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Research Methods - Introduction

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Overview of Quantitative Research  
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Abstract. Introduction Research in the area of health has been traditionally dominated by quantitative research. However, the complexity of ill-health, which is socially constructed by individu-

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Quantitative research methods usually aim to tell you something about a population (for example, smokers or older adults) based on a representative sample selected for a study.

The capability to use mixed methods appropriately has become vital for health-related research, whether undertaken as part of postgraduate study or within the healthcare setting. This set of two integrated 10 CAT modules aim to introduce participants to mixed (qualitative and quantitative) research methodologies.

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This course focuses on quantitative methods, which are designed to precisely estimate population parameters and measure the association between biologic, social, environmental, and behavioral factors and health conditions in order to define the determinants of health and disease and, ultimately, to understand causal pathways.

Health care research is often based on quantitative methods in which, by definition, information is quantifiable. That is, the variables used in research are measured and recorded as numerical data that can be analyzed by means of statistical tools. The use of quantitative research in health care has several benefits.

Packed with practical advice and research quick tips, this book is the perfect companion to your health research project. It not only explains the theory of qualitative health research so you can interpret the studies of others, but also showcases how to approach, start, maintain, and disseminate your own research.

Quantitative Methods for Health Research is a practical, interactive course in epidemiology and statistics, designed to achieve a level of knowledge and skills appropriate to a masters in health sciences, public health or related fields. It is based on around ten years of experience with postgraduate teaching on the MPH programme at the University of Liverpool, UK.

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01 Introduction to health research

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