04/08/2023

PRIVACY STATEMENT

This process-specific privacy statement is part of Tilburg University's general privacy statement. Here you will find more information about the organization, what standards of care our organization applies and what rights you have as a data subject, among other things.

Title: Risk adjustment (equalization): Revisiting patient risk groups and predicting healthcare costs

Description: The PhD thesis aims to improve the risk adjustment model in the Dutch health care system by investigating homogeneous groups of policyholders, independent of pre-defined risk classes, such as those characterized by chronic diseases and/or those identified using machine learning techniques. The research will provide new insights into under- and overcompensated groups, leading to better risk adjustment and more accurate compensation per morbidity feature. The study will also evaluate a risk adjustment model based on 'more homogenous groups', comparing it with the current model to assess its performance and potential for improving estimation adequacy. Finally, the research will explore the incentives for efficiency in a risk equalization model centered around homogenous groups, such as chronic diseases, focusing on cost-containment and appropriate health care services for different groups. The ultimate goal is to develop a more targeted, efficient, and cost-effective health care system.

Process: Scientific Research

Legal Base: Public interest

Origin of the data: Existing Private Third Party Dataset from the Ministry of Health, Welfare and Sport.

Description of data subjects: All health-insured persons in the Netherlands.

Type(s) of data:

- Personal data: Gender (categories M/F), Age (categories), Social Economic Status (SES: 4 categories), Source of Income code (AvI: 7 categories (details)), People Per Address (PPA), Region (10 categories).
- Special personal data: Medical data

Safeguards

Transparency: We aim to inform the data subjects through this Privacy Statement.

Technical security: Tilburg University uses safe applications/methods. The data will be received double encrypted and shall be analyzed in a secure SURF Research Cloud. There will be limited access to the specific storage location in the SURF Research Cloud, meaning that only the principal investigator and the supervisor will be authorized to access this location. Folders within the secured research environment will be encrypted.

Organizational security: the Institutional Review Board of TiSEM has given approval to the research proposal (FUL 2023-004). A Processor agreement with the Ministry of Health, Welfare and Sport has been reached. The data will be received pseudonymized without access to the identifying file.

Sharing with third parties: The data will not be shared with third parties.

Retention period**:** The data is deleted upon completing the research project.

Questions about this research

- Email: [r.h.wagenaar[at]tilburguniversity[dot]edu].