

THE MSPGH INFORMATICS TEAM

DRIVING CONTEMPORARY POPULATION AND GLOBAL HEALTH RESEARCH

What is population health informatics?

The mission of population and global health informatics is to develop technological solutions that enable, optimise, and translate population health research. Our team's range of expertise includes:

- Cross-sectional studies, cohort studies, research registries, and research trials (e.g., RCTs).
- Large-scale participant recruitment, tracking, data collection, and data linkage.
- Bespoke, integrated software for research data capture and management, including Big Data.
- Online risk estimation and decision support tools.
- Online methods for participant and researcher engagement.
- Research project planning, grant preparation, publication development, human ethics, and general informatics consultation.

How we can help

The methods and challenges of population health research vary greatly. To overcome these challenges, we specialise in providing tailored solutions that are developed in close consultation with research groups. Whether you require a complete turn-key informatics solution to support your study, or a standalone online survey or email campaign, our team can help.

We have comprehensive experience in:

- **Study databases**, including tailored database design and subsequent data loading, quality control, querying, and reporting processes.
- **Automated data integration** and digestion processes to collate study data from multiple sources, covering a wide variety of data types and collection modes.
- **Bespoke data management systems** with researcher-friendly web-based user interfaces.
- **Online survey design** and implementation, including template design, and integration of data capture tools with data management systems.
- **Streamlined, automated workflows** to reduce the burden of manual data handling.
- **Software development** for disease risk estimation, screening, and decision support.
- **Bulk email correspondence** to engage study participants and researchers.
- **Research website development** and content management.
- **Solution hosting** using secure University supported platforms.
- **Expert technical consultation** to advise research groups on existing platforms, potential solutions, and best practice informatics.

Get in touch! Our team aims to provide robust technical solutions to challenging health research problems, and we are always happy to discuss collaboration opportunities. View our [Support Agreement](#) and contact mspgh-informatics@unimelb.edu.au to begin the conversation.