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Developing tools to identify and overcome barriers to walking among older people

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on behalf of the *Street Mobility and Network Accessibility* project team

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What this presentation is about

Motorised mobility



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Non-motorised mobility



Talk



**The UCL
Street Mobility
project**

...experience any of the following difficulties getting around?

Tick all that apply

- Busy road or other barrier
- Lack of crossing points/crossings do not allow adequate time to cross
- Lack of lighting, pavements or paths
- Pollution
- Fear of crime
- Fearful of getting lost
- Takes too much effort (e.g. hilly)
- Takes a long time
- Other

Please specify:

Ask

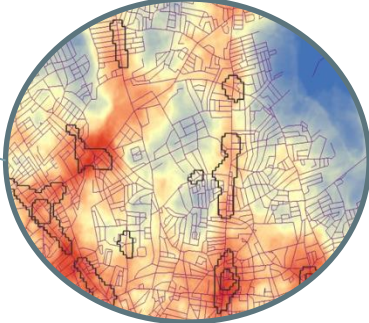
Traffic density: High

ACTUAL SPEED STATIONHOUS

In this scenario, which of the two options would you choose?

Option A	Option B
Cross at this point Saving 20p off your one-way fare	Do not cross the road and pay the current fare
<input type="radio"/> Option A	<input type="radio"/> Option B

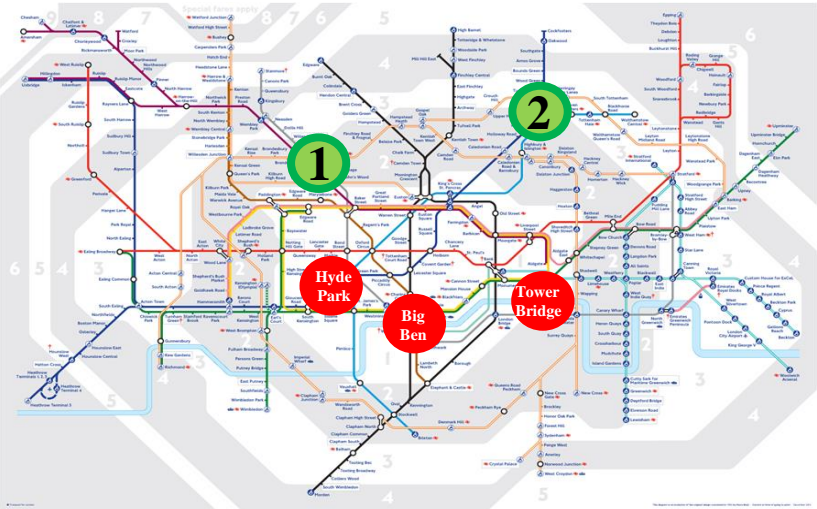
Map



Look



Case studies



1



2





Talk



Perceived barriers: Busy road, esp. junctions

Routes: Avoid busy road by choosing alternative (longer) routes, taking bus, etc.

Destinations: Community centre, friends' homes, etc.



**VIDEO
SURVEY**

Look



People with mobility restrictions
less likely to **cross** the road



Dangerous crossing **behaviours**



**STREET
AUDITS**



Barriers to walking **along** busy roads



Barriers in **alternatives** to busy roads

	Affected
Speed	15%
Volume	15%
Other	3%

	Affected	Not affected
Meet neighbourhoods at least once a week	55%	64%
Feel part of the area (1-7)	3.7	4.2
Feel lonely living in the area (1-7)	3	1.8

...experience any of the following difficulties getting around...



Tick all that apply

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- Pollution
- Fear of crime
- Fearful of getting lost
- Takes too much effort (e.g. hilly)
- Takes a long time
- Other


Please specify:

HOUSEHOLD SURVEY

Ask

To avoid crossing a road with..	Willing to...	
		
6 lanes	11 mins.	£1
High traffic level	3.1 mins.	£6.97
Speed=40mph	2.4 mins.	£7.04

Traffic density: High

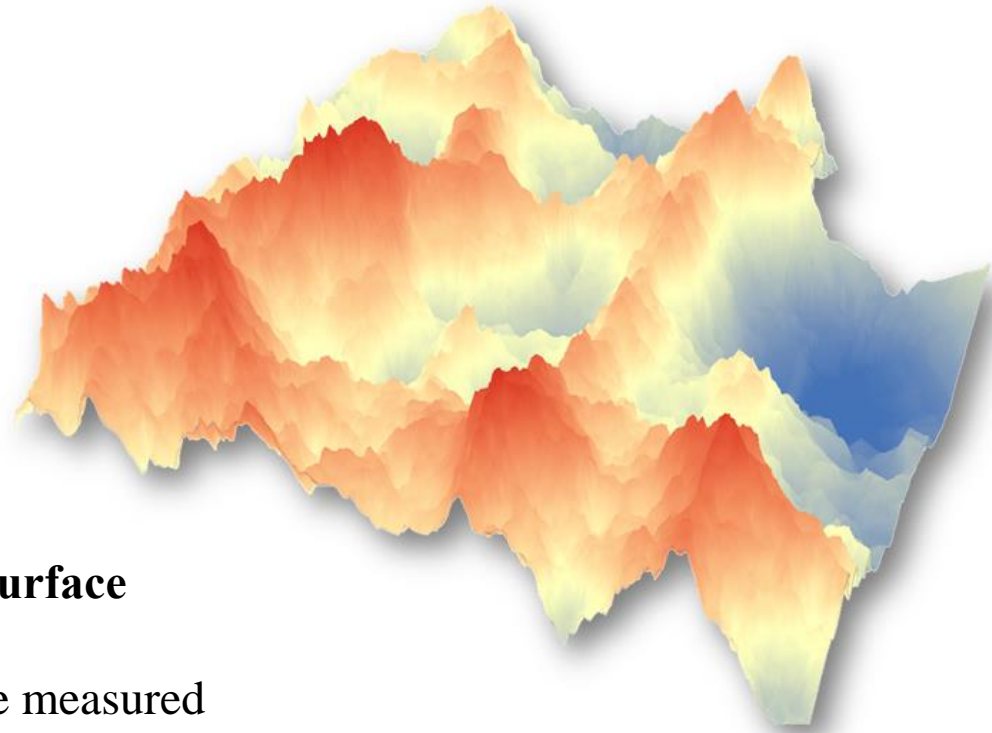


ACTUAL SPEED: STATIONARY

In this scenario, which of the two options would you choose?

Option A	Option B
<input type="checkbox"/> Cross at the point Saving slip off your one way lane	<input type="checkbox"/> Do not cross the road and pay the correct fare
<input type="radio"/> Option A	<input type="radio"/> Option B

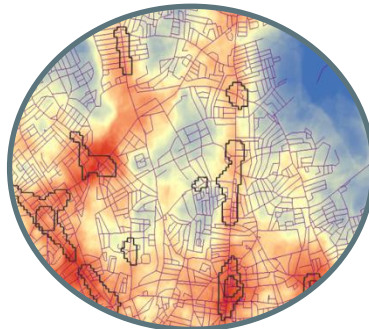
STATED PREFERENCE SURVEY



North London's walkability surface

Busy roads explain cases where measured walking flows are lower than predicted from walkability model

Map



**Tweet your
conclusions**

Community Severance @StreetMobility · now

Preliminary results from multidisciplinary project suggest busy roads are barrier to #walking and reduce local #accessibility #TRANSED2015



Thank you for your attention!



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



<https://streetmobility.wordpress.com>



@StreetMobility

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