

# Spatial Policy and Analysis Laboratory




## *Visualising regional inequalities*

**Professor Cecilia Wong & Dr. Helen Wei Zheng**  
**Department of Planning, Property & Environmental Management**  
**Manchester Urban Institute**  
**The University of Manchester**

 [www.mui.manchester.ac.uk/spal](http://www.mui.manchester.ac.uk/spal)

 [mui@manchester.ac.uk](mailto:mui@manchester.ac.uk)

 @UoM\_Spal @UoMUrban

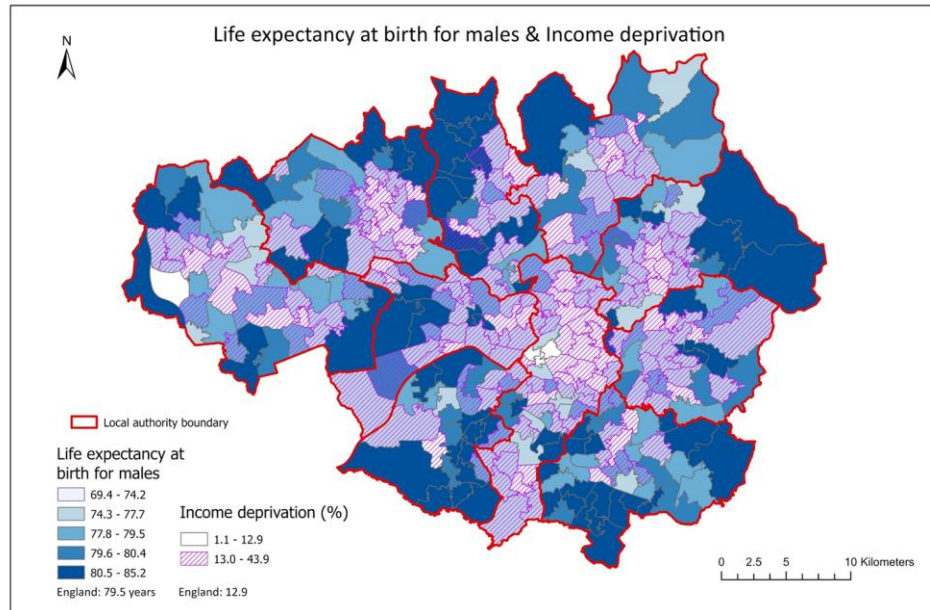


Where the Story  
begins? .....

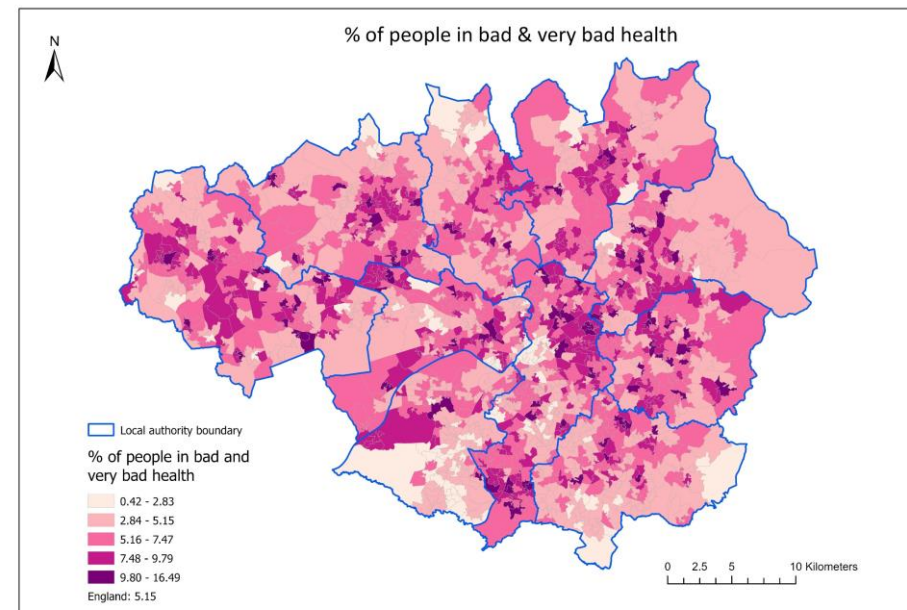
# General health



# Tackling the Root causes Upstream of Unhealthy Urban Development (TRUUD) funded by the UKPRP



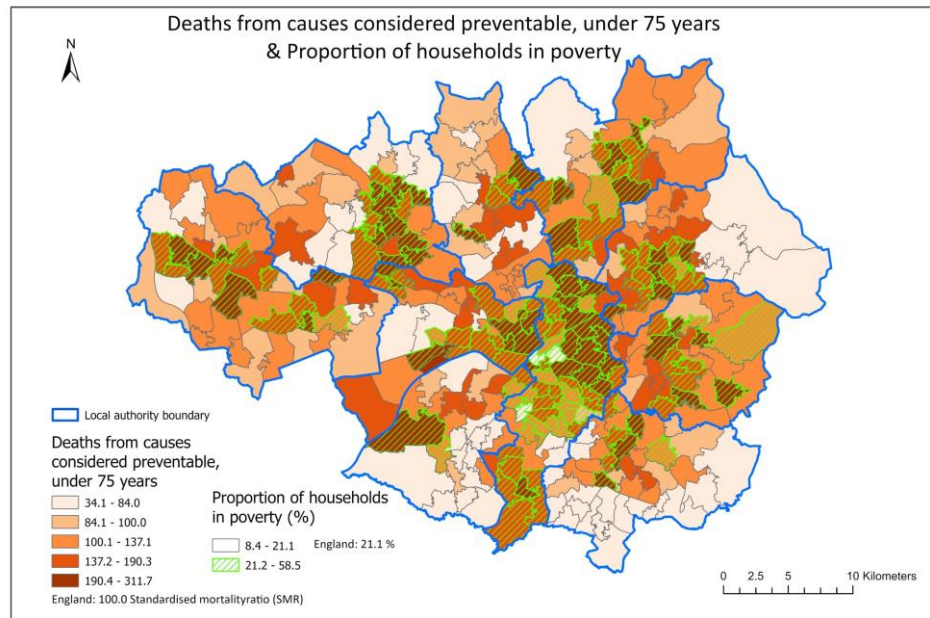
© Spatial Policy and Analysis Laboratory, Manchester Urban Institute, The University of Manchester.  
Contains OS & Office for Health Improvement & Disparities data © Crown copyright and database right 2022



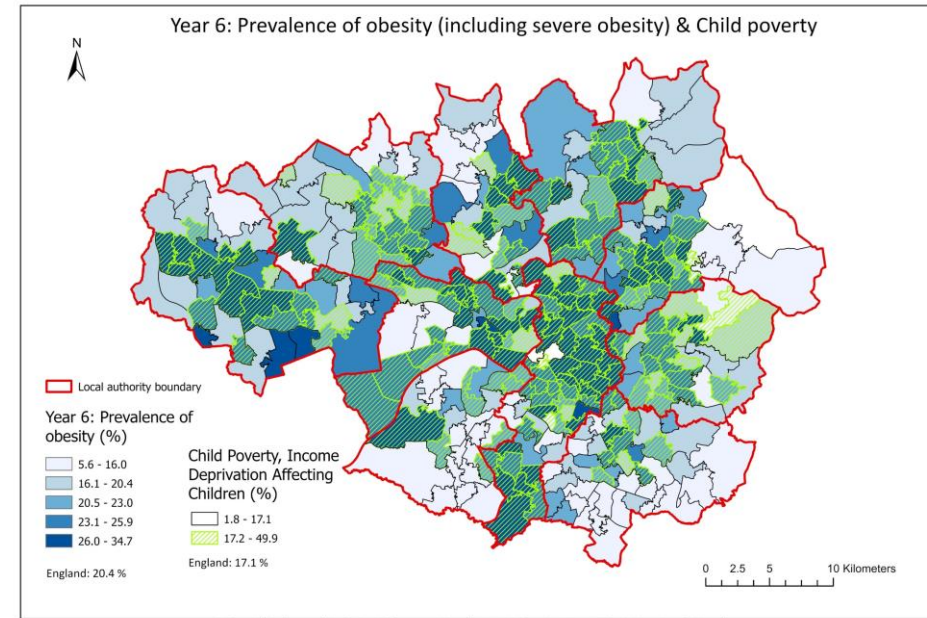
© Spatial Policy and Analysis Laboratory, Manchester Urban Institute, The University of Manchester.  
Contains OS & ONS census 2021 data © Crown copyright and database right 2023



## Tackling the Root causes Upstream of Unhealthy Urban Development (TRUUD) funded by the UKPRP

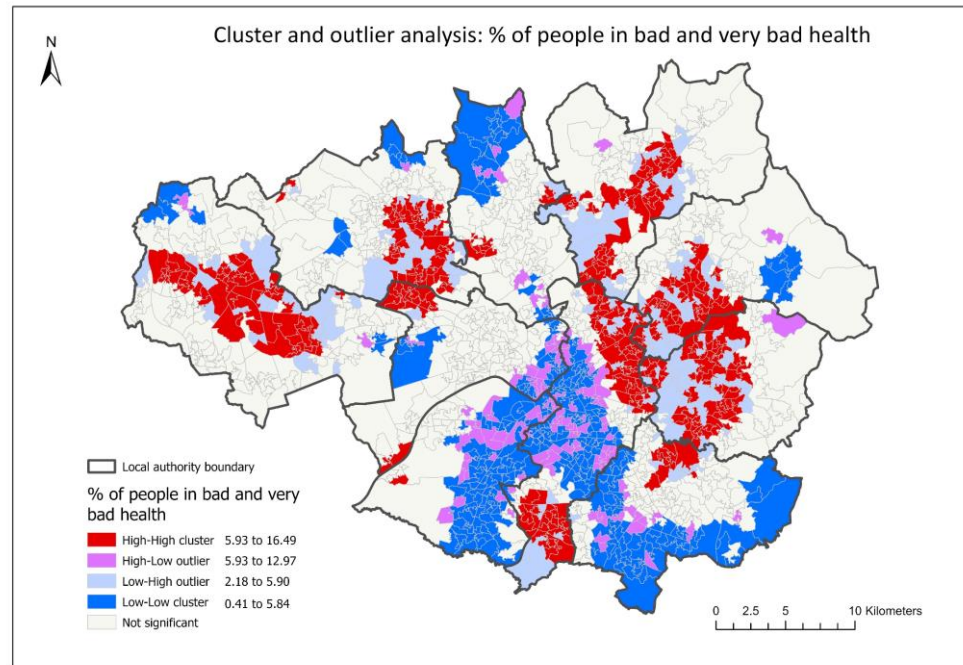


© Spatial Policy and Analysis Laboratory, Manchester Urban Institute, The University of Manchester.  
Contains OS & Office for Health Improvement & Disparities data © Crown copyright and database right 2023



© Spatial Policy and Analysis Laboratory, Manchester Urban Institute, The University of Manchester.  
Contains OS & Office for Health Improvement & Disparities data © Crown copyright and database right 2023

## *Tackling the Root causes Upstream of Unhealthy Urban Development (TRUUD) funded by the UKPRP*

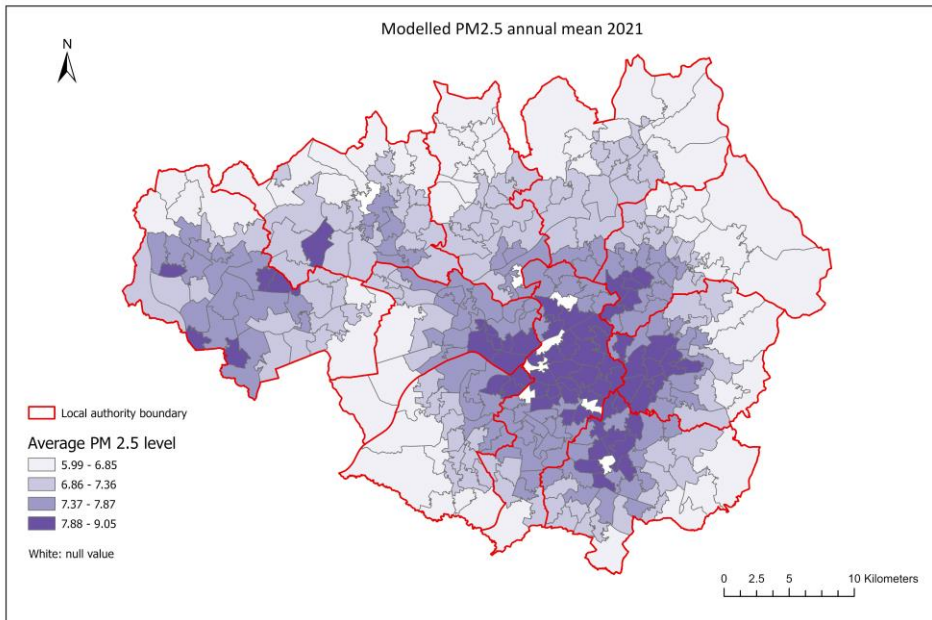


© Spatial Policy and Analysis Laboratory, Manchester Urban Institute, The University of Manchester.  
Contains OS & ONS census 2021 data © Crown copyright and database right 2023

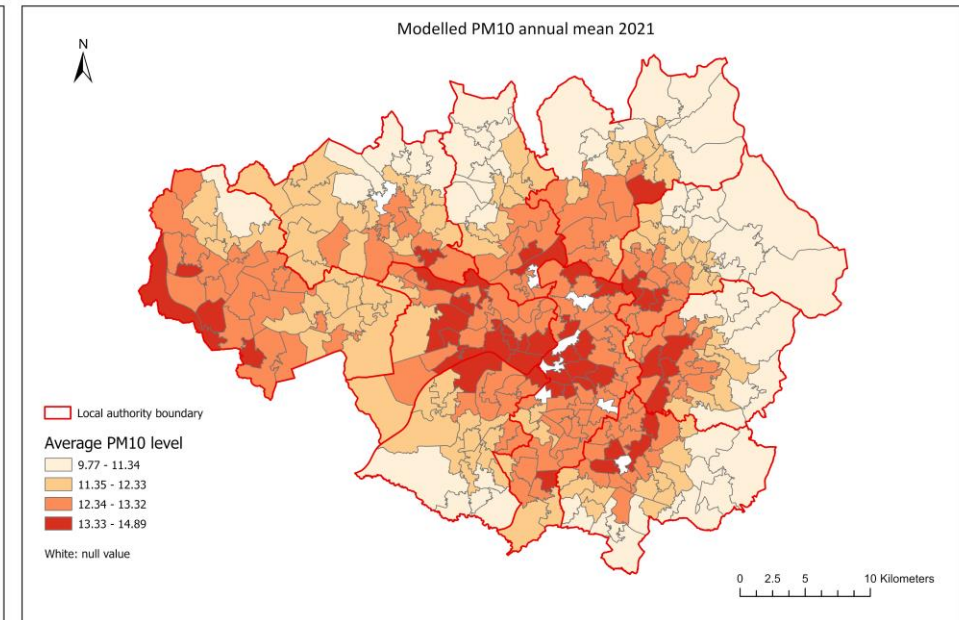




## *Tackling the Root causes Upstream of Unhealthy Urban Development (TRUUD) funded by the UKPRP*



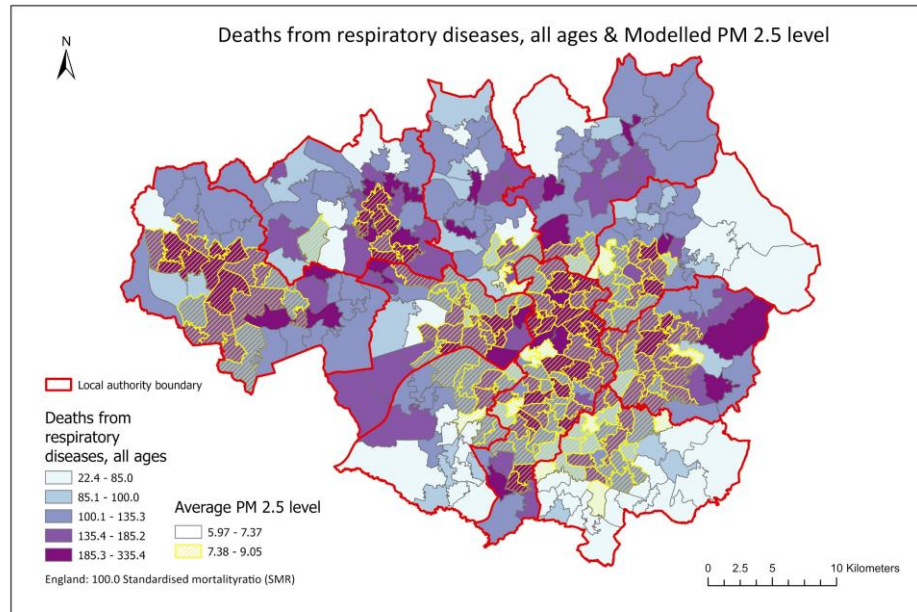
© Spatial Policy and Analysis Laboratory, Manchester Urban Institute, The University of Manchester.  
Contains OS, TIGM & Defra data © Crown copyright and database right 2023



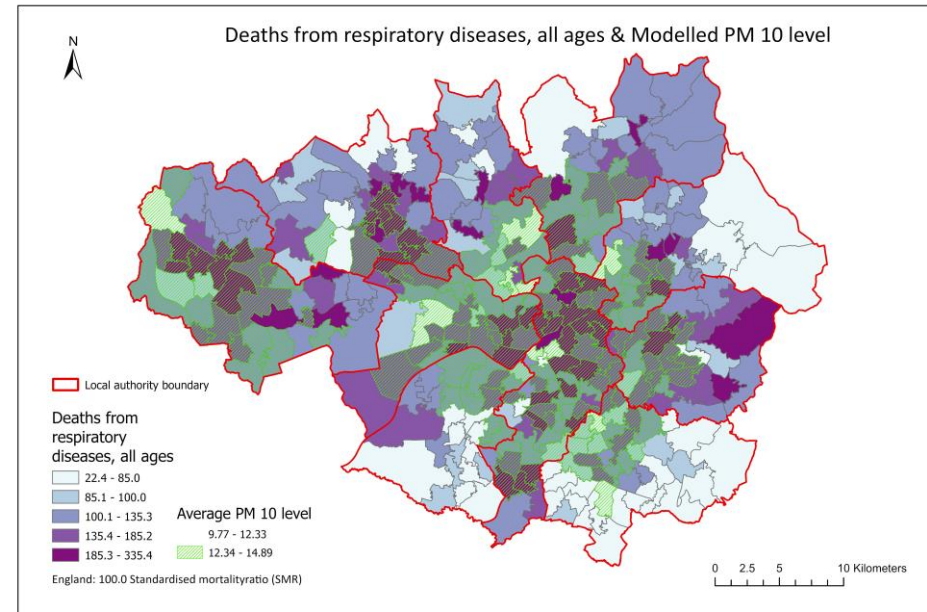
© Spatial Policy and Analysis Laboratory, Manchester Urban Institute, The University of Manchester.  
Contains OS, TIGM & Defra data © Crown copyright and database right 2023



## *Tackling the Root causes Upstream of Unhealthy Urban Development (TRUUD) funded by the UKPRP*

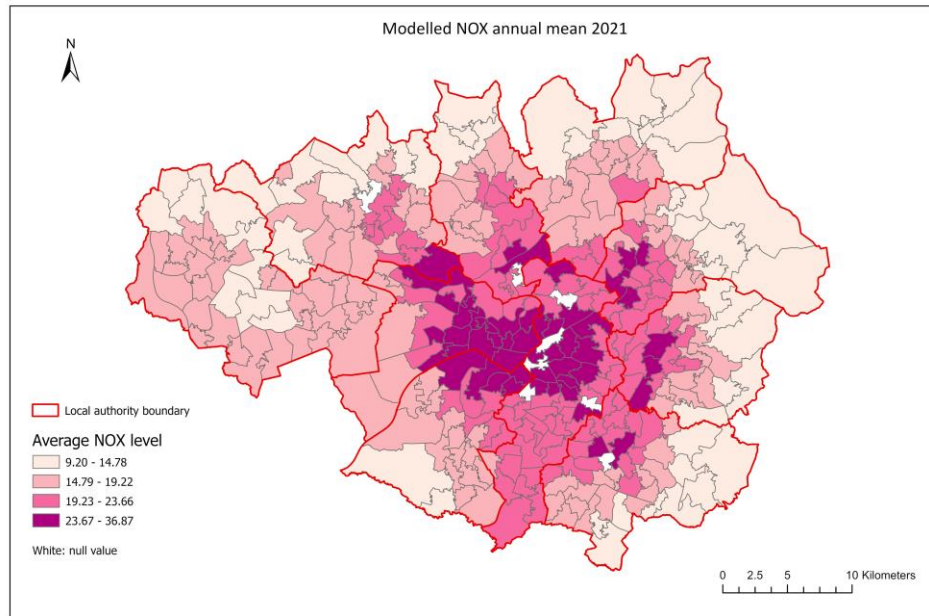


© Spatial Policy and Analysis Laboratory, Manchester Urban Institute, The University of Manchester.  
Contains OS & Defra & Office for Health Improvement & Disparities data © Crown copyright and database right 2022

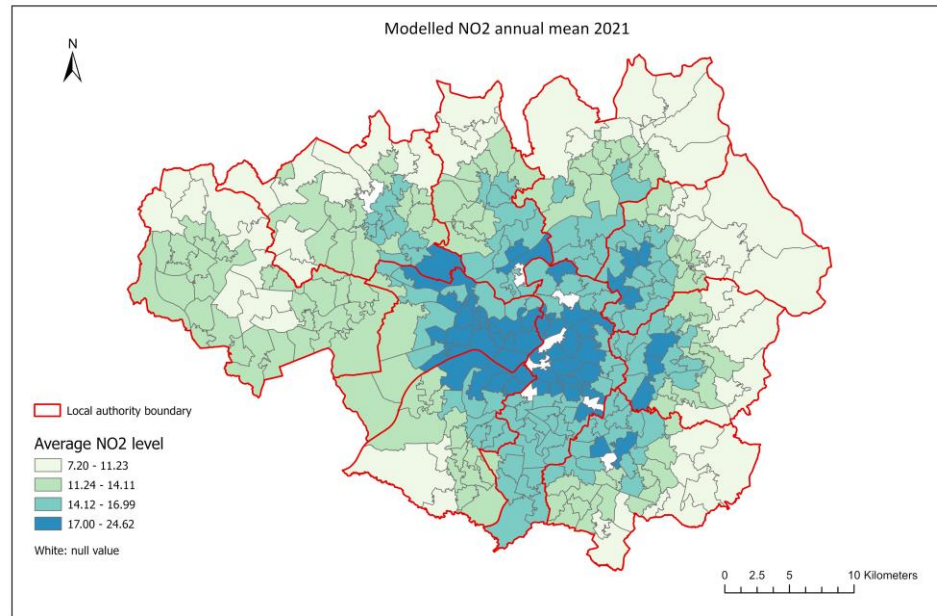


© Spatial Policy and Analysis Laboratory, Manchester Urban Institute, The University of Manchester.  
Contains OS & Defra & Office for Health Improvement & Disparities data © Crown copyright and database right 2023

## *Tackling the Root causes Upstream of Unhealthy Urban Development (TRUUD) funded by the UKPRP*

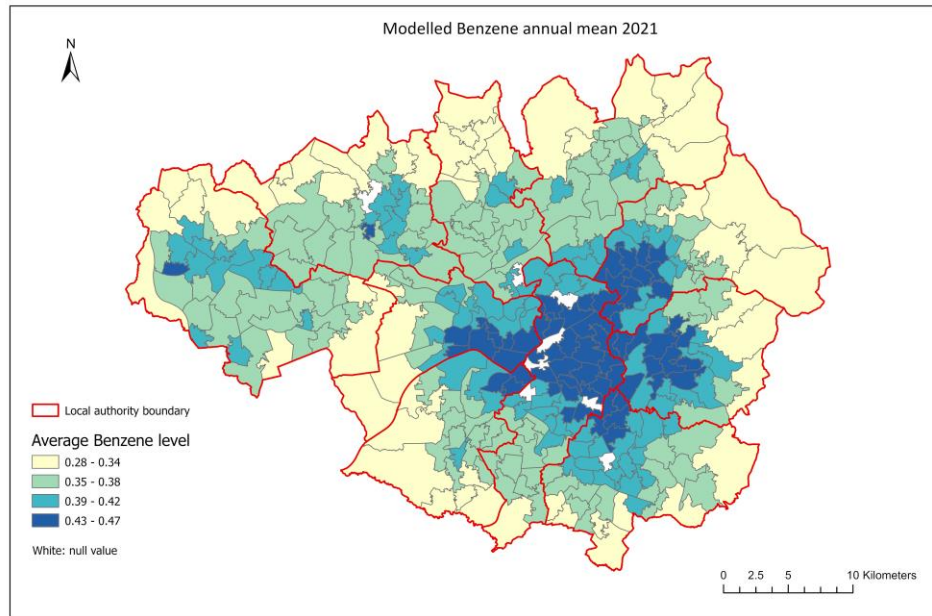


© Spatial Policy and Analysis Laboratory, Manchester Urban Institute, The University of Manchester.  
Contains OS, TFGM & Defra data © Crown copyright and database right 2023

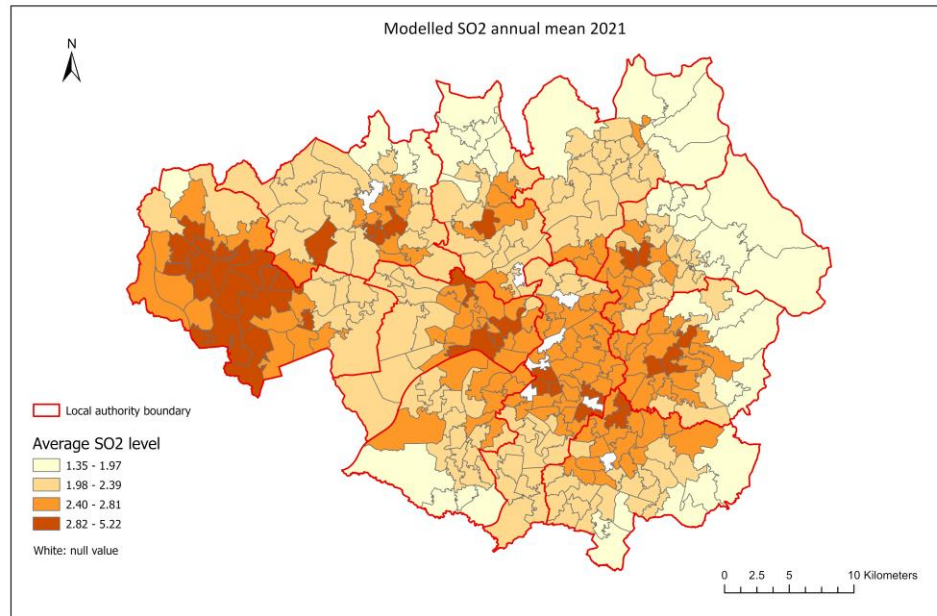


© Spatial Policy and Analysis Laboratory, Manchester Urban Institute, The University of Manchester.  
Contains OS, TFGM & Defra data © Crown copyright and database right 2023

## *Tackling the Root causes Upstream of Unhealthy Urban Development (TRUUD) funded by the UKPRP*



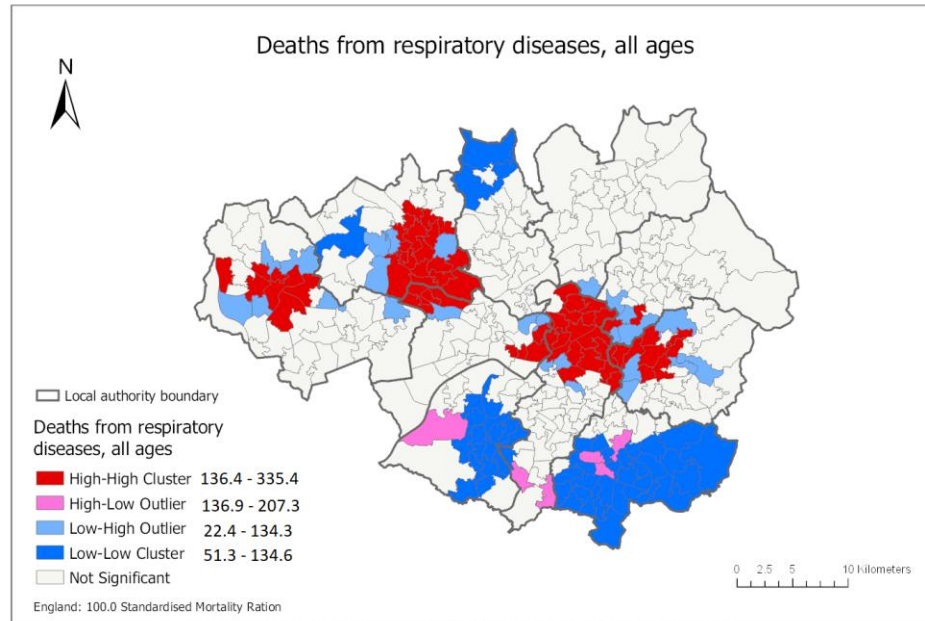
© Spatial Policy and Analysis Laboratory, Manchester Urban Institute, The University of Manchester.  
Contains OS, TfGM & Defra data © Crown copyright and database right 2023



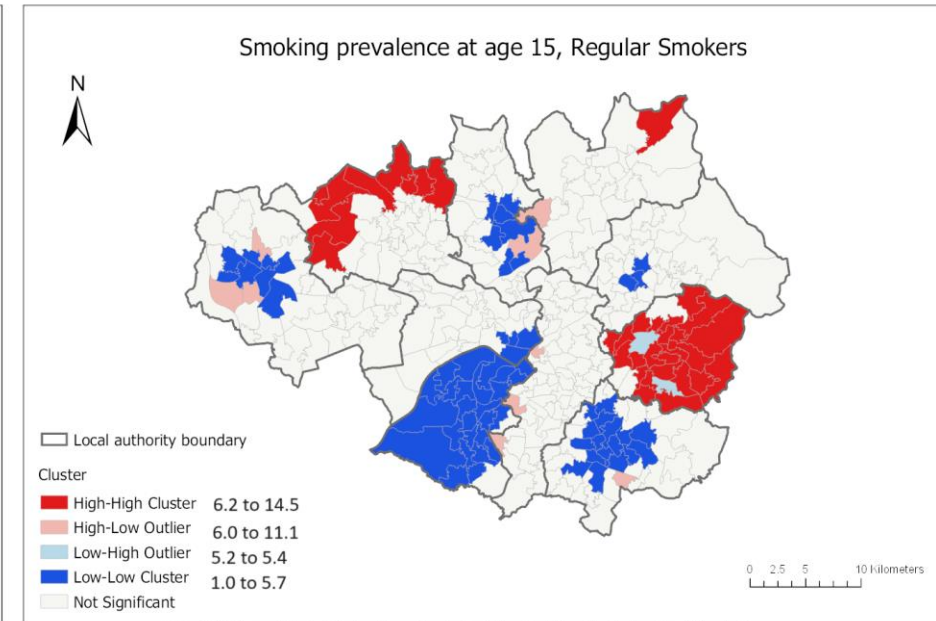
© Spatial Policy and Analysis Laboratory, Manchester Urban Institute, The University of Manchester.  
Contains OS, TfGM & Defra data © Crown copyright and database right 2023



## *Tackling the Root causes Upstream of Unhealthy Urban Development (TRUUD) funded by the UKPRP*



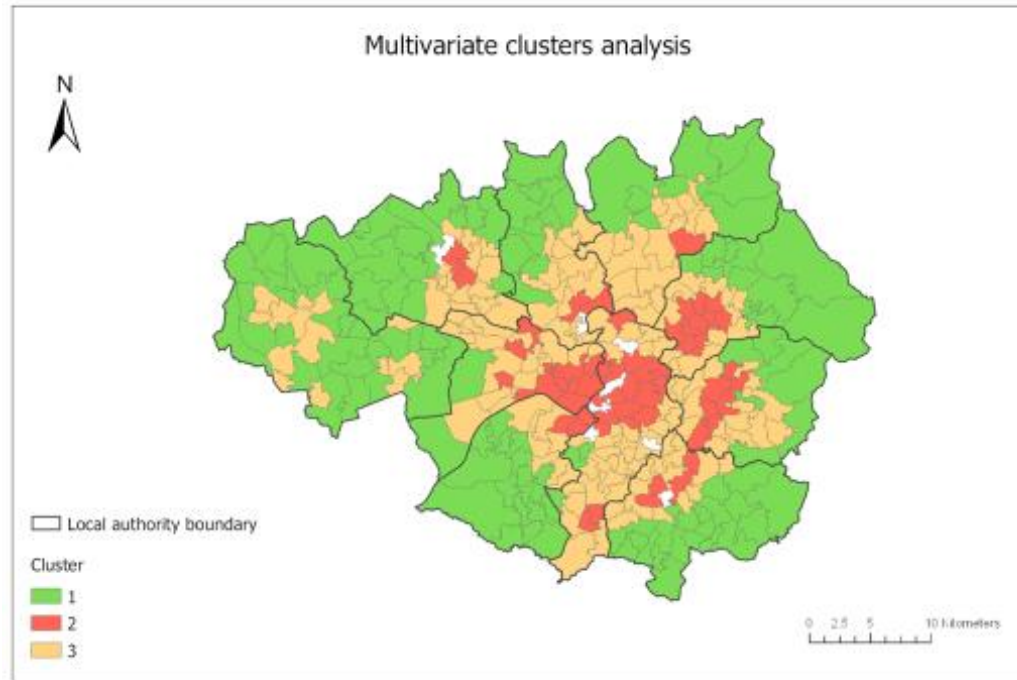
© Spatial Policy and Analysis Laboratory, Manchester Urban Institute, The University of Manchester.  
Contains OS & Office for Health Improvement and Disparities data © Crown copyright and database right 2023



© Spatial Policy and Analysis Laboratory, Manchester Urban Institute, The University of Manchester.  
Contains OS & Office for Health Improvement and Disparities data © Crown copyright and database right 2023



## *Tackling the Root causes Upstream of Unhealthy Urban Development (TRUUD) funded by the UKPRP*



© Spatial Policy and Analysis Laboratory, Manchester Urban Institute, The University of Manchester.  
Contains OS & Defra & Office for Health Improvement and Disparities data © Crown copyright and database right 2023



**V1: Deaths from respiratory disease**

**V2: Income deprivation**

**V3: Average Benzene level**

**V4: Average NO<sub>2</sub> level**

**V5: Average NO<sub>x</sub> level**

**V6: Average PM 10 level**

**V7: Average PM 2.5 level**

**V8: Average SO<sub>2</sub> level**

**V9: Proportion of household in poverty**

**Thank you for listening**

