High-quality longitudinal data from global communities are essential for understanding population, dynamics, the drivers of disease risk and the impact of public health interventions.

This special issue of *Global Health, Epidemiology and Genomics (GHEG)* on longitudinal population-based studies will bring together a collection of original research, perspectives, commentaries, brief reports, protocols, research resources and blog articles that explore experiences and findings from population-based longitudinal initiatives to increase understanding of population health across the lifespan and particularly in low- and middle-income countries (LMICs).

We especially invite papers that focus on the following areas:

- Innovation in health and demographic surveillance system (HDSS) data systems and methods, including integration of multiple data sources
- Clinical trials, cross-sectional and nested studies which demonstrate the usefulness of longitudinal studies
- Population and health policies
- Socio-economic disparities and their impact on disease
- Demographic and health transitions
- Maternal, child and neonatal health
- Fertility, family planning, sexual behaviour and reproductive health
- Vaccination and immunisation campaigns using longitudinal studies
- Population dynamics, migration, urbanisation and development
- Mortality, morbidity and genomic studies using longitudinal frameworks
- Population, environment, climate change and development

We will consider all articles types that address these topics and will accept submissions on a rolling basis until 31st March 2017. For a description of article types and how to submit, please refer to the instructions for contributors at [cambridge.org/gheg/ifc](http://cambridge.org/gheg/ifc).

*GHEG* is an Open Access publication. **Note that for all papers submitted to the journal on or before December 31st 2017, including to this special issue, the article processing charge will be waived.**

**About the Journal**

*GHEG* is dedicated to publishing high-quality, peer-reviewed research that increases our understanding of human health and disease worldwide through the application of population science, genomics and applied technologies. For more information about the journal, please visit [cambridge.org/gheg](http://cambridge.org/gheg).