

How do pedestrians react to busy roads? Findings from video surveys

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1st International Conference on Transport and Health
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1. Community severance a.k.a. barrier effect



2. Cross



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3. Don't cross



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4. Who are you?

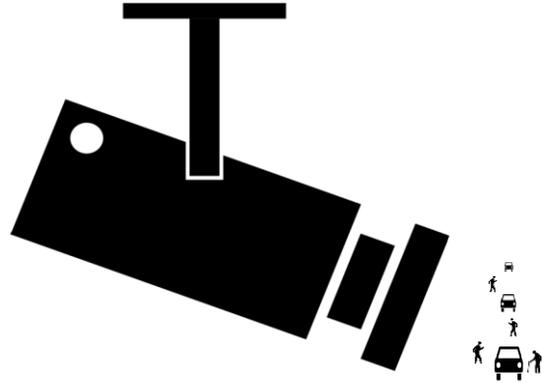
The UCL *Street Mobility* project

We are developing tools to address severance

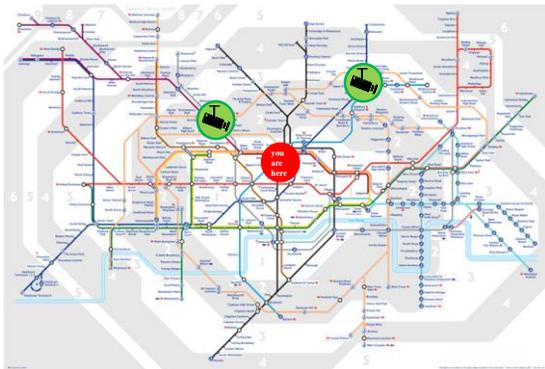


Jenny Mindell, Shaun Scholes, Sadie Boniface, Nora Groce
Peter Jones, Muki Haklay, Paulo Anciaes, Shepley Orr
Laura Vaughan, Ashley Dhanani

5. What have you been doing?



6. Where?



7. Woodberry Down



No pedestrian crossings

8. Who crossed the road?

Community Severance @StreetMobility · now

Video survey in London: People with #mobility restrictions much less likely to cross busy road than others #ICTH2015



9. Where?

Community Severance @StreetMobility · now

Video survey: many #pedestrians cross busy road in unsafe locations to avoid walking to crossing facilities #ICTH2015



10. When?

Community Severance @StreetMobility · now

The propensity to cross the road away from crossing facilities is higher when road traffic is lower #ICTH2015



11. How?

Community Severance @StreetMobility · now

Strategies to cross busy road: run, stop in the middle, or get sandwiched between cars #pedestriansafety #ICTH2015



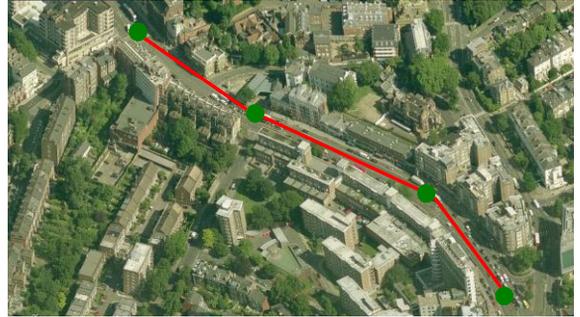
12. Why?

Community Severance @StreetMobility · now

MOST #pedestrians cross the road informally to go to a bus stop on the other side #pedestriansafety #CTH2015



13. Finchley Road



Guard railings

14. Where?

Community Severance @StreetMobility · now

Multiple stage signalised crossings? Many #pedestrians will just follow desire lines #pedestriansafety #CTH2015



15. How?

Community Severance @StreetMobility · now

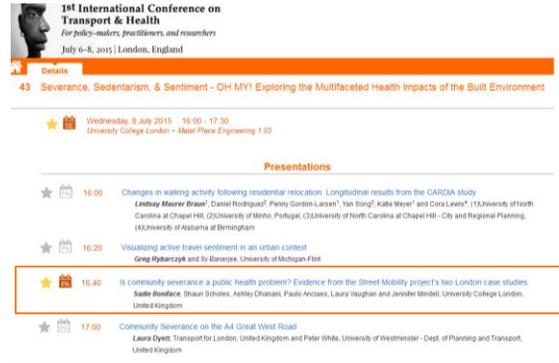
Long waiting times at crossings? Many #pedestrians won't wait #pedestriansafety #CTH2015



16. Conclusion

The video surveys confirmed that busy roads are a barrier to pedestrians, even in locations where crossing facilities are available

17. I want to know more



1st International Conference on Transport & Health
For policy-makers, practitioners, and researchers
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43 Severance, Sedentarism, & Sentiment - OH MY! Exploring the Multifaceted Health Impacts of the Built Environment

Wednesday, 8 July 2015 16:00 - 17:30
University College London - Master Place Engineering 1.03

Presentations

- 16:00 Changes in walking activity following residential relocation: Longitudinal results from the CARDIA study
Leahy Maerz Braun¹, Daniel Rodriguez², Penny Gordon-Larsen¹, Yan Song³, Kate Meyer¹ and Cara Lewis¹ (1)University of North Carolina at Chapel Hill, (2)University of Wroclaw, Portugal, (3)University of North Carolina at Chapel Hill - City and Regional Planning, (4)University of Arkansas at Benningham
- 16:20 Visualising active travel: sentiment in an urban context
Greg Rybarczyk and Vy Banerjee, University of Michigan-Flint
- 16:40 Is community severance a public health problem? Evidence from the Street Mobility project's two London case studies
Saba Boudine, Brian Stoker, Ashley Charns, Paulo Araoz, Laura Vaughan and Jennifer Mendel, University College London, United Kingdom
- 17:00 Community Severance on the A4 Great Wood Road
Laura Oprea, Transport for London, United Kingdom and Peter White, University of Westminster - Dept. of Planning and Transport, United Kingdom

18. And more...



 <http://www.ucl.ac.uk/street-mobility>

 <https://streetmobility.wordpress.com>

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