

# Urban greenspace: values, health and equity

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# Outline

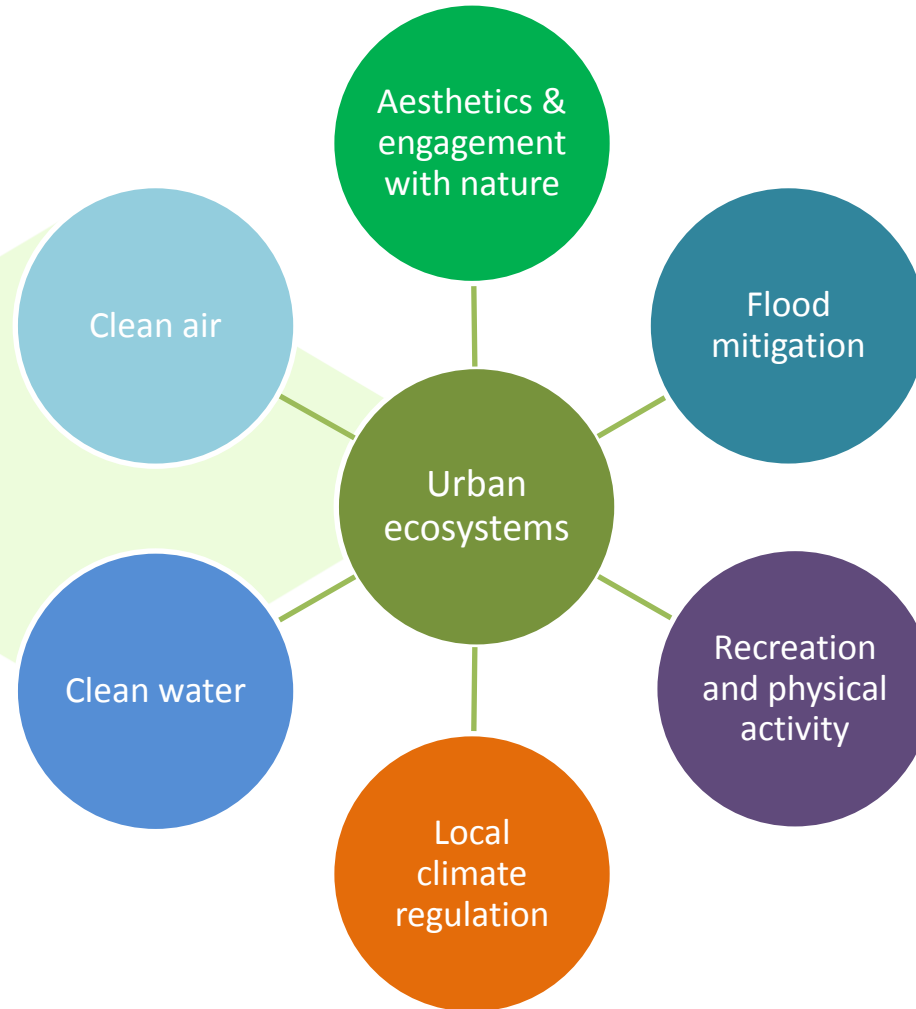
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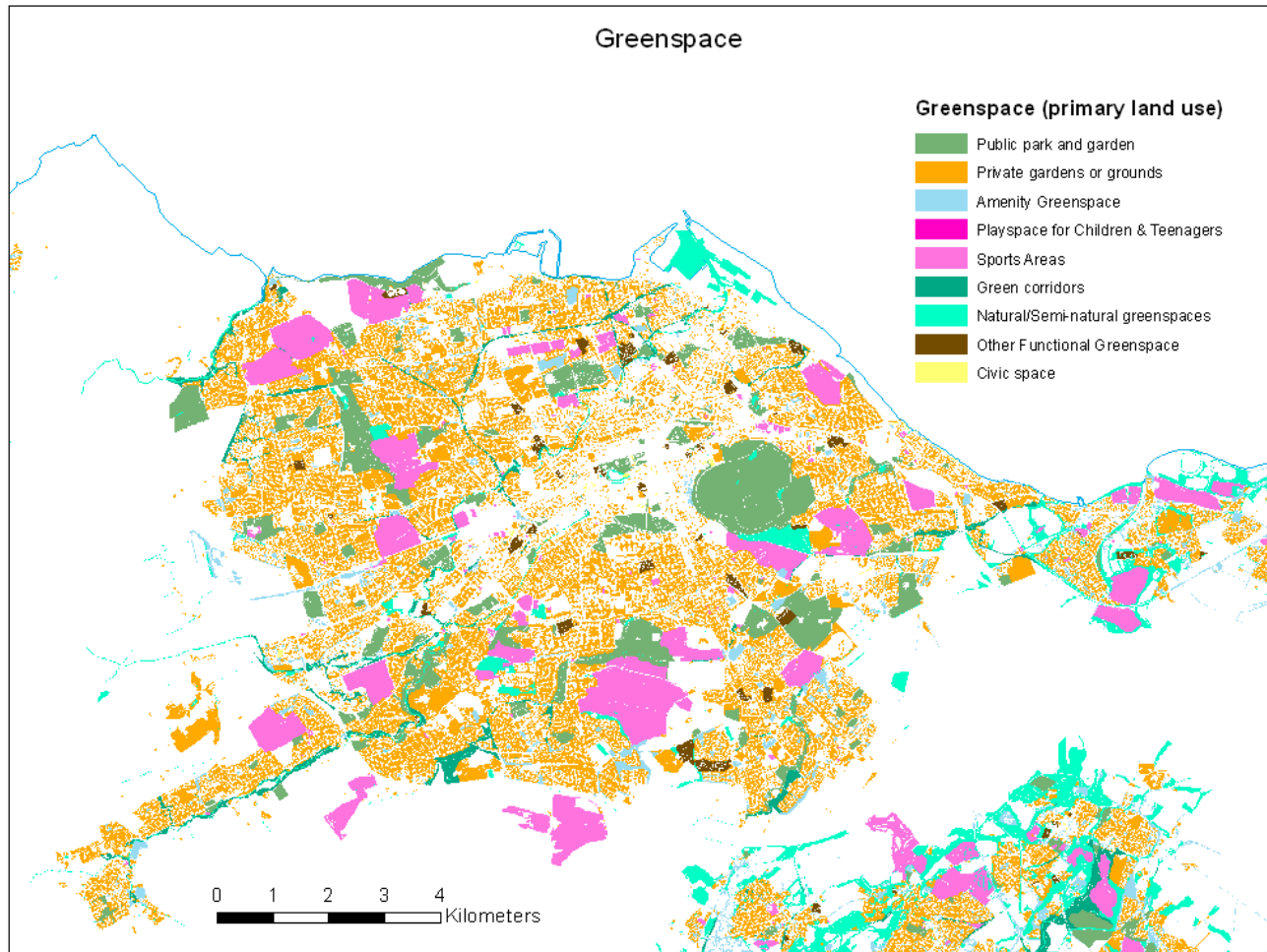
- Rationale
- Urban ecosystem services
- Urban greenspace data
- Economic and health data
- Economic values for greenspace
- Next steps

- Why urban?
- What values?
  - Is greenspace reflected in property prices?
  - Growing evidence on the impacts of greenspace on health – physical and mental
  - Links between ecosystem services and health are also being explored
  - Are there issues of equity in greenspace provision and health outcomes?
  - Can linking these to wider provision of ecosystem services drive decision making?

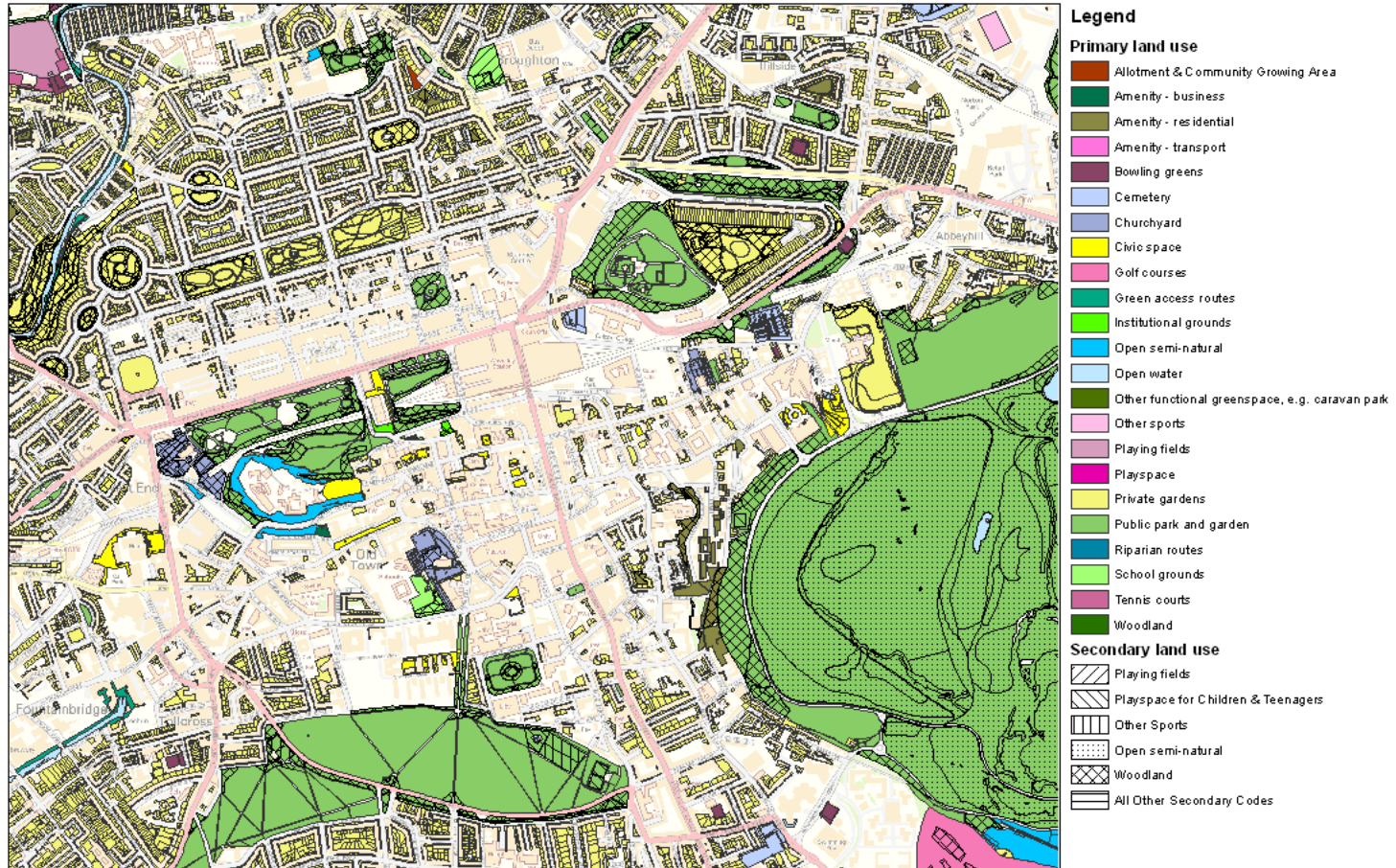
# Urban ecosystem services



# Greenspace in Edinburgh



# Greenspace in Edinburgh

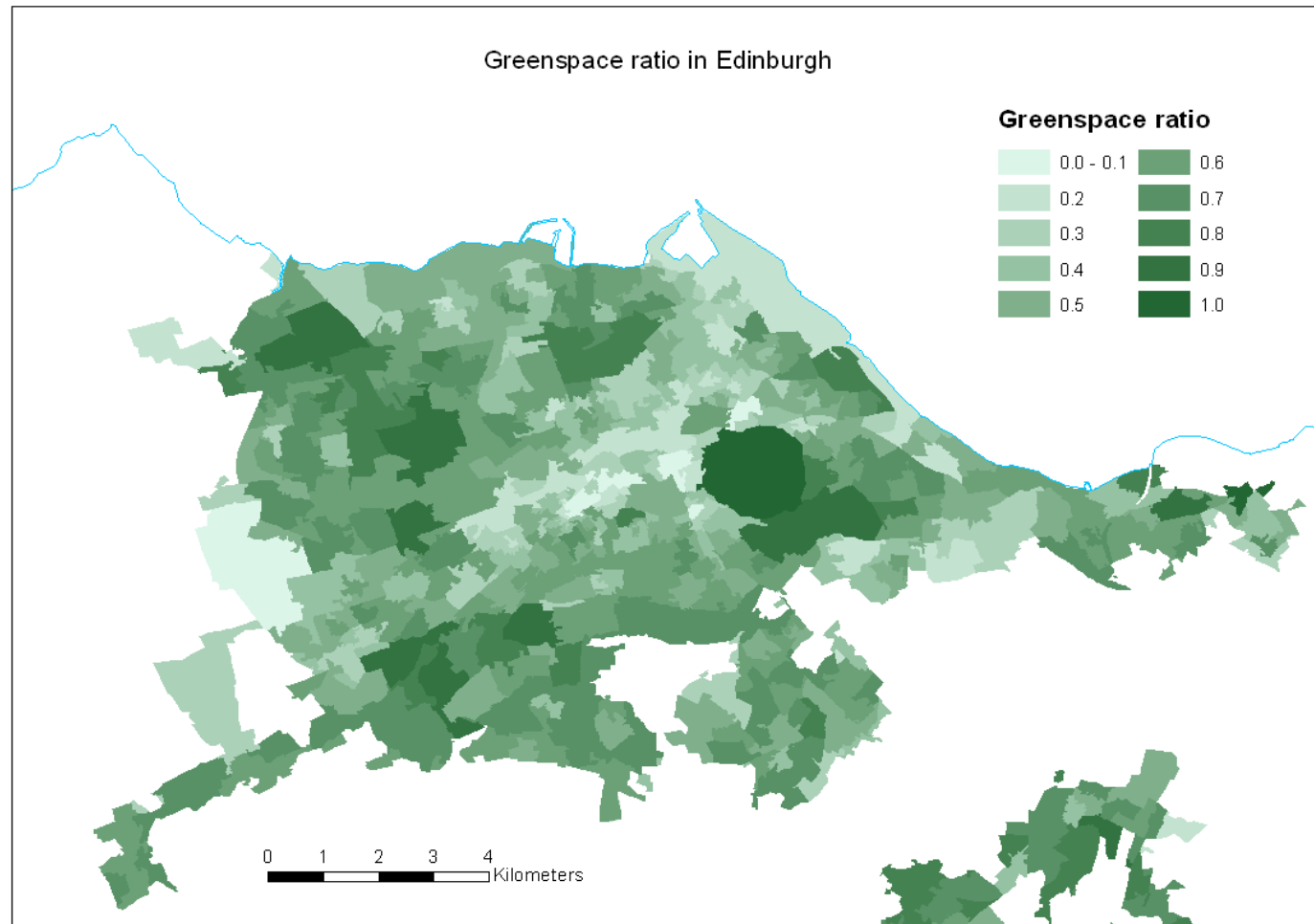


# Greenspace and ecosystem services



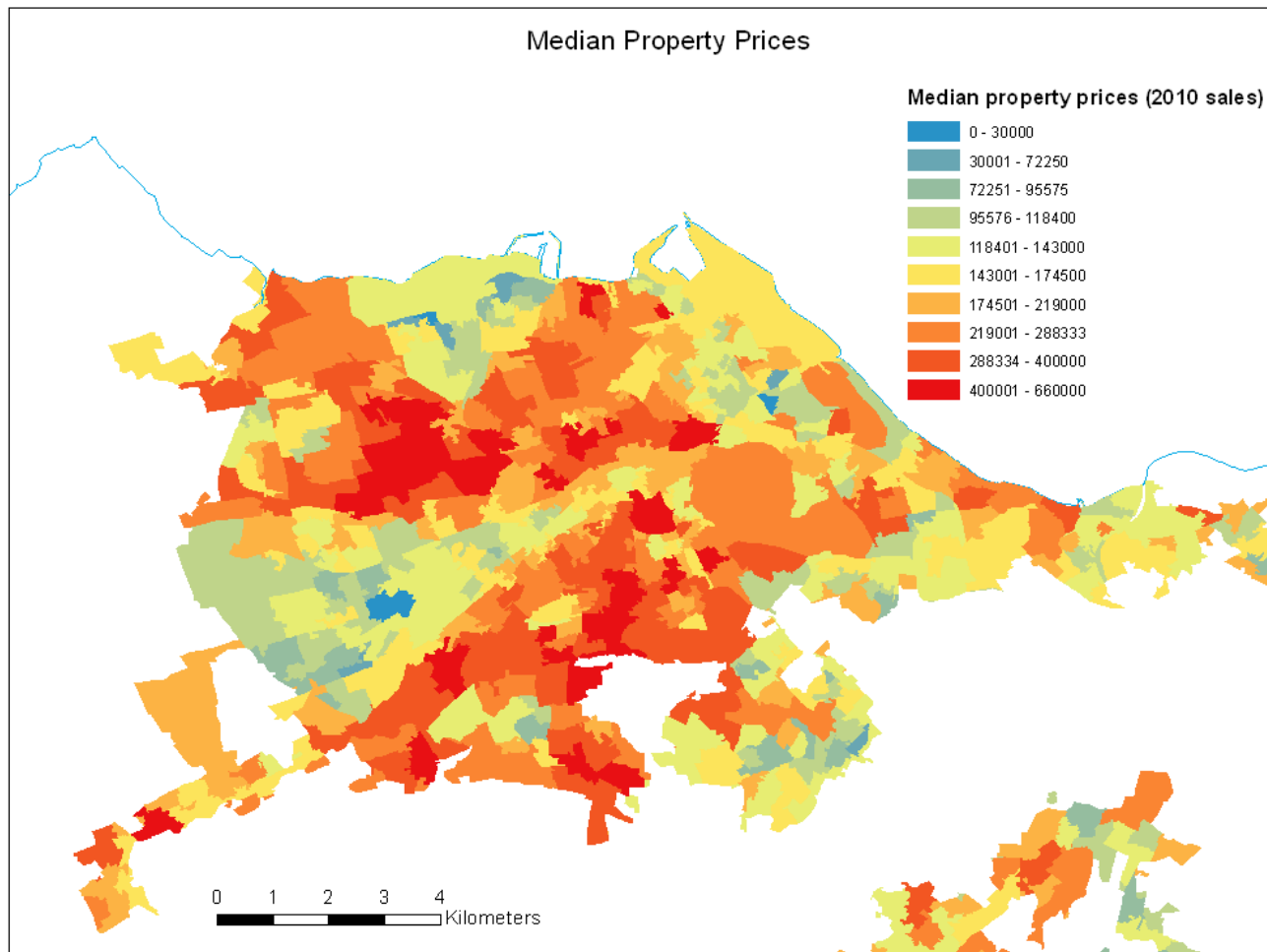
	Provisioning	Regulating	Cultural	Supporting
Public parks & gardens				
Private gardens				
Allotments				
Amenity greenspace				
Play space				
Sports areas				
Green corridors				
Natural/semi natural				
Other (e.g. cemeteries)				
Civic space				

# Greenspace ratio

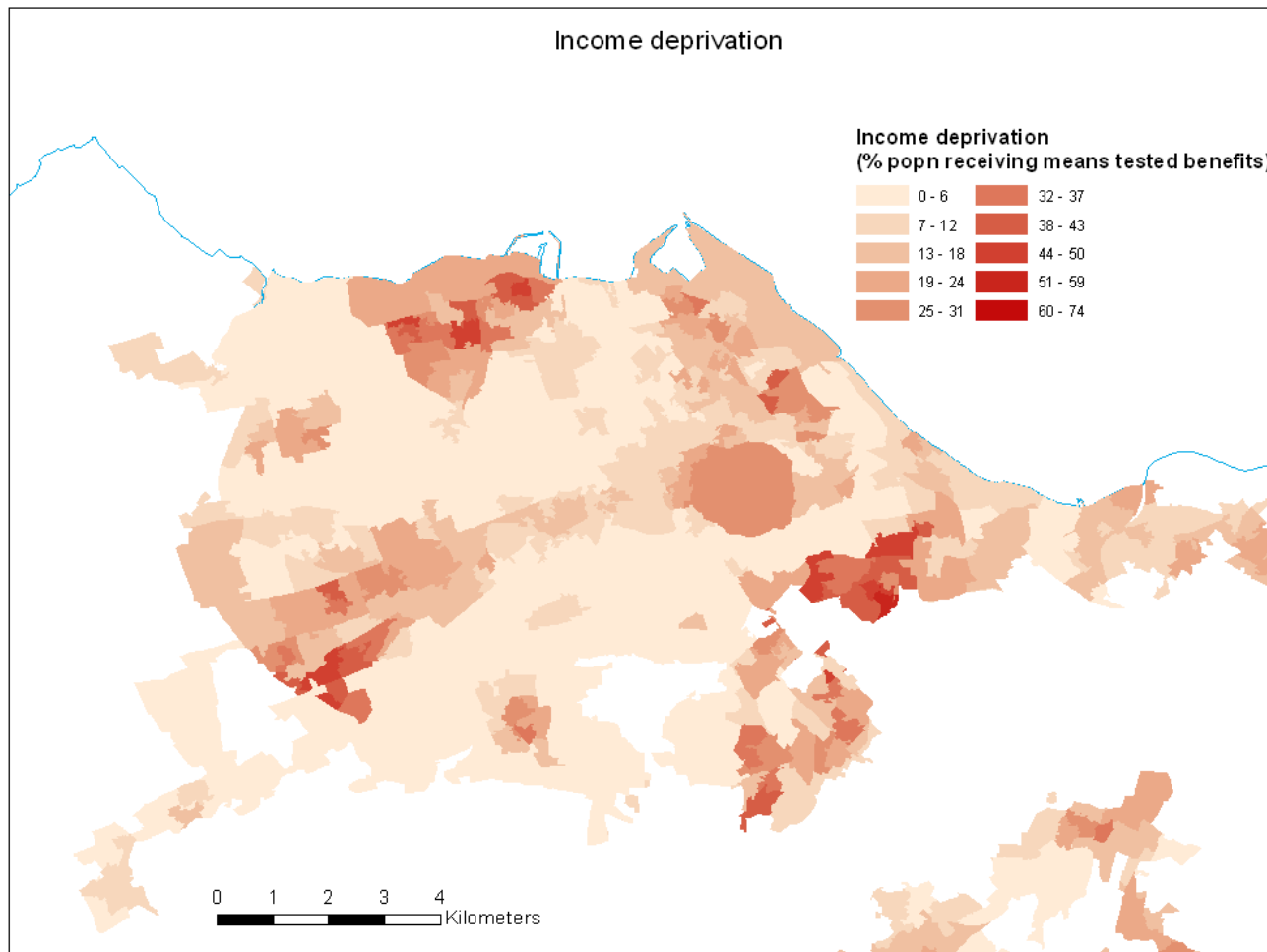




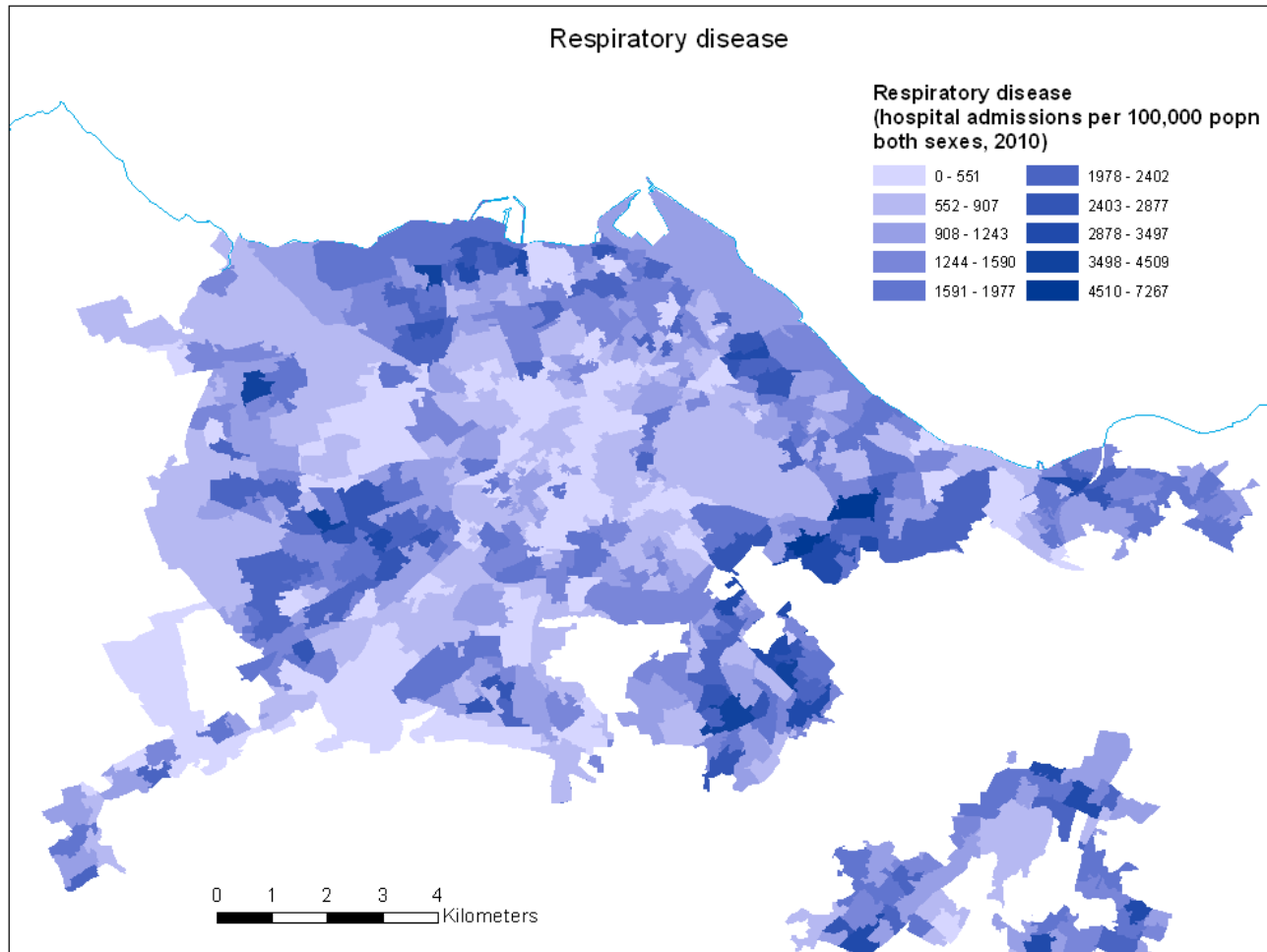
# Property values



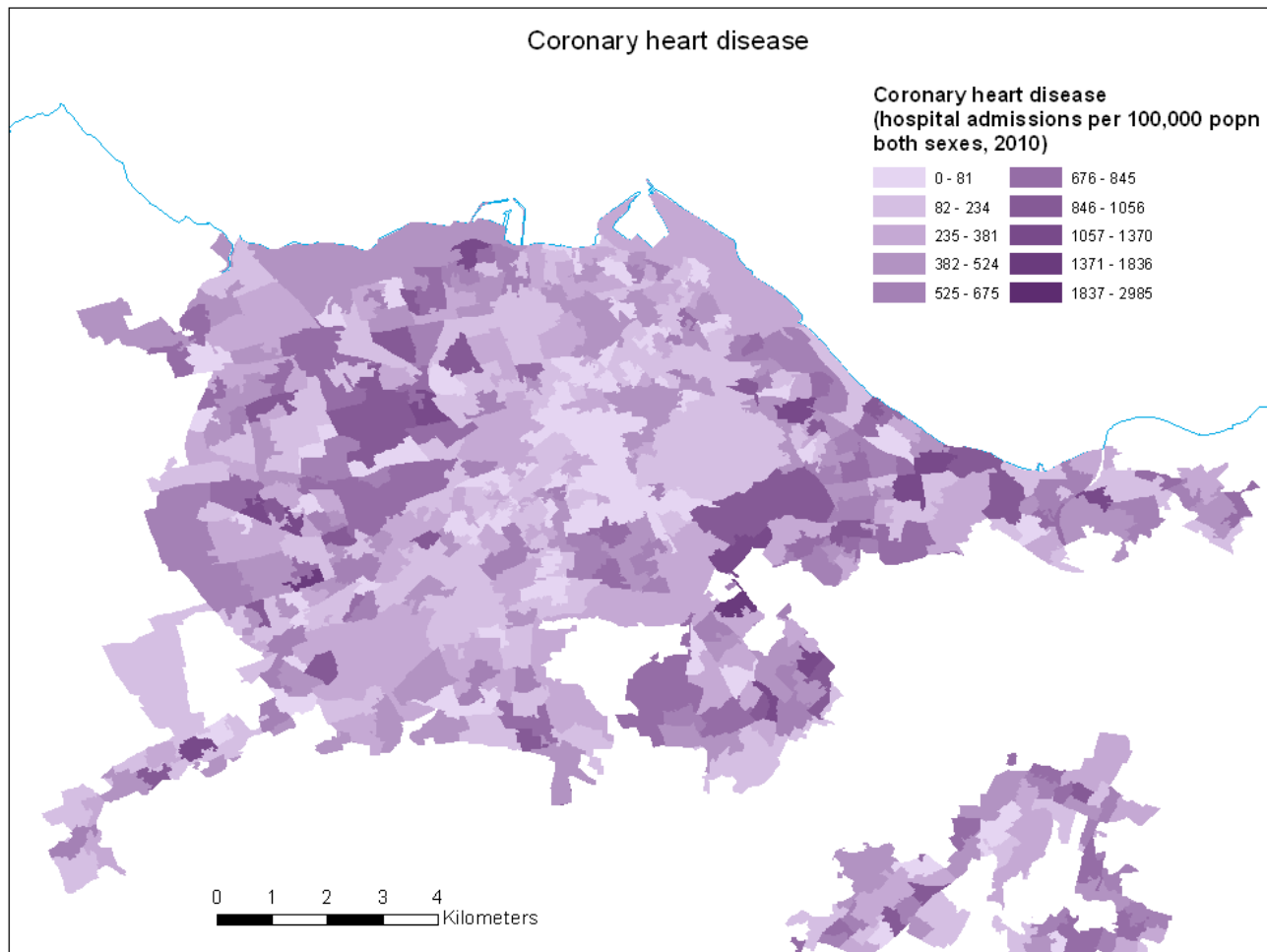
# Income deprivation



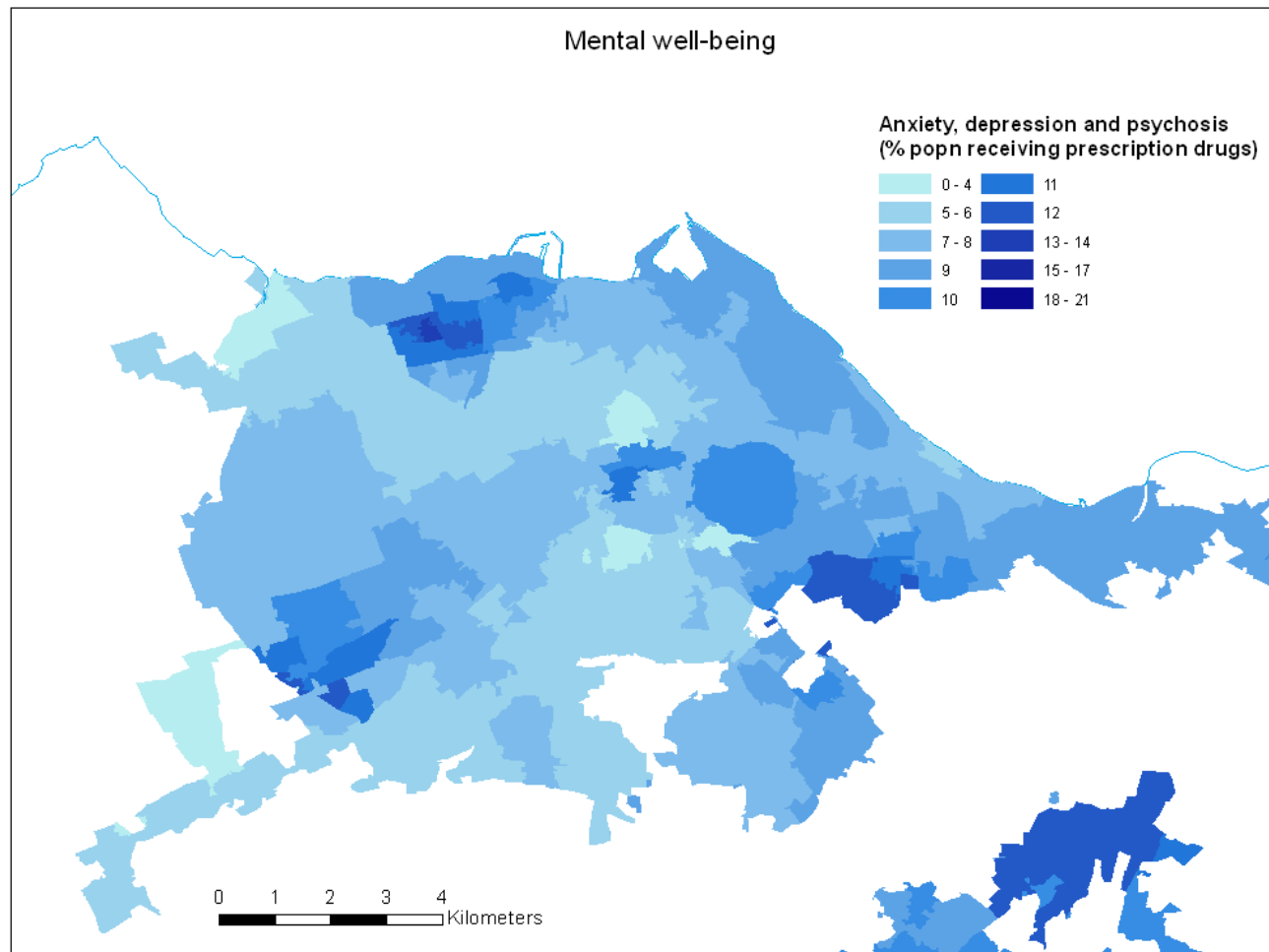
# Respiratory disease



# Heart disease

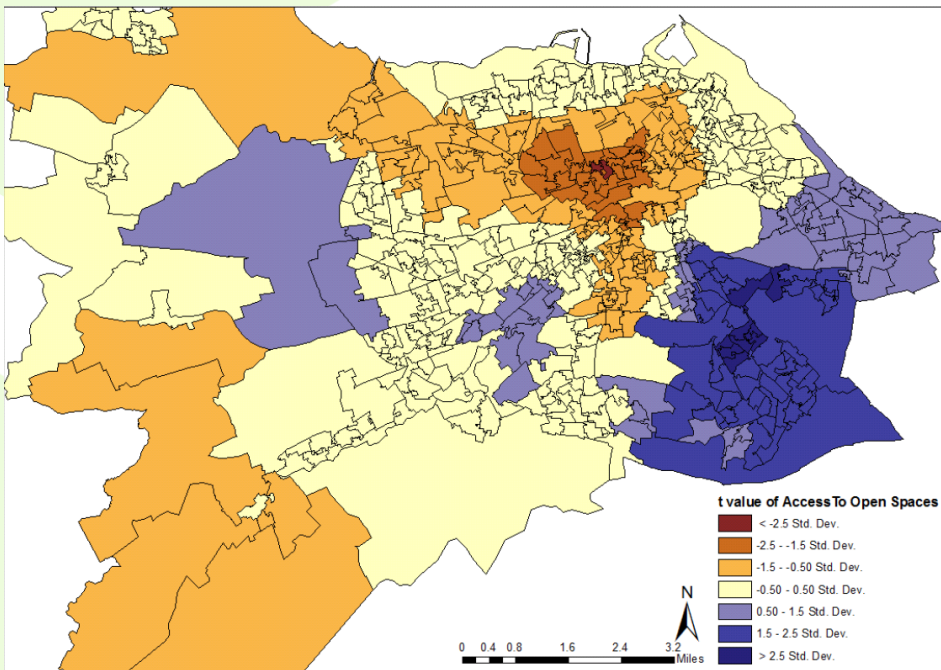


# Mental well-being

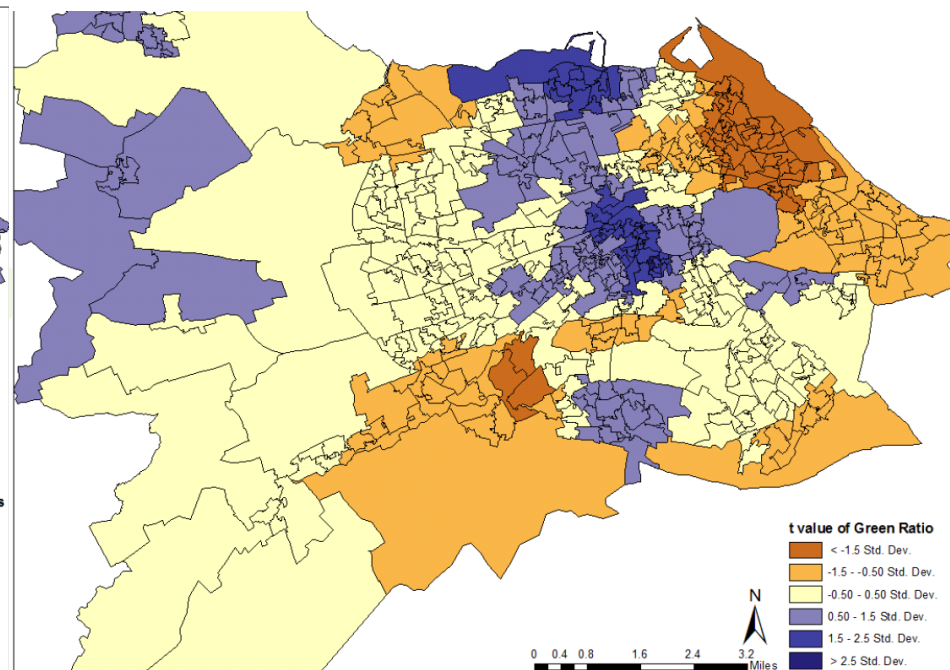


# Open vs. green space

Significance ( $\pm$ ) of open space on property values

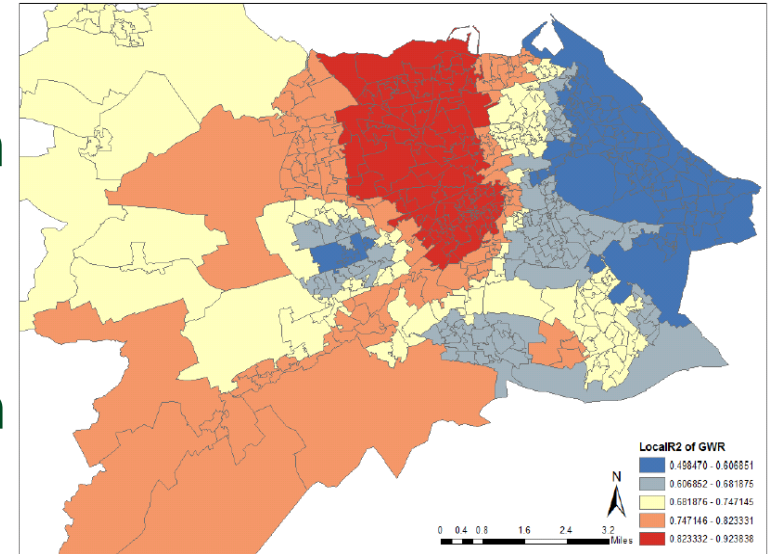


Significance ( $\pm$ ) of green space on property values



# Data gaps, limitations and uncertainty

- Modelling issues:
  - Property market segmentation
  - Correlations (e.g. income and health)
  - Socio-economic segmentation
- Physical and mental health are complex outcomes from multiple influences over long time frames



# Summary

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- Evidence that greenspace influences economic value (property prices) in different ways in different places
  - Expansion to consider the ecosystem services being delivered by that greenspace
- What are the links between greenspace and ecosystem services and health and well-being
- What will these tell us about the equity in the distribution of greenspace, ecosystem services and well-being
- Can this inform planning of development and green infrastructure:
  - To provide multiple benefits?
  - To improve equity and well-being?