I would like to book a place in the 5-Day Program in Effectiveness and Safety Research with Healthcare Databases.

Please, be aware that the course is limited to 50 participants on a first come, first serve basis.

The following program charges apply*
- Professionals: EUR 1.250
- Students: EUR 300**
- LMU/TUM students: EUR 50

* Cancellation of registration: In the event of a cancellation, we charge a cancellation fee of 50 EUR. In case of cancellation from 14 days before the event, we charge the full amount.
**Please provide proof of your student status.

Registration form online.

First name
Last name
TItle
Institution
Invoice address
Email

For questions, please send an email to esr-school@med.uni-muenchen.de

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Munich Center *of* Pharmacoepidemiology

5-Day Program in Effectiveness & Safety Research with Healthcare Databases

Munich, March 23-27, 2026

Prof. Sebastian Schneeweiss (Course Director)
Prof. Tobias Dreischulte (Course Co-Director)
Dr. Nils Krüger (Co-Instructor)

LMU LUDWIG-MAXIMILIANS-UNIVERSITÄT MÜNCHEN

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5-Day Program in Effectiveness & Safety Research with Healthcare Databases

What is the aim of the course?
Large longitudinal healthcare databases have become important tools for studying the clinical effectiveness of medical products and interventions in a wide variety of care settings and for evaluating the impact of clinical programs or policy changes. This course will prepare students to design, implement, execute, and discuss studies on causal treatment effects using healthcare databases. Strengths and limitations of large longitudinal healthcare databases that are commonly used for comparative effectiveness research will be considered.

What is the aim of the course?
The course is targeting trainees/investigators who recently started analyzing longitudinal healthcare data or are planning to do so. We specifically focus on comparative effectiveness research and will not cover data visualization, descriptive analyses or prediction. The course centers around student projects of an analyses of some medical product outcome pair and we therefore expect working knowledge of epidemiology study designs for causal inference and the typical statistical analysis methods in non-randomized settings. The software package is in its logic, terminology, and workflows aligned with our didactics of teaching causal study design concepts and we assume that most students will use a variety of software products after completing the course.

Where and when does the program take place?
The course is a five-day intensive full-time course and will take place in the center of Munich (in presence) from March 23-27, 2026 (8:30-17:00).

Which preliminary skills are required?
The course does not require specific programing skills. It is focused on analytic principles and their application to database research rather than mathematical details. It requires an understanding of epidemiologic study designs and typical analysis strategies.

What will I learn and how?
The centerpiece of the course is a student project resulting in a study protocol and a full pilot analysis. Each morning includes lectures with discussions. In the afternoons students will convene in the Evidence Lab with faculty and teaching assistants to work in small groups with a large longitudinal claims database of 31 million commercially insured patients and with an easy-to-use statistical software to develop inclusion and exclusion criteria, compare population descriptives, implement follow-up models and risk-adjustment methodologies resulting in multivariate adjusted effect estimates. Practical issues in obtaining, linking, and analyzing large databases will be emphasized throughout the course, and key analytic issues will be addressed, including design considerations and multivariate risk-adjustment.

What will I get out of this?
Upon completion, students will receive a certificate and those enrolled in an LMU graduate degree program will receive 3 ECTs.