Health

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