

Visual aspects of transport The last frontier for transport and health?

Paulo Rui Anciaes

Centre for Transport Studies University College London

International Conference on Transport and Health In-person transit stop meeting, 21-22 June 2022, Cardiff

Two views

View (of car drivers) from the road

View (of local residents and pedestrians) to the road



Possible impacts on Travel behaviour? Safety ? Health ? Wellbeing?

View from the road

View from the road







View from the road







Scope

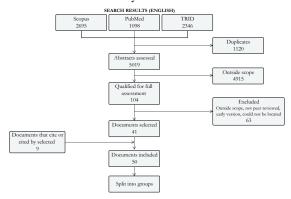


Excluded Natural environment (e.g. trees)

Built environment (e.g. buildings, advertising)

Road design (e.g. barriers, lamp posts, traffic signs, road surface)
Road design (e.g. moving/parked vehicles, pedestrians)

Methods - systematic review



Results - Landscape types

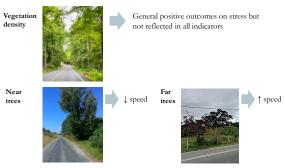


Gaps/issues

- 'Blue' landscapes, industrial, derelict areas
 - Long-term effects (e.g. in commuting trips)

 - Effect on distraction
 Many studies used mainly young male samples

Results - Roadside vegetation



- Gaps/issues Vegetation in urban settings
 - Long-term effects
 - No studies with older age groups

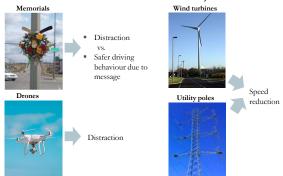
Results - Advertisements



Especially ads that have movable displays, are complex, have emotional or sexual content, or are located at junctions

- Gaps/issues Possible positive effects
 - Results not triangulated with self-reported information on what
 - No before/after analyses in real-world contexts

Results - Other roadside objects



Issues: Many studies used mostly young male samples

View to the road







View to the road

View to the road







View to the road







Scope



- Included

 Road infrastructure (carriageway, barriers, lamp posts, traffic signs, etc.)

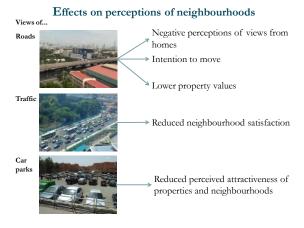
 Vehicles (moving or parked)

 Structures aimed at car users (e.g. billboards)

Effects on perceptions and use of places



Views of... Roads Identified as intimidating for pedestrians (especially elevated roads) Traffic Identified as negative visual aspect of pedestrian environment





Conclusions

View from the road

- Monotonous views consistently linked to fatigue, roadside advertisements linked to distractions. Mixed effects for roadside vegetation and other visual elements
- 2 Most evidence relates to the driving task (e.g., distraction, fatigue), not to wider wellbeing aspects (e.g., stress).

View to the road

- Ome associations between views of roads/traffic/car parks and worse neighbourhood perceptions and lower wellbeing/lower stress recovery
- Not much evidence on effects on pedestrian behaviour, use of public places, or physical activity in local area

Thank you!

p.anciaes@ucl.ac.uk

https://iris.ucl.ac.uk/iris/browse/profile?upi=PRANC25