

PhD Course

Measuring quality of care using administrative data

Block course:

17.09.2018: 9:00 am – 05:00 pm

18.09.2018: 9:00 am – 05:00 pm

19.09.2018: 9:00 am – 05:00 pm

Classroom: 4029, Esplanade 36

Course Instructor: Prof. Dr. Jonas Schreyögg, Prof. Gary Young, Prof. Dr. Eva Oppel

Course Value: 5 ECTS

Course Overview:

This course is designed to help participants build and extend their understanding of measuring quality of care using administrative data. Through discussions and analyses of current conceptual and methodological developments in the quality measurement discipline and some of its main reference disciplines, participants will advance their skills of reflecting different approaches in measuring quality of care. In terms of teaching formats, the course will be using a mixture of formats and approaches – from traditional lectures to interactive seminar sessions.

Course Contents:

Module A: Measuring quality of care using administrative data: Basics, Concepts and Applications from Germany

- Aims and overview application areas
- Different kinds of administrative data produced by health care systems (e.g. hospital/ outpatient utilization data, cost data, payer/insurance data)
- Comparison of the use of administrative data to the use of clinical data and registries
- Basics in handling administrative data (cleaning, plausibility checks, risk-adjustment, representativeness)
- Measuring Quality in Integrated Care Programs – conceptual approaches and potential pitfalls
- Case Study – Evaluating the Integrated Care program “INVEST Billstedt Horn”

Module B: Measurement and Evaluation of Quality for Healthcare Providers: Concepts and Applications from the U.S.

This module will focus on approaches toward and applications of quality measurement in the U.S. The program comprises two components. In one component a conceptual framework will be presented for classifying the different types of quality measures used in the U.S. and for understanding their relative advantages and limitations. Specific examples of quality measures will be presented including those from well-established measurement sets that have been developed in the U.S. from private-sector organizations and government agencies (e.g., HEDIS – The Healthcare Effectiveness Data and Information Set). We will discuss the key criteria that are typically used in the U.S. and elsewhere for evaluating the scientific credibility of quality measures and their potential utility. The other component will focus on applications of quality measures for improving provider performance. The discussion will focus on pay-for-performance and public reporting strategies and how these strategies have been implemented in the U.S. and their impact on quality improvement. Course participants will also engage in team-oriented exercises to reinforce the conceptual material presented. Specific topics include the following.

Component 1: Quality Measurement: Conceptual and Scientific Issues

- Types and examples of quality measures used in the U.S. and related data sources.
- Conceptual advantages/limitations of different types of quality measures including ongoing debate in the U.S. regarding process vs. outcome measures.
- Scientific issues for selecting and using performance measures including the role of U.S. government and private-sector organizations (e.g., National Quality forum) for developing/endorsing measures.
- Recent measurement developments for supporting population health initiatives and new types of delivery organizations such as accountable care organizations. Also, developments regarding the construction and use of composite measures for quality.

Component 2: Applications of Quality Measurement for Improving Provider Performance

- Description of pay-for-performance and public reporting initiatives including related theoretical considerations.
- Implementation design issues for pay-for-performance.
- Examples of pay-for-performance programs including scoring systems.

Prerequisites: Students need to bring their own laptop to class.

Assessment: Students will have to complete a take-home assignment analyzing and discussing a research paper. The topic of the research paper will be related to the subject of the course. The paper and questions will be announced in the course.

Teaching language: English