

## Research Area 2

### **Addressing diversity of environmental, behavioral and social factors that influence mental health risk and outcomes**

We have developed new interdisciplinary approaches, including ecological momentary assessments and sensor-based technology to measure the impact of diverse physical, cultural, behavioral and social factors on mental health. These factors include urbanicity, poverty, social isolation and discrimination. In the healthcare region Berlin-Brandenburg, characterized by rural depopulation, urbanization, migration and demographic challenges, we investigated determinants of mental illness to improve patient care (Rapp et al., 2015; Gruebner et al., 2017). On a global level, we have developed novel methods and technologies, including remote sensing satellite measurements, to identify shared and unique environmental and behavioral determinants of mental illness in different geographic locations and cultures (Schumann et al., 2019).

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