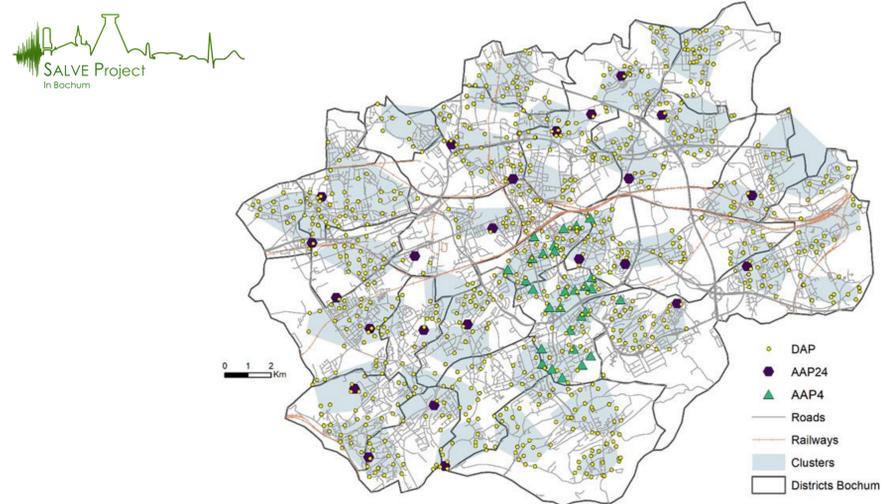
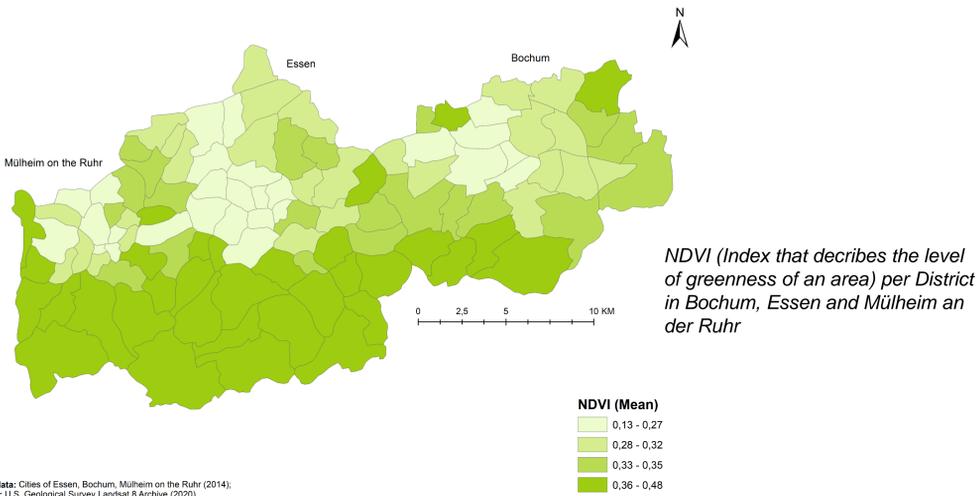


Healthy and sustainable cities: An Urban Public Health Approach – The Institute for Urban Public Health (I)

Skodra, Julita; Haselhoff, Timo; Hillal, Ellen; Hornberg, Jonas; Schmiege, Dennis; Schröder, Judith; Werner, Lilia; Moebus, Susanne
Institute for Urban Public Health (InUPH), Universitätsklinikum Essen, Germany



Map of all recording points of the SALVE study in Bochum. DAP stands for walkthrough recordings. AAP24 describes permanently installed recording devices. AAP4 are recording devices, which are differently located every 6 weeks.

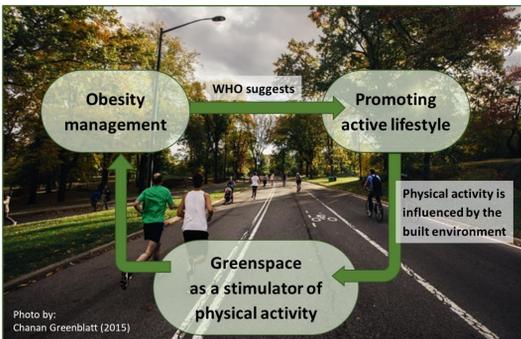


Permanently installed recording device AAP

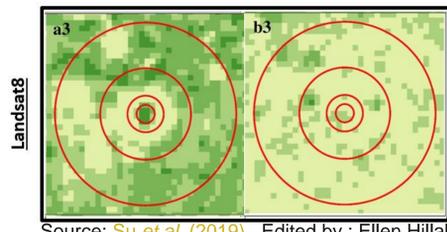


Researcher of the SALVE Project recording sound with the walkthrough recording device DAP

Greenspace Influence on Obesity



NDVI surfaces in different buffer sizes for two neighbourhoods with high (a3) and intermediate (b3) vegetation cover. Spatial Resolution 30*30m

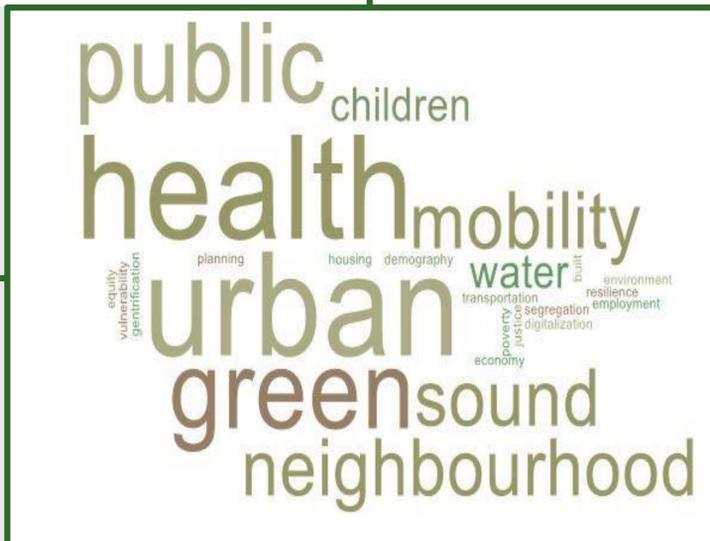


Nature-Based Solutions for Healthy and Sustainable Urban Regeneration

By using data from the longitudinal Heinz Nixdorf Recall (HNR) cohort study InUPH explores the effects of different exposures to spatial characteristics of the urban environment (i.e. greenness) on different health outcomes.

Capabilities in neighborhoods - Children's access to independent mobility

focuses on the influence of street network and urban design on children's mobility and their use and evaluation of spaces in the city with an aim to identify opportunities and barriers for a health-promoting city for children.



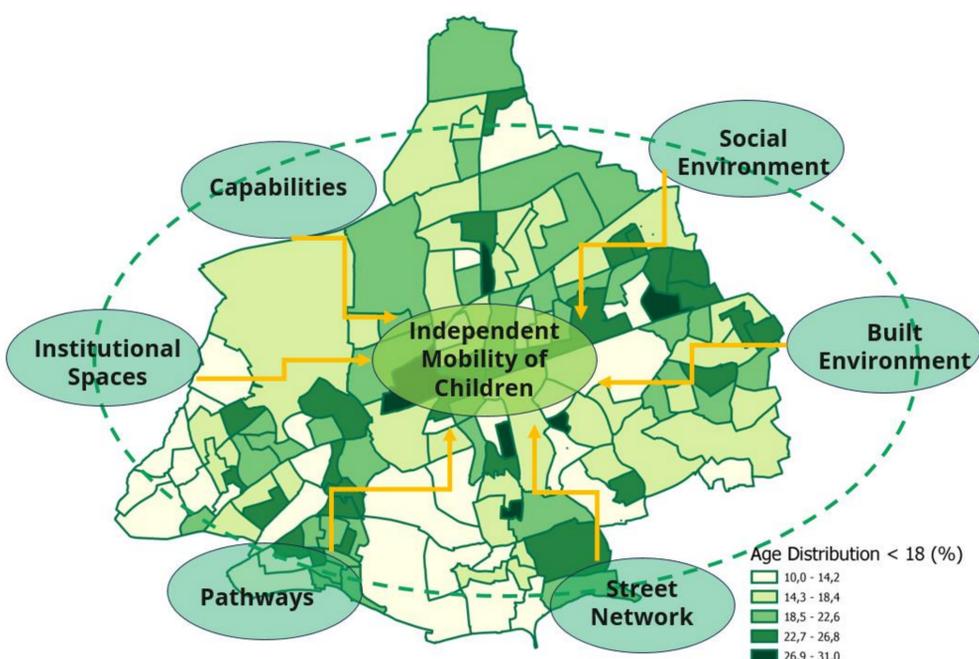
Acoustic Quality and Health in Urban Environments project (SALVE)

analyses sound data that represents the complex urban acoustic environment, e.g. during the COVID-19 pandemic as well as the whole frequency spectrum of the urban acoustic environment beyond noise.

Urban water flows - the case of SARS-CoV-2 detection

expands the Water, Sanitation and Hygiene concept in an interdisciplinary and systemic approach and develops methods for the assessment of innovative solutions for urban water flows in relation to environmental equity, urban health and sustainability.

Age distribution under 18 in northern Essen and influencing factors on children's independent mobility



Pumping Station and wastewater pipes



A total of 24 areas in the north of Essen considered for sampling



Weekly wastewater sampling and analysis of abundance and virus variants of SARS-CoV-2 RNA over several weeks

Weekly wastewater sampling and analysis of abundance and virus variants of SARS-CoV-2 RNA over several weeks