NEW DIRECTIONS IN DEFINING AND MEASURING THE QUALITY OF HEALTH CARE

Aim:
- Developing set of quality criteria capturing different perspectives, such as patient satisfaction, provider satisfaction, social care costs and population health
- Understanding the drivers of quality of health care

Methods:
- Mixed-methods design (literature review, choice experiment, MCDA, synthesis and validation with stakeholders)
- Empirical analysis of the drivers of quality of health care using (interpretable) machine learning utilizing administrative data (CAHPS, etc.)

Contribution
- Multi-dimensional/multi-perspective measurement of quality of care
- Accounting for changes in med-tech progress, patient preferences and care provider experience in measuring quality of care
- Discovery of drivers of health care quality in high-dimensional and complex data sets with novel methods, with focus on quantification of the involved uncertainty

Pls and interdisciplinary integration
- Expertise in mixed-methods design and measuring quality of health
- Expertise in measurement of quality of life and health care
- Expertise in machine learning
- Expertise in choice experiments and empirical analysis

Potential dissertation topics:
- Who should define quality of care? A multiple-criteria decision analysis (MCDA) approach to defining and measuring quality of health care from multiple perspectives
- Predicting quality of care with machine learning techniques - an interpretable ML approach

Potential dissertation topics: