



## **Master Topic: Geographic analysis of access to health care in Switzerland**

### **Short description**

Large variation in healthcare service utilization is frequently found across healthcare providers and geographic areas. However, the persistence of such variation can only partly be explained by variation in the needs for health care in the population. This unwarranted variation may be due to multiple factors, including availability and accessibility of physicians and healthcare facilities and also patient socio-demographics and clinical characteristics.

—> Your task is to analyze the utilization of emergency departments of three children's hospitals in French, Italian, and German-speaking Switzerland during the COVID-19 pandemic at the zip code level.

This is a cooperatively managed project in which you will be jointly supervised by the University Children's Hospital Zurich (USZ Kispi), the Geographic Information Visualization and Analysis lab (GIVA), and the Geographic Information Systems Lab (GIS) at UZH Department of Geography.

### **Requirements**

You are interested in the study of access to health care, geographic information visualization, and/or spatial modelling approaches. Skills in quantitative spatial data analysis and programming are required and cartographic design skills are an advantage.

### **Language**

Thesis can be written in German or in English.

### **Contact**

If you are interested, please contact:

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