



Spatial Mapping: Benefits for Air Quality, Logistics and Healthy Streets

Thursday 20th May
1:15pm – 2pm

UNIVERSITY OF
WESTMINSTER



Today's Speakers



Dr Rachel Aldred
Professor of Transport
University of Westminster

Speaker



Susannah Wilks
Director
Cross River Partnership

Chair



Laura Jacklin
Senior Project Officer
Cross River Partnership

Speaker



Anusha Rajamani
Project Officer
Cross River Partnership

Chat Moderator



Rachael Aldridge
Project Officer
Cross River Partnership

Technical Lead

Today's Agenda

1. Introduction and Context to CRP
2. Visualising Potential Urban Logistics Space in London
3. Low Traffic Neighbourhoods: Spatial Equity Mapping



What do you, the audience, want to ask our speakers about Spatial Mapping, and the benefits it can deliver for Air Quality, Logistics and Healthy Streets? What else do you think is needed?

Please pose your questions and thoughts in the chat box to the right.



Introduction and Context

Susannah Wilks

Director, CRP



Delivering London's Future Together



PEOPLE



PLACES



Annual Report
2020-2021

Business Plan
2021-2022

PROJECTS

02 Our vision

Our core values



We are experts in delivering positive change. Our projects have collaborated across public, private, voluntary and community sectors for over 25 years.



We are London's largest partnership delivery organisation. Our partners range from Local Authorities and Business Improvement Districts, to Landowners and Strategic Agencies.



We are all about empowering People, to deliver innovative Projects, that create great Places. Our work transects themes such as Place Making; Health and Wellbeing; Addressing Inequalities; Sustainability; Air Quality; Freight, Transport and Active Travel; Energy; Environment; Culture; and Lighting.



We are forward thinkers, embracing collaboration for a sustainable future fit for all. We work with our partners to shape London's fabric and operation, supporting residents, businesses and visitors to all thrive in the city.

03 Partners

Cross River Partnership is proud to be working collaboratively with all of these public, private and community partners across central London and beyond.

- 1 Angel London
- 2 Better Bankside
- 3 Brixton BID
- 4 Cadogan
- 5 Camden Town Unlimited
- 6 Cheapside Business Alliance
- 7 Euston Town BID
- 8 Hammersmith BID
- 9 Hatton Garden BID
- 10 Marble Arch BID
- 11 Midtown BID
- 12 Paddington Now

- 13 South Bank BID
- 14 Team London Bridge
- 15 The Fitzrovia Partnership
- 16 The Northbank BID
- 17 Vauxhall One
- 18 Victoria BID

 **CRP Board Boroughs**

 **Boroughs CRP works with**

 **CRP Lead Accountable Body:**
Westminster City Council

CRP Strategic Partners:

- Greater London Authority
- Groundwork London
- London and Partners
- Network Rail
- Port of London Authority
- Transport for London



Safe as Warehouses

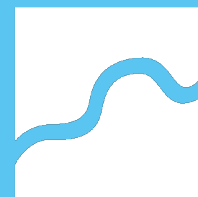
- As highlighted in a recent Economist article, online retail typically needs 3 times as much space as physical retail.
- Between 2006 and 2015, London lost 11% of its industrial land.
- Developers are struggling to meet demand for storage space.
- This needs to be supported in ways that are also good for physical i.e. High Street retail.



Visualising Potential Urban Logistics Space in London

Laura Jacklin

Senior Project Officer, CRP





**CROSS RIVER
PARTNERSHIP**

Delivering London's Future Together

Central London Sub Regional Transport Partnership



Sign Up to Our Newsletter  

HOME

PEOPLE ▾

PLACES

PROJECTS

NEWS & PUBLICATIONS ▾

COVID-19 INFORMATION

CONTACT US

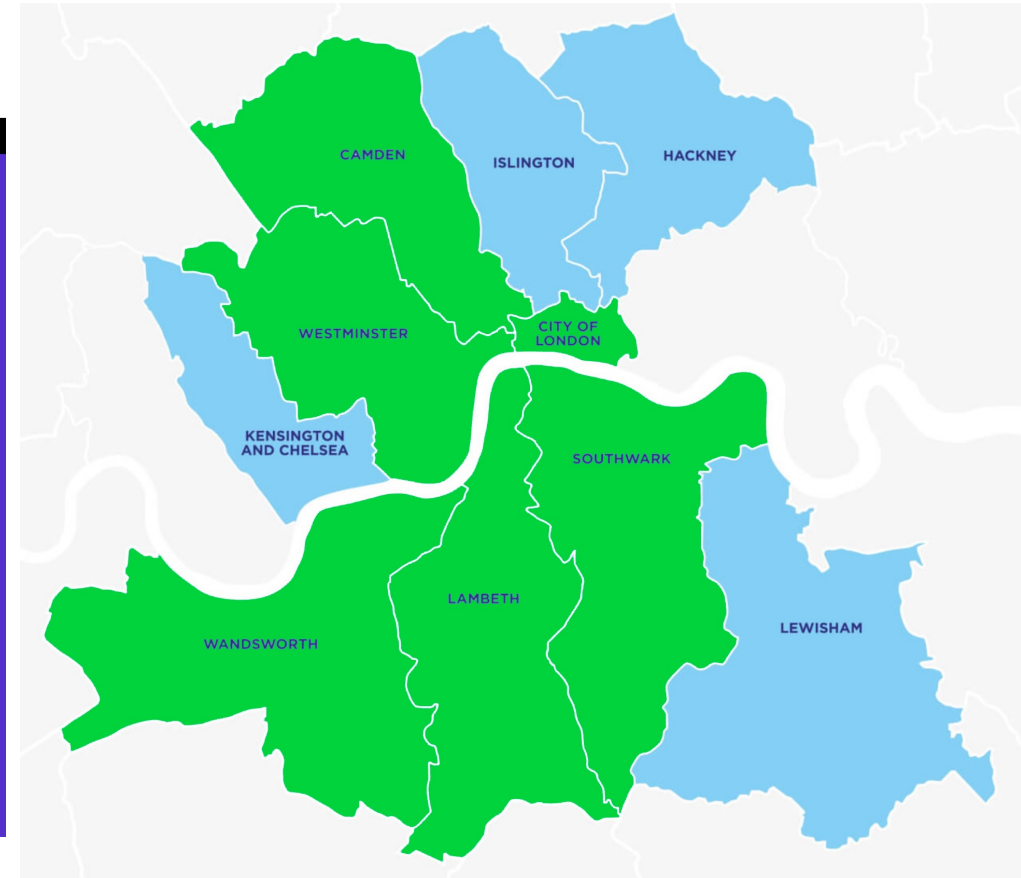
Urban Logistics Hubs in London



Urban logistics hubs and micro logistics hubs play an important role in promoting sustainable and efficient freight activity in London. Their use allows goods to be rationalised and distributed via low and zero-emission vehicles for the 'last mile' of the supply chain. This **improves air quality, reduces delivery vehicle trips, and decreases traffic congestion on roads.**

Use the interactive map below to **explore potential sites that have been advertised by Local Authorities and Landowners for use as urban logistics hubs and micro logistics hubs** across central London.

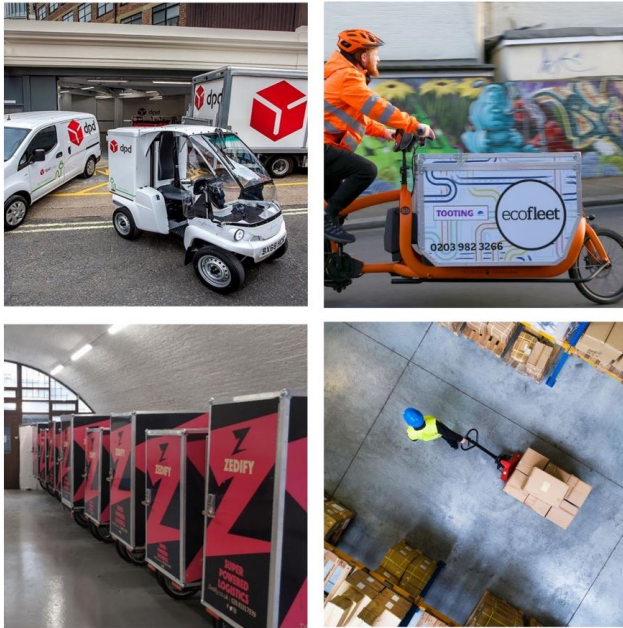
Cross River Partnership (CRP) would like to recognise and thank the Central London Sub-Regional Transport Partnership (CLS RTP), and Transport for London as the funder for this online tool.



Background

Final report
December 2020

The Potential for Urban Logistics Hubs in Central London



CROSS RIVER
PARTNERSHIP
Delivering London's Future Together

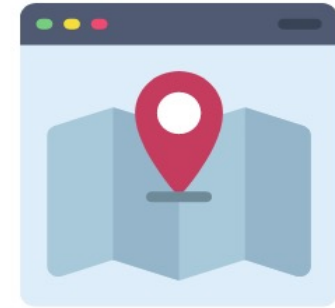
steer

Phase 1- Report December 2020



- Study identified the supply and demand for Urban Logistics Hubs in Central London.
- A range of stakeholders were interviewed to create a template of criteria needed for hub specification.
- **29 sites** were identified as *Potential urban logistic hub locations*.

Phase 2- Web Tool April 2021



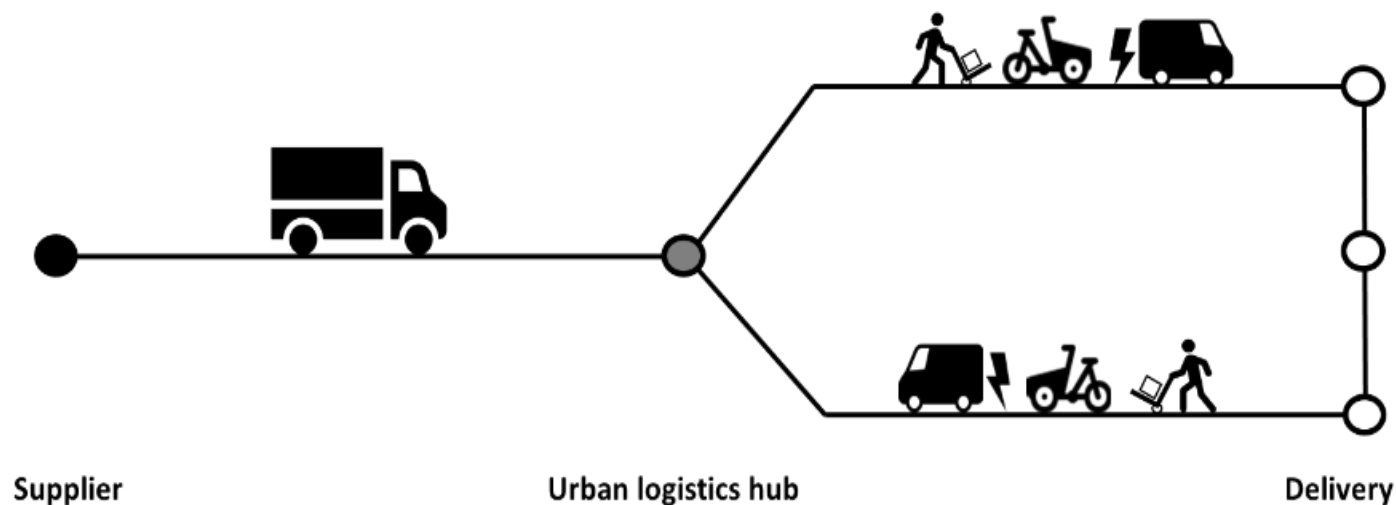
Introduction

What are urban logistics hubs?

Larger sites within the urban area, which are used by operators that often have their own national supply chains and make use of electric vans for last mile deliveries.

What are micro-hubs?

Smaller sites within the urban area, which are used by operators with a more localised supply chain and focus mostly on cycle freight and pedestrian porters for last mile deliveries.



Case studies of hubs



CROSS RIVER
PARTNERSHIP
CLEAN AIR VILLAGES

AN INNOVATIVE APPROACH TO **CONSOLIDATION** BY GUY'S AND ST THOMAS' TRUST



PROJECT STEPS

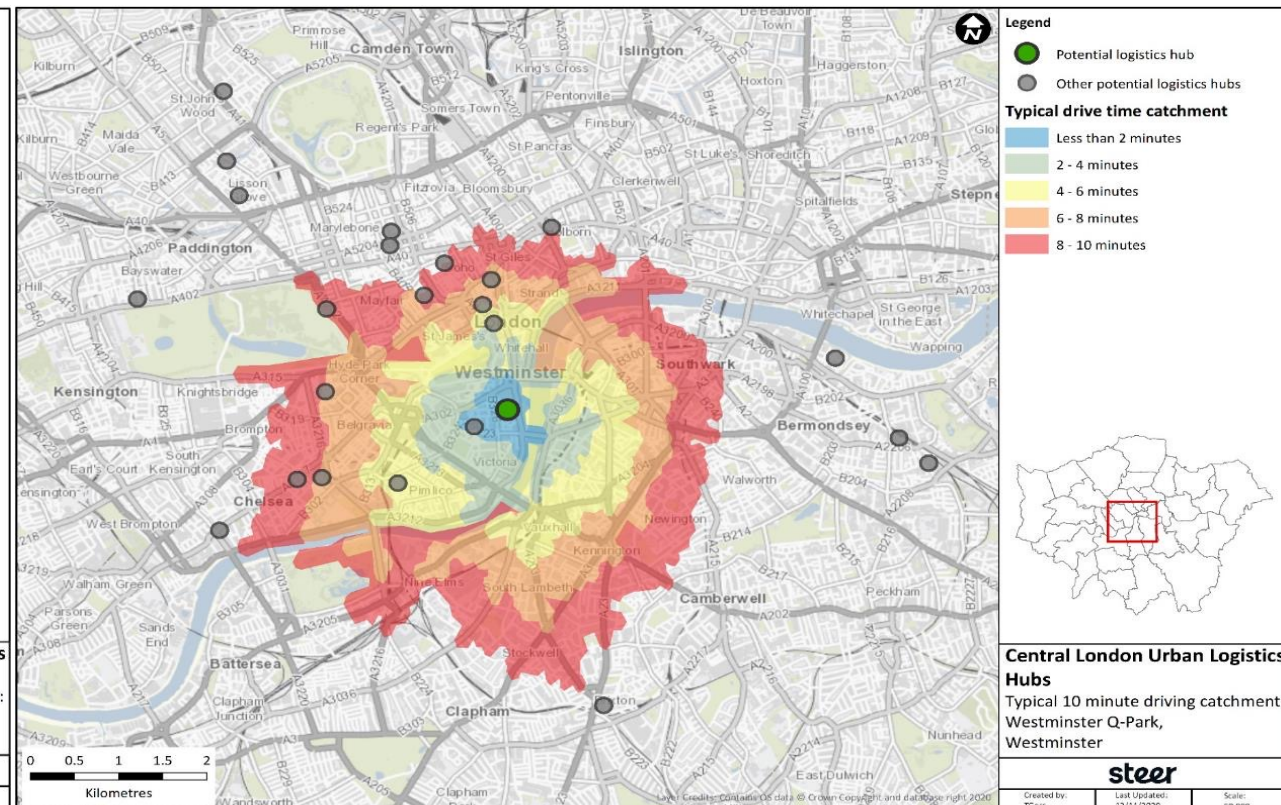
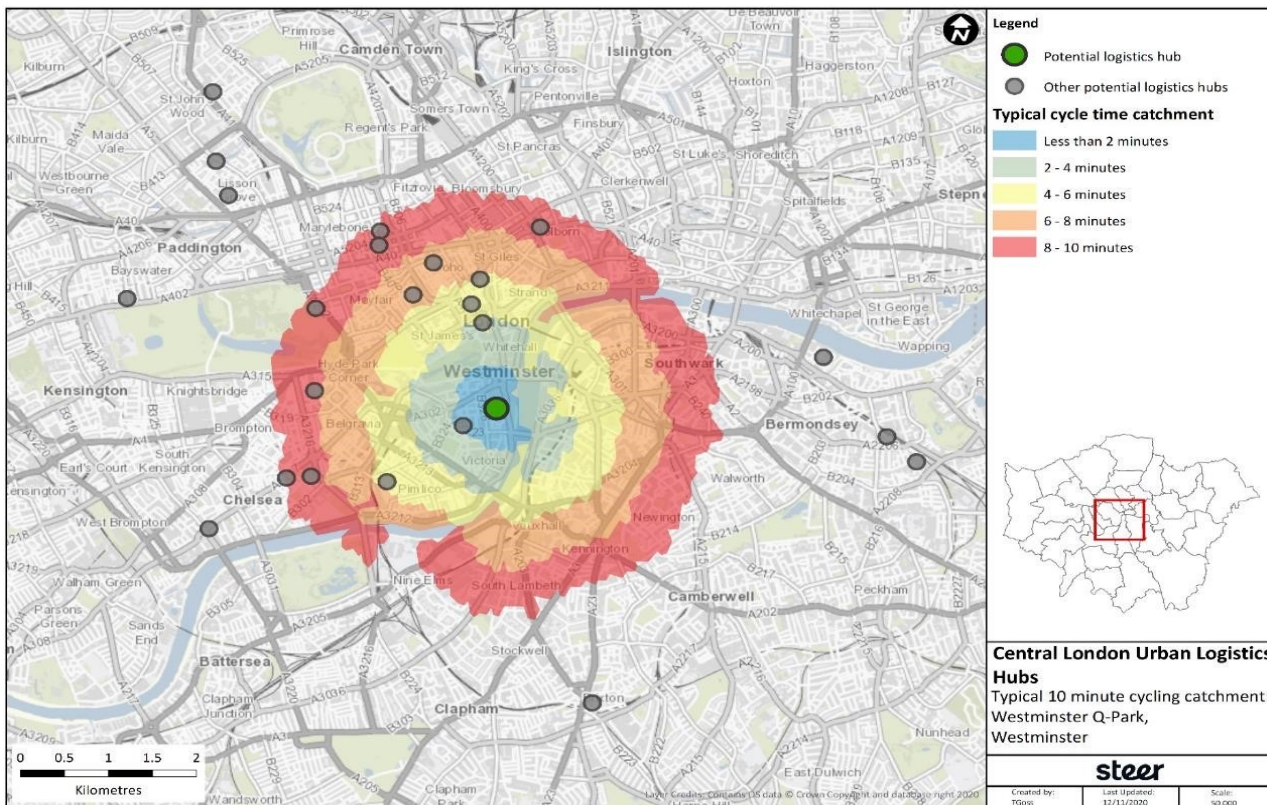
- 1 INITIAL CONCEPT
- 2 FINDING A SITE
- 3 FUNDING & FINANCIAL SUPPORT
- 4 KEY STAKEHOLDERS INVOLVED
- 5 WHAT NEXT?

CROSS RIVER
PARTNERSHIP
CLEAN AIR VILLAGES

JUNE 2020

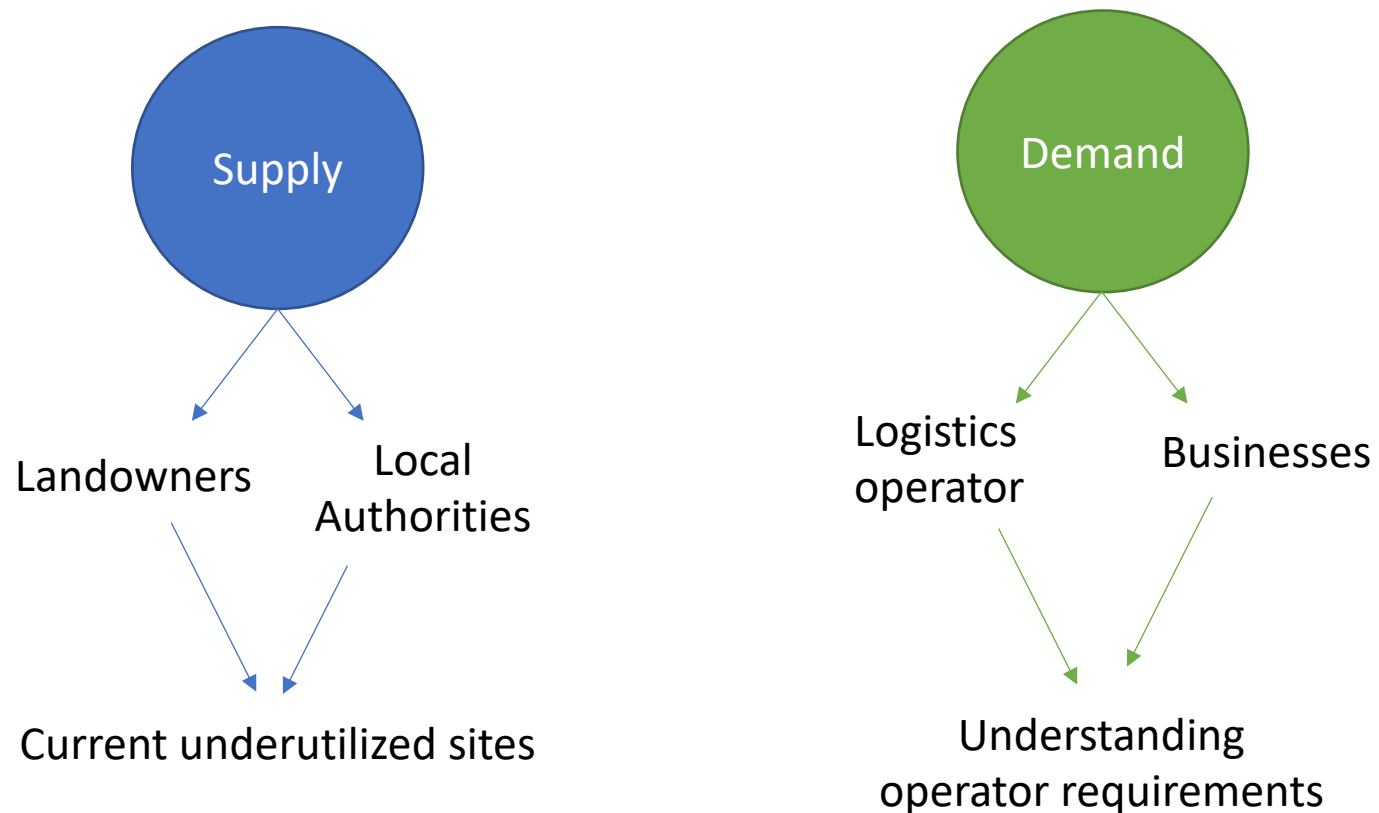
NEXT >

Extra benefits of central hubs



Stakeholders

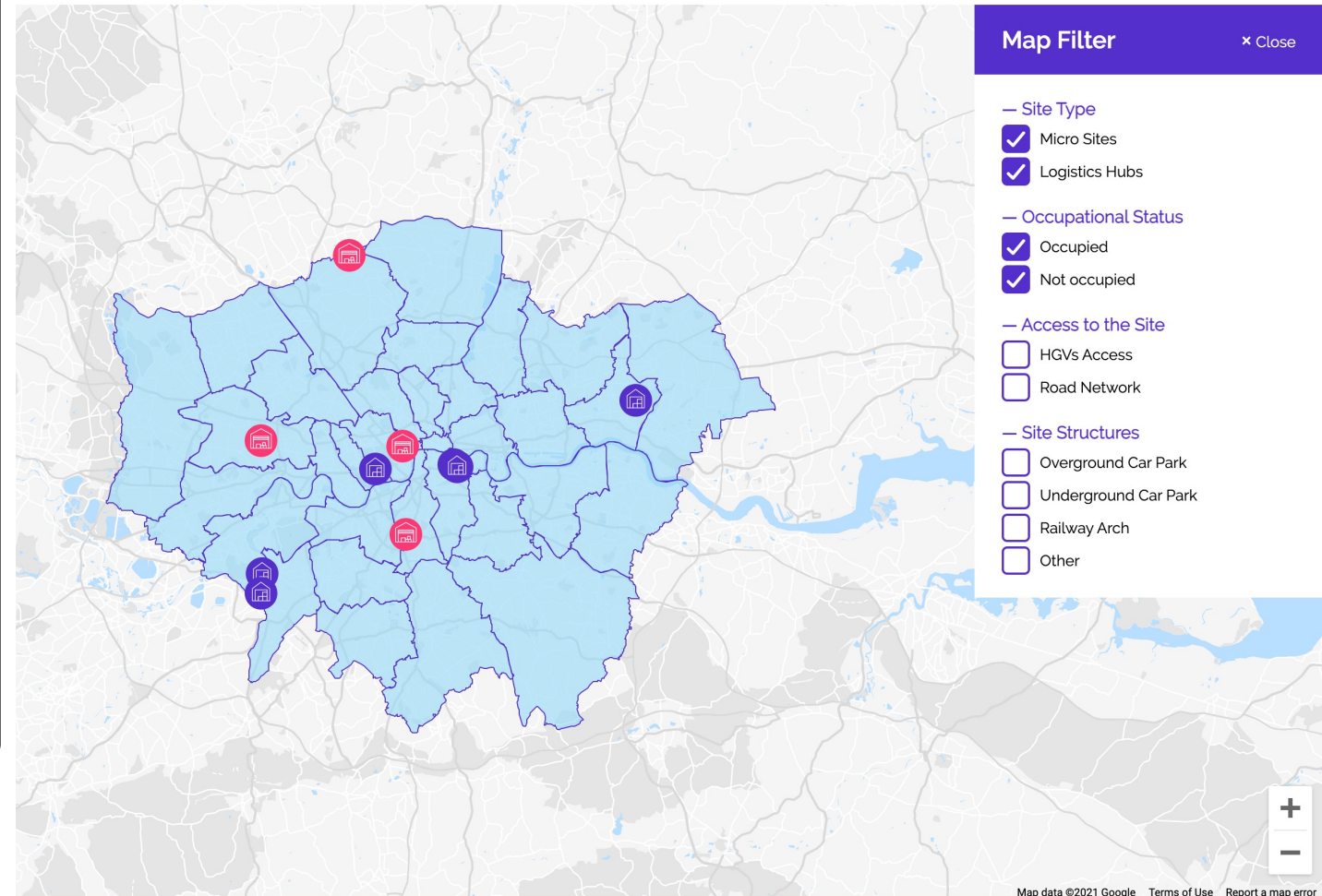
Identifying suitable sites for urban logistics hubs



Web Tool

Benefits of this tool for site owners and logistics operators

- ✓ Up to date information on potential logistics hub sites all in one place
- ✓ Develop new business relationships and collaborations
- ✓ Repurpose potentially underused space for effective 'last mile' distribution
- ✓ Expand operations into central London locations
- ✓ Cargo bike and walking deliveries improving the health of staff, residents and visitors
- ✓ Supporting the trial of new and innovative 'last mile' delivery practises
- ✓ Implementing infrastructure which reduces air pollution, congestion and carbon emissions



Functionality



Location



Space



Access



Extra
information



Test in Lambeth

Borough: Lambeth

Site Type: Logistics

Occupational Status: Not Occupied

Local Authority: London Borough of Lambeth

Owner of the Site: Test

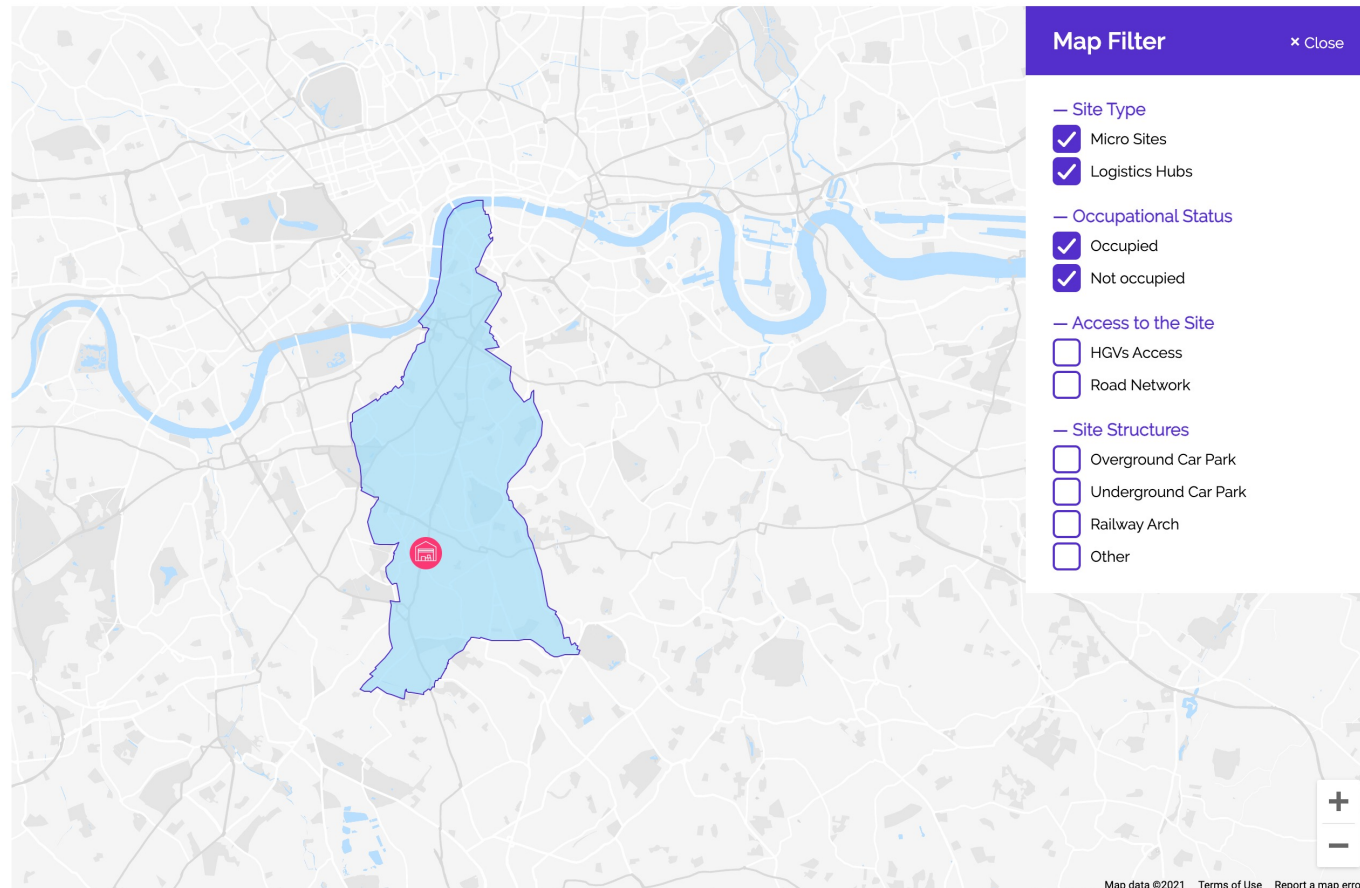
Height Restrictions: Max 10ft

Other Information:

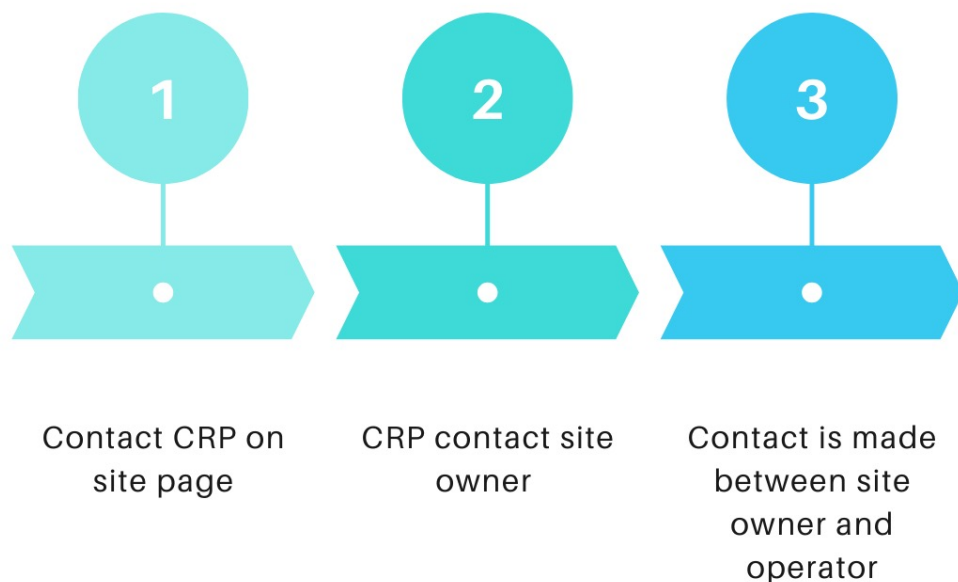
Test information here. The site is not actually a site. EVs only.



Contact the Owner



Building relationships- Operator



Contact us

If you are interested in a potential logistics site on the map or would like to submit a potential site, please fill in the contact form below and one of the Cross River Partnership team members will be in touch.

Name *

Email *

I'm interested in...

☐

A specific site on the map

☐

Looking to add a site to the map

☐

Other

I'm a...

☐

Logistics Supplier

☐

Landowner

☐

Other

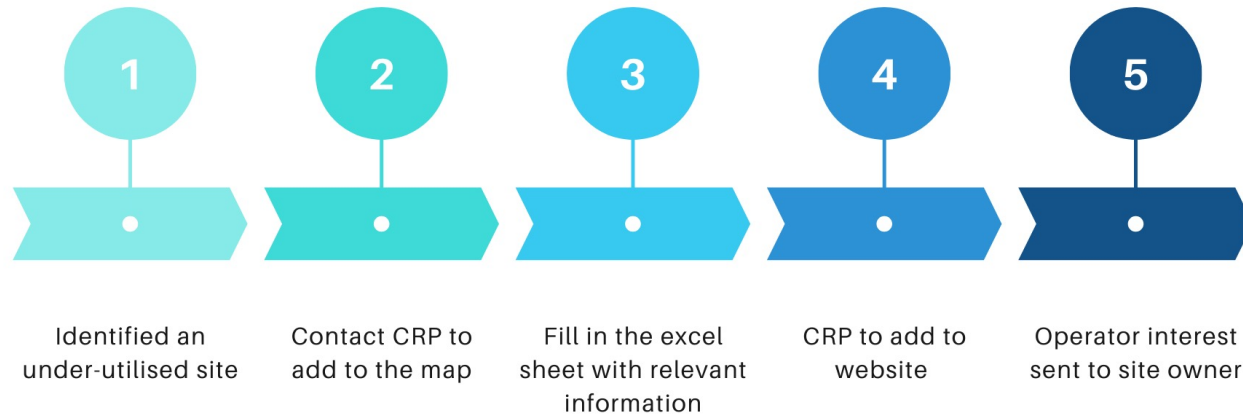
Message

Consent

☐

I agree

Building relationships- Site owner step-by-step



Central London Urban Logistics Hubs Potential logistics hub site information



Please complete as many fields in this column as you can. If you think that another department / person has the necessary information, please note it down. Answers should be provided by either selecting from the drop down boxes provided or by typing the required information.

Cells highlighted orange in column C will be displayed on the on the interactive map*, all other cells will not be shown, however they are very useful to obtain for yourself to prepare for potential conversations with logistics operators who would be interested in the site.

Section	Criteria	Value	Please provide any further useful information and/or rationale for scoring
Site information	Site ownership	(Name of owner - Local Authority name / Landowner name / Other?)	
	Site name (if applicable)	(Site name)	
	Post Code	(Post Code)	
	Street address	(Full street address)	
	GPS coordinates (if known)	(GPS coordinates, easting/northing etc.)	
	Description of site including: - Type of space (over/underground car park, railway arch, other?) - How it is currently used - Indoors/outdoors space? - Vacancy (is there currently another use of the space or is it completely vacant?) - Division of space - Single or multiple levels?	(Site description)	
	Existing lease agreement terms	(Details of lease)	
	Height restrictions	(Length x Height (m))	
	Max. vehicle size	(Length x Height (m))	
	Floor space	(m ²)	
Physical	Storage space available	(m ³)	
	Person / employee access: Number of vehicles parked	(#)	
	Person / employee access: Number of vehicles loading	(#)	
	Services / facilities available (e.g. staff toilets, showers, wifi)	(Details of services / facilities available)	
	Power supply / facility to charge electric vehicles	(Details of power supply / facilities available)	
	Adaptions required (few/easy adaptions = good)	(Please Select)	
Managerial	Access to site via HGVs available?	(Please Select)	
	Proximity to TLRN / A roads	(Please Select)	
	Proximity to the River Thames / wharves / piers	(Please Select)	
	Proximity to the rail network / mainline stations	(Please Select)	
	Local access routes into facility	(Please Select)	
	Internal access routes in facility	(Please Select)	
	Loading facility / bay	(Please Select)	
	Suitability for 24-hour operation (e.g. could noise be an issue if located in a residential area?)	(Please Select)	
	Person / employee access: Ease / safety	(Please Select)	

Building on success



Adding new types of sites e.g. Rapid charging sites/ potential sites.



Trials of hub spaces for consolidation and distribution through DEFRA – funded project.



Connecting the stakeholders including local authorities, logistics operators, residents and regional authorities.

Q&A Session

Further thoughts on Spatial Mapping:
Benefits for Air Quality, Logistics and
Healthy Streets from Laura Jacklin.



Low Traffic Neighbourhoods: Spatial Equity Mapping

Dr. Rachel Aldred

Professor of Transport, University of Westminster

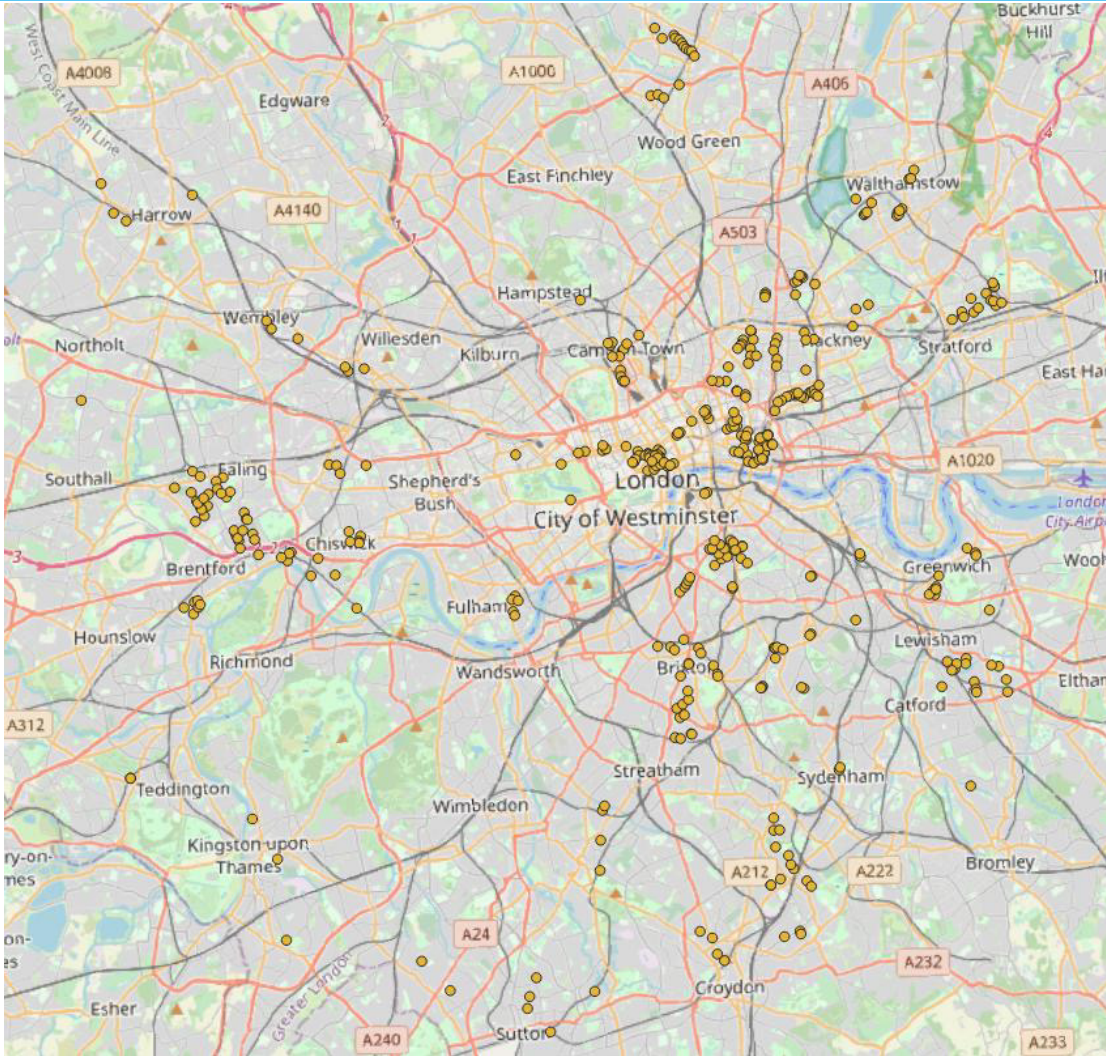
**UNIVERSITY OF
WESTMINSTER** 



Low Traffic Neighbourhoods in London

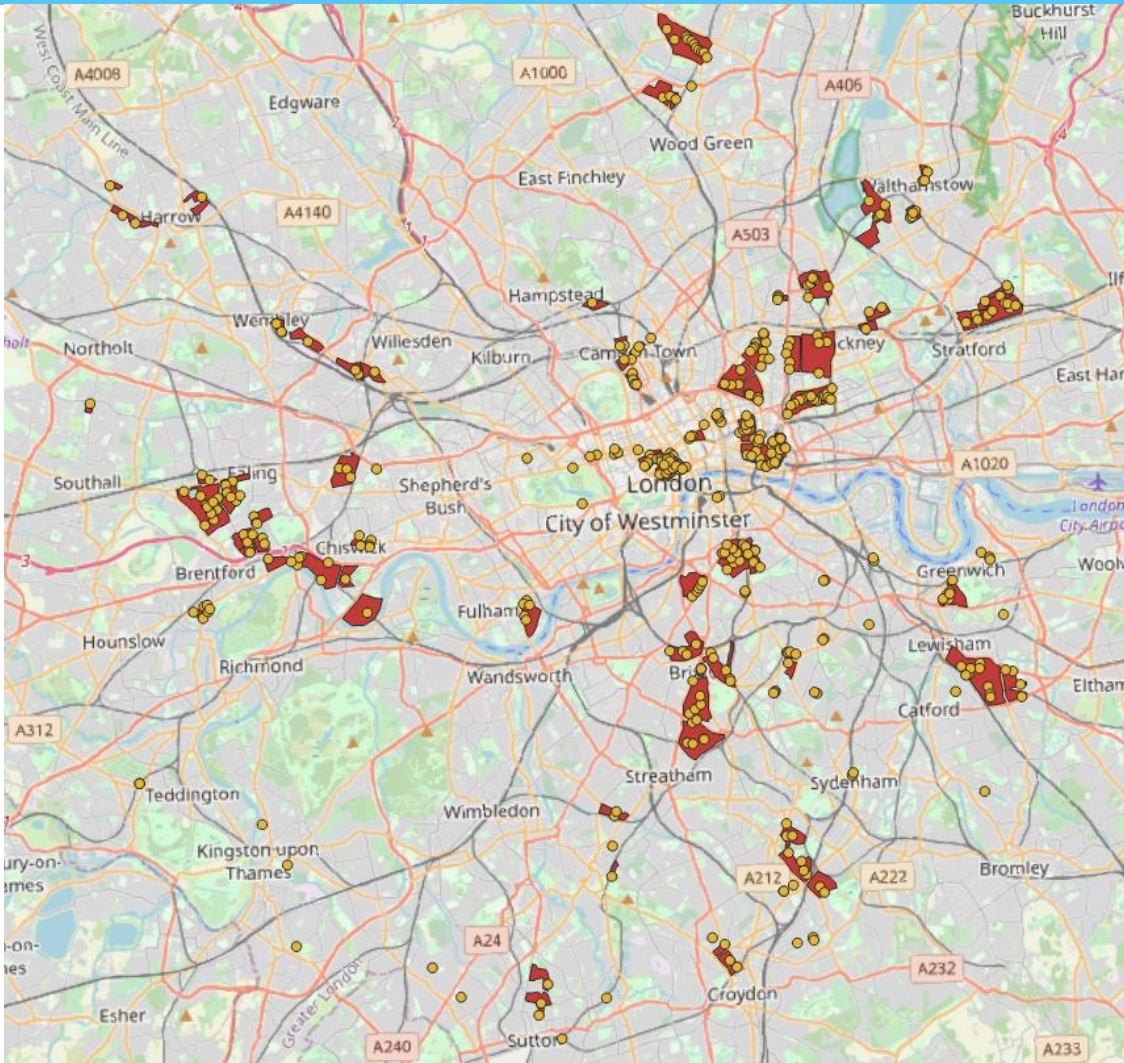


London's New LTNs: March – September 2020



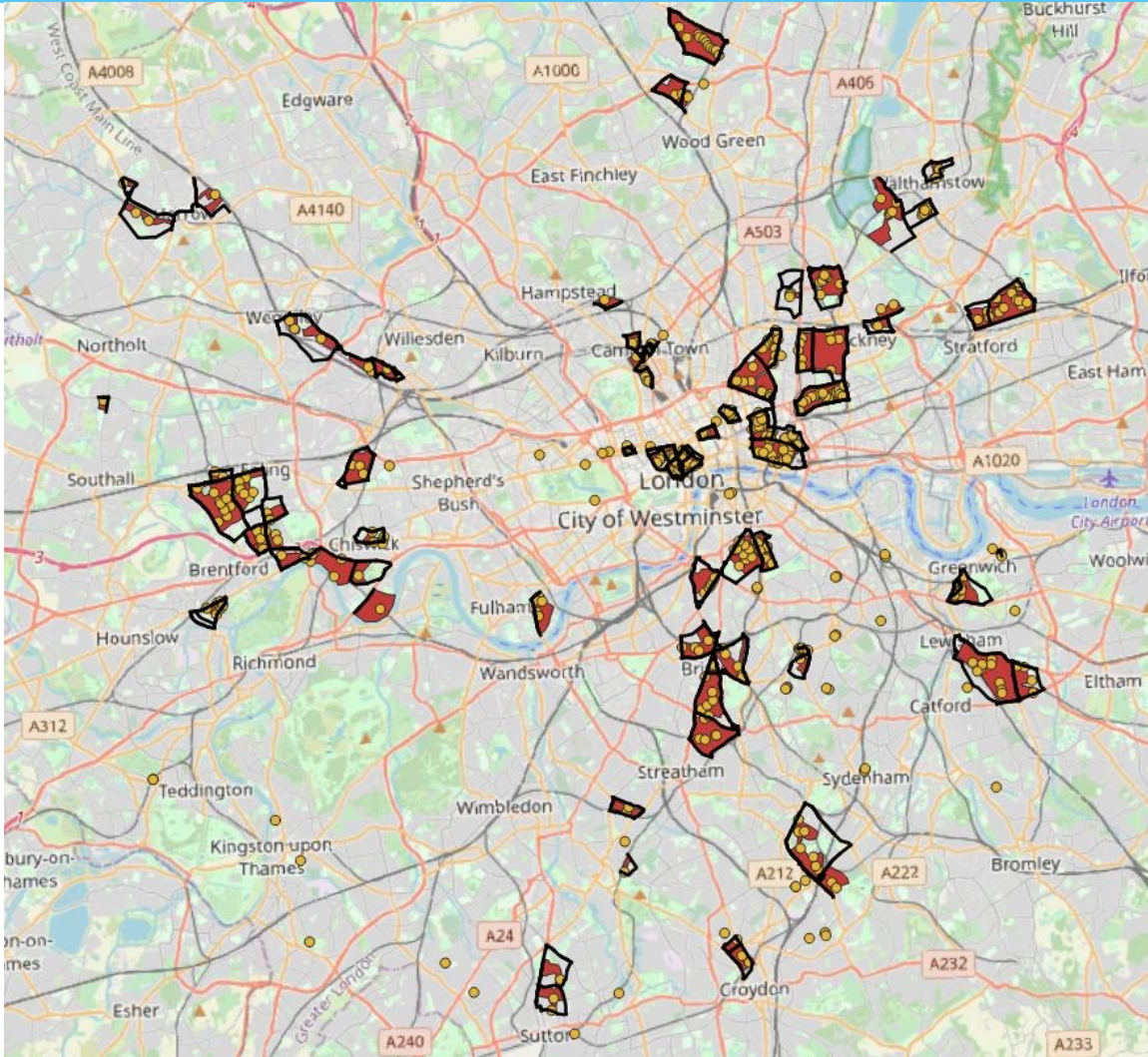
- New LTNs covered 4% of London residents, or just over 300,000 people. In Hackney the figure was as high as one in six, or 17%.
- Of 33 districts, 21 built LTNs, 10 built no LTNs, 2 built LTNs but removed them soon after.
- Across a range of demographic groups, around 9 in 10 Londoners live on primarily residential streets.

London's New LTNs: March – September 2020



- New LTNs covered 4% of London residents, or just over 300,000 people. In Hackney the figure was as high as one in six, or 17%.
- Of 33 districts, 21 built LTNs, 10 built no LTNs, 2 built LTNs but removed them soon after.
- Across a range of demographic groups, around 9 in 10 Londoners live on primarily residential streets.

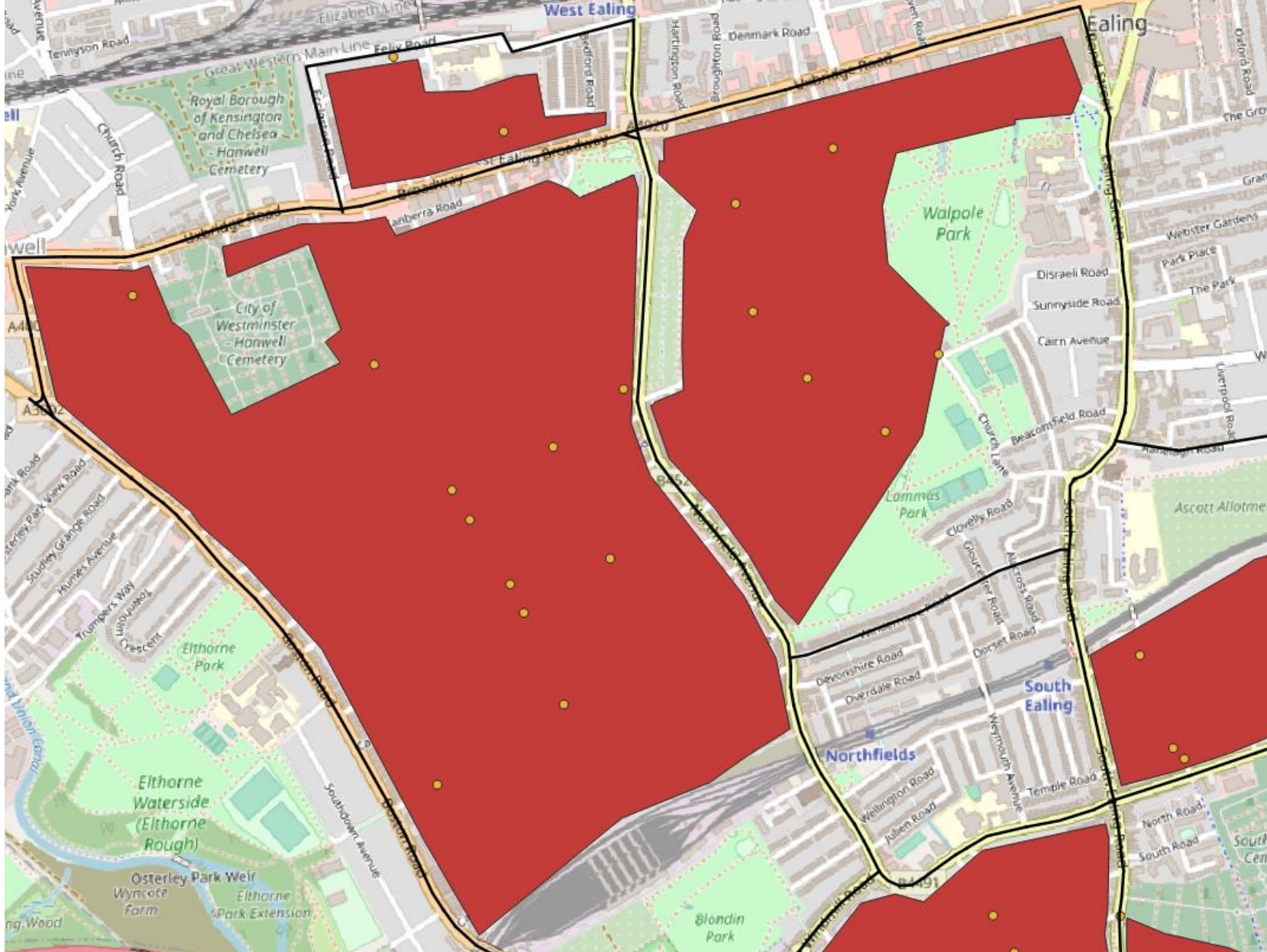
London's New LTNs: March – September 2020

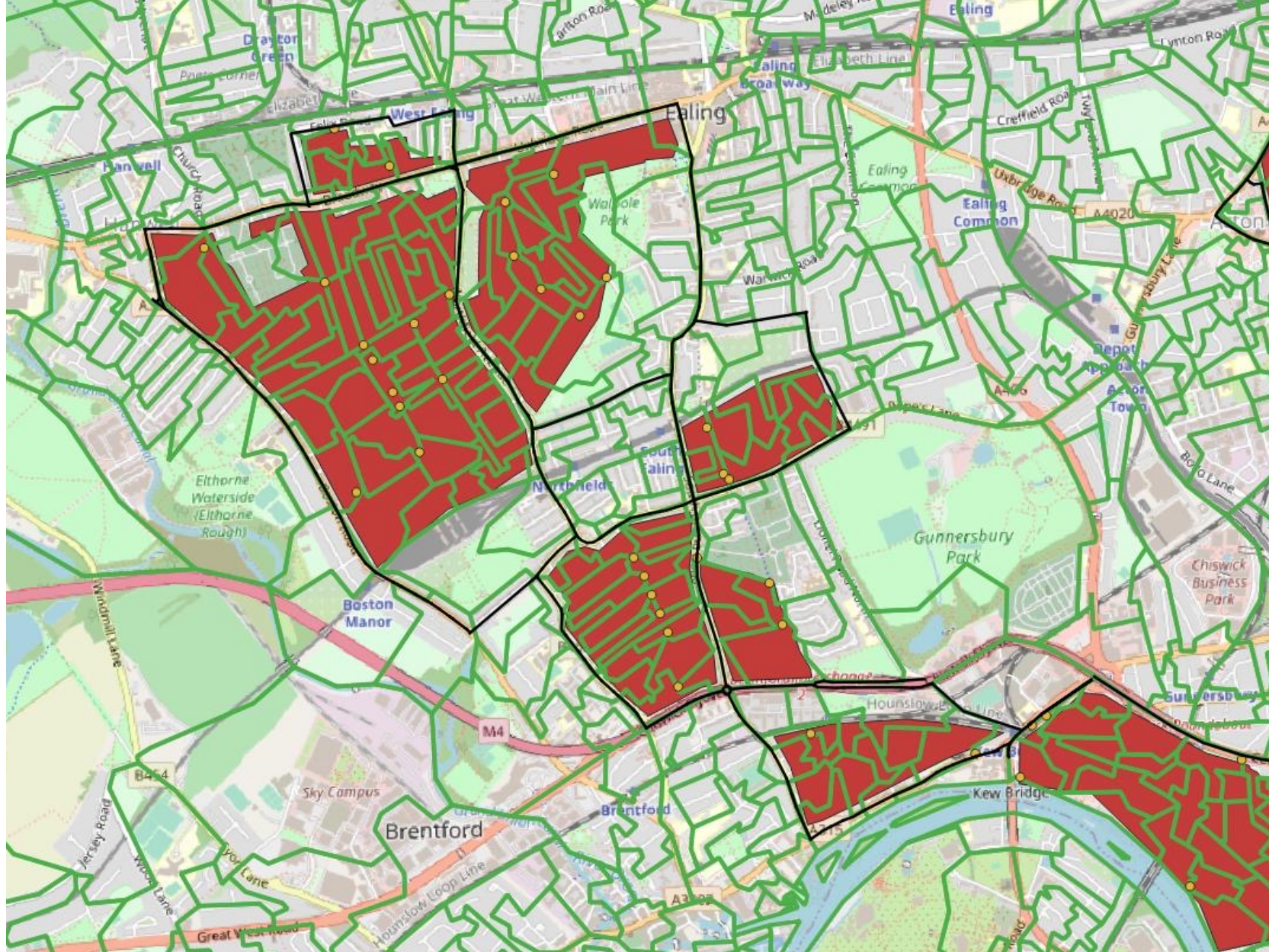


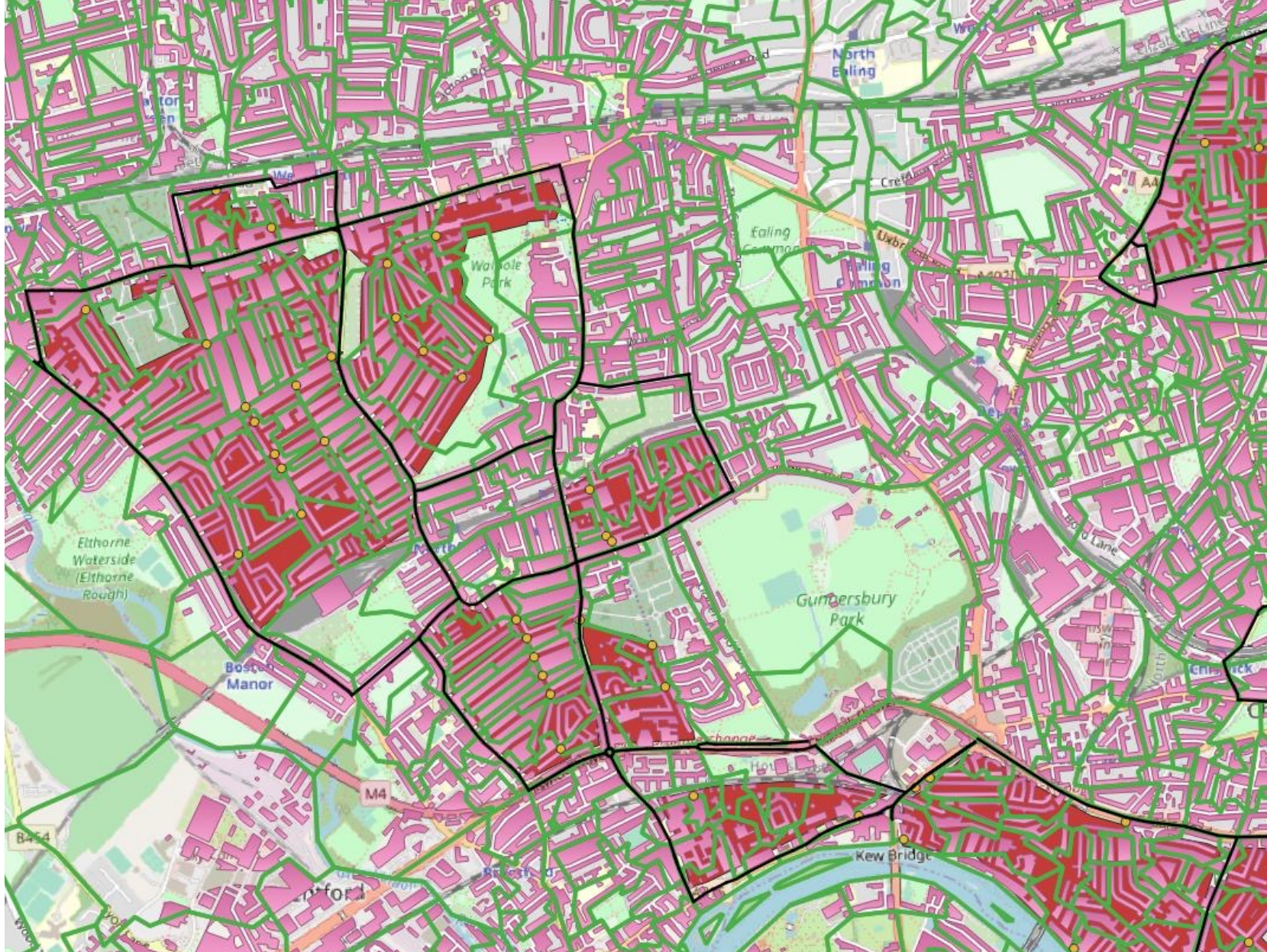
- New LTNs covered 4% of London residents, or just over 300,000 people. In Hackney the figure was as high as one in six, or 17%.
- Of 33 districts, 21 built LTNs, 10 built no LTNs, 2 built LTNs but removed them soon after.
- Across a range of demographic groups, around 9 in 10 Londoners live on primarily residential streets.

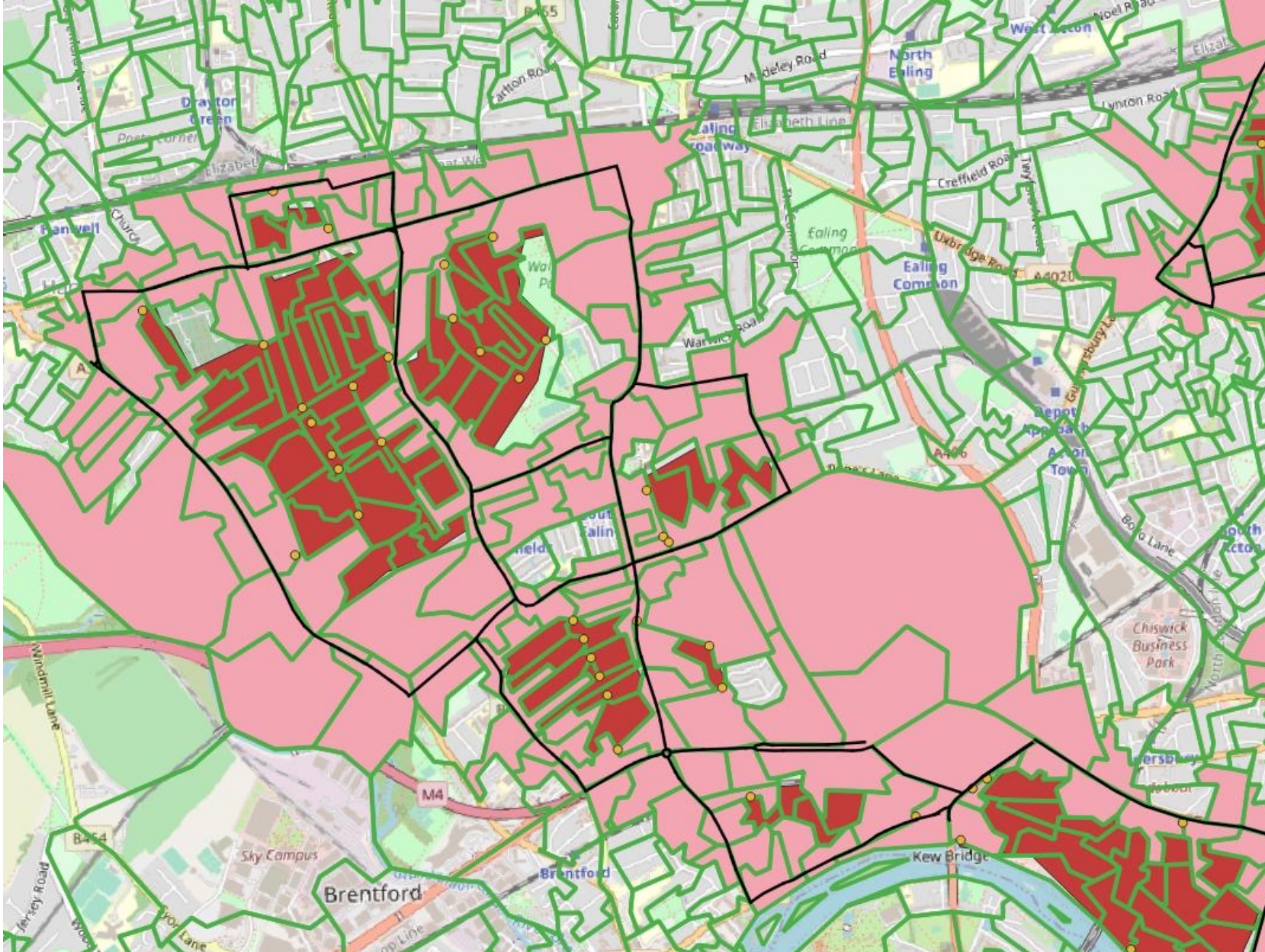
London's New LTNs: March – September 2020

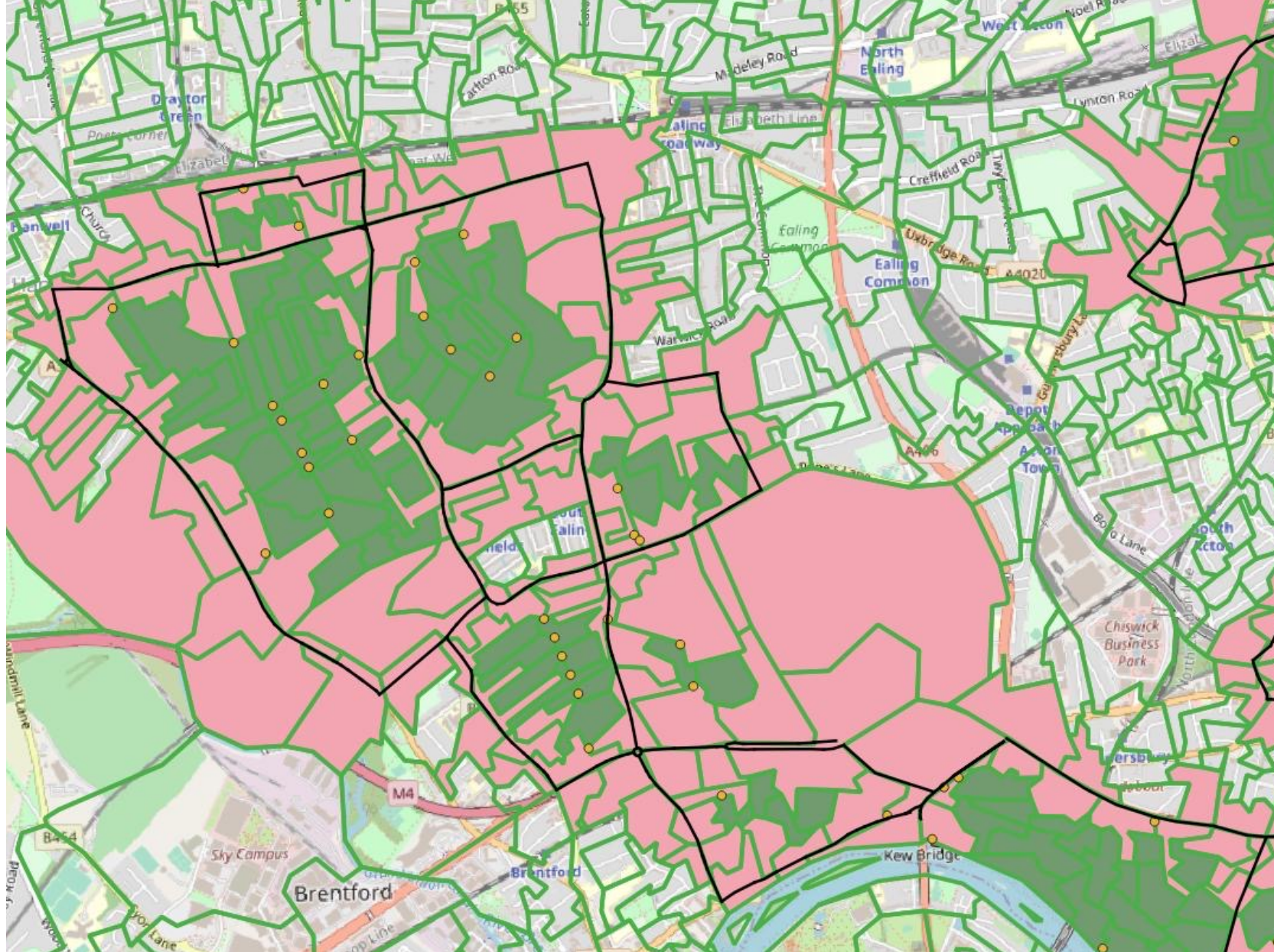
1. With respect to key dimensions of equity (e.g. ethnicity, deprivation), how equitably are LTNs distributed across London?
2. Are there differences between LTNs and nearby surrounding areas in relation to these dimensions of equity?
3. Are any relationships (or lack thereof) observed for London as a whole in (1) also present within individual boroughs?



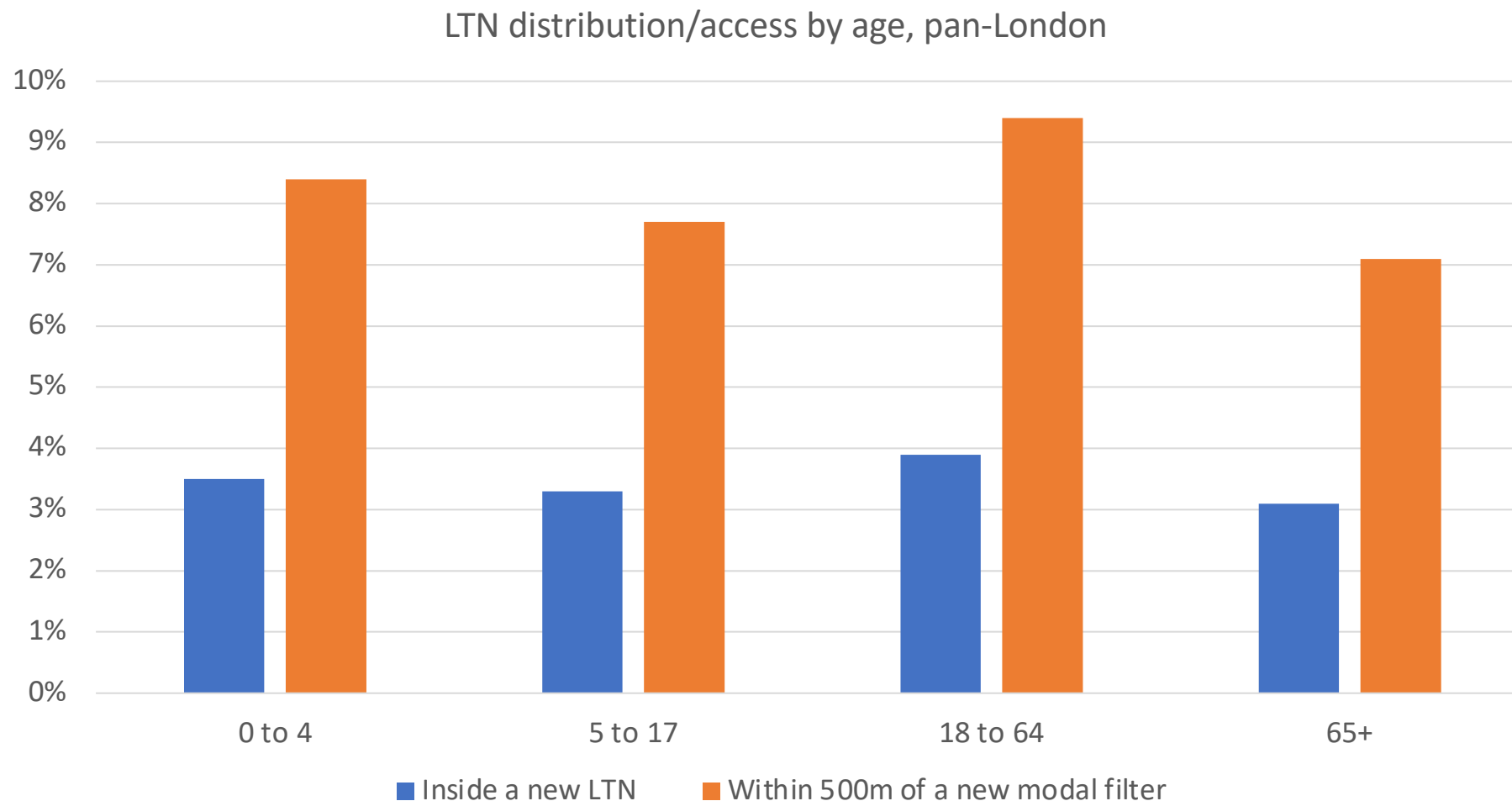




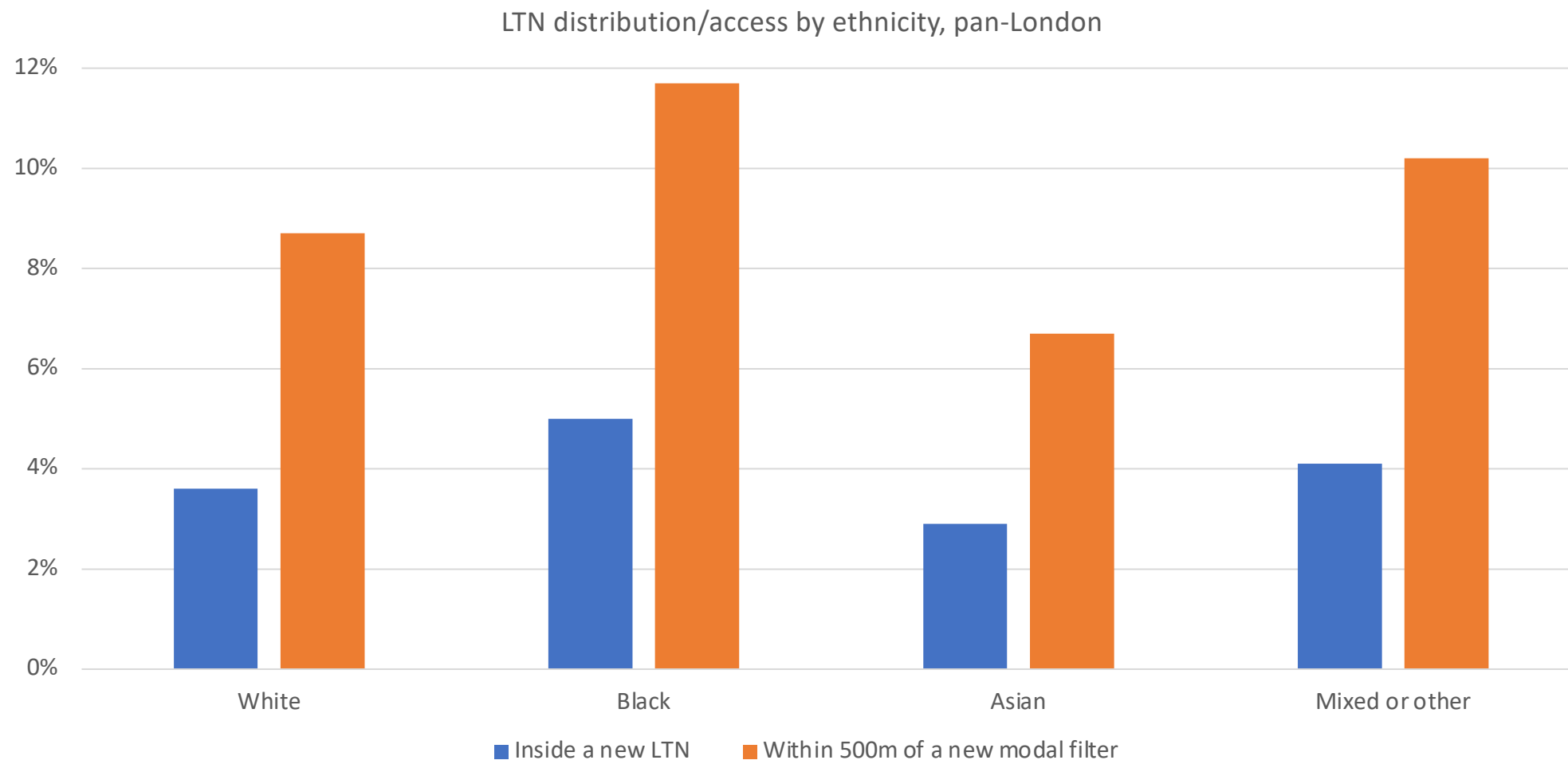




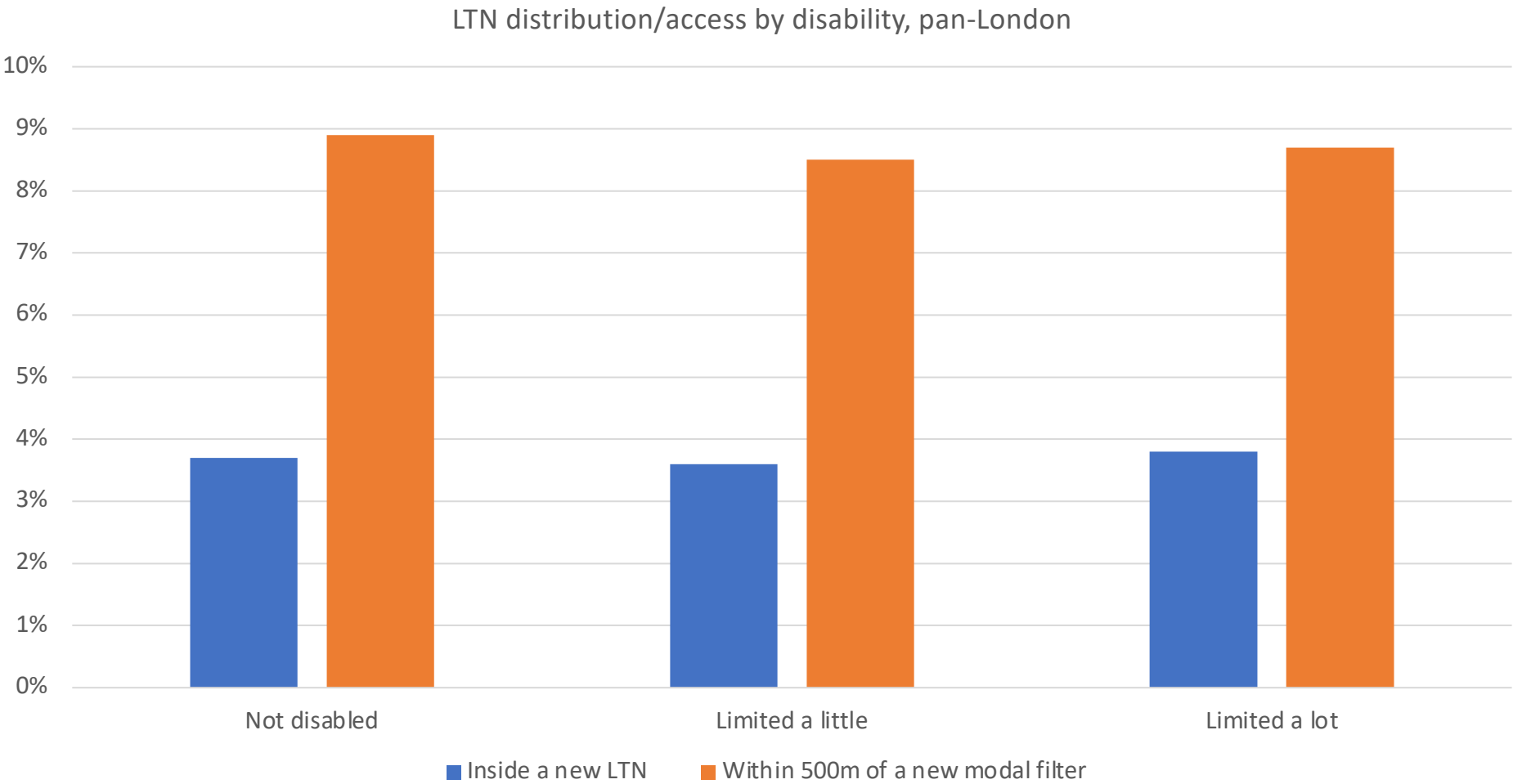
Pan-London Equity



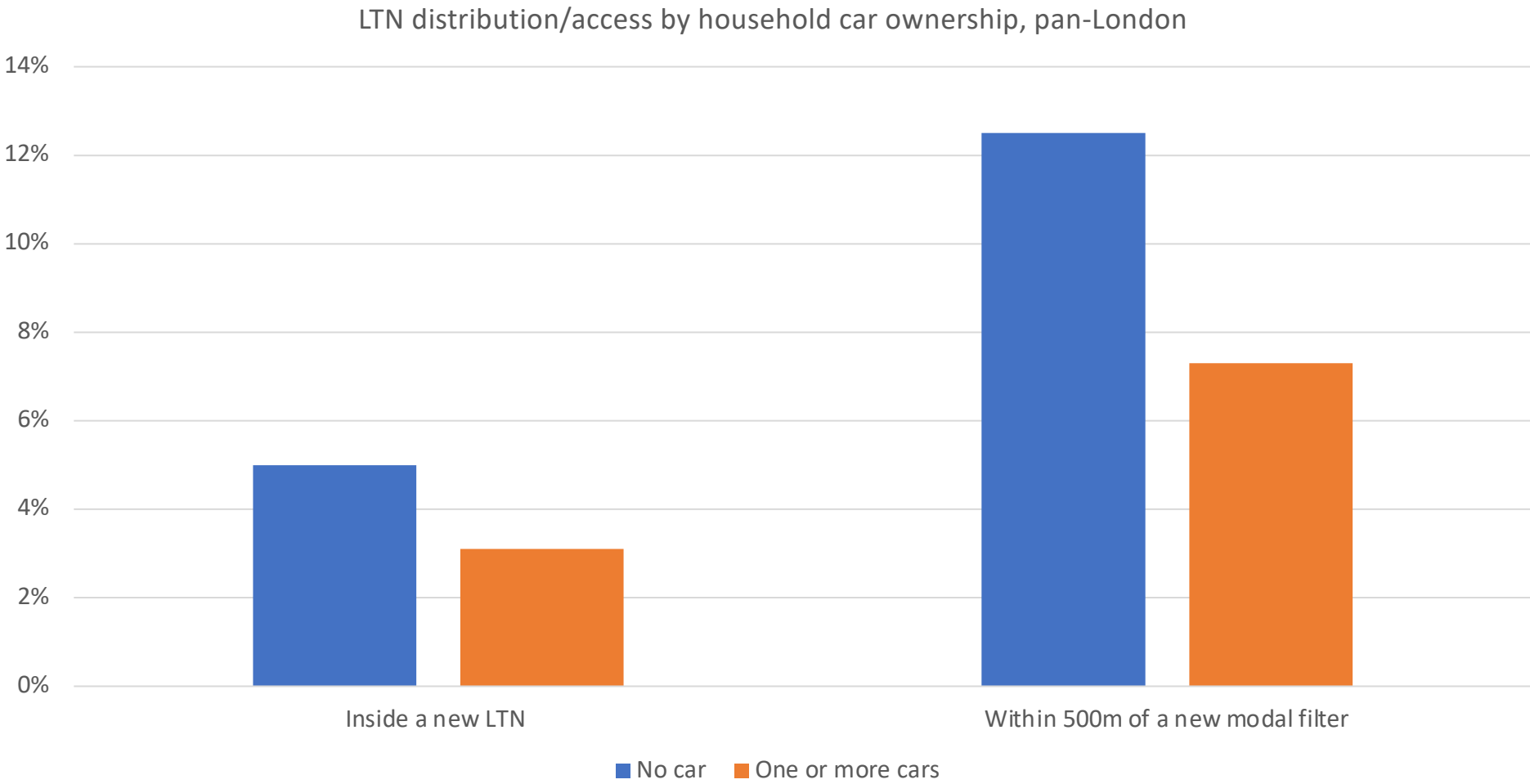
Pan-London Equity



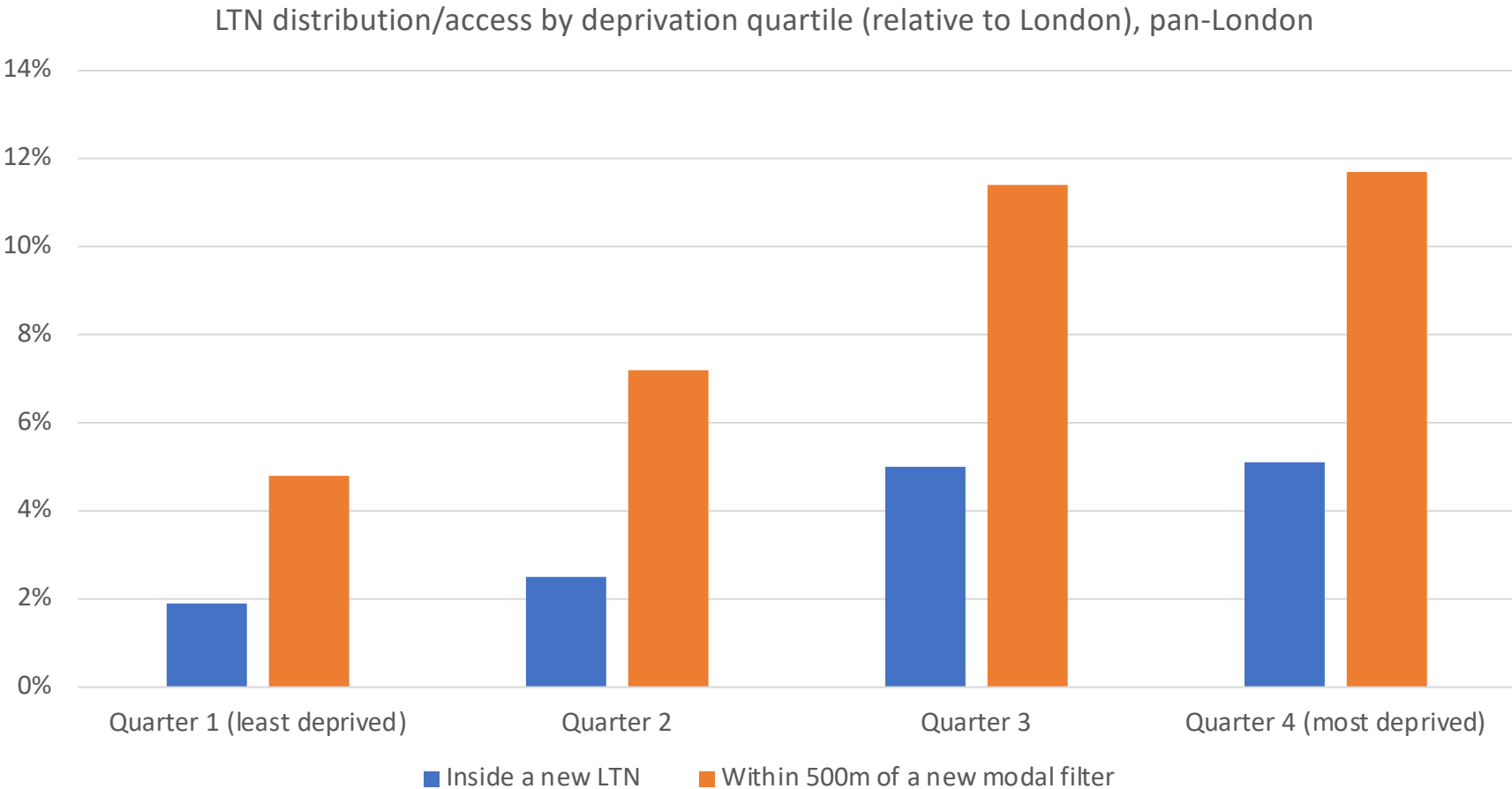
Pan-London Equity



Pan-London Equity

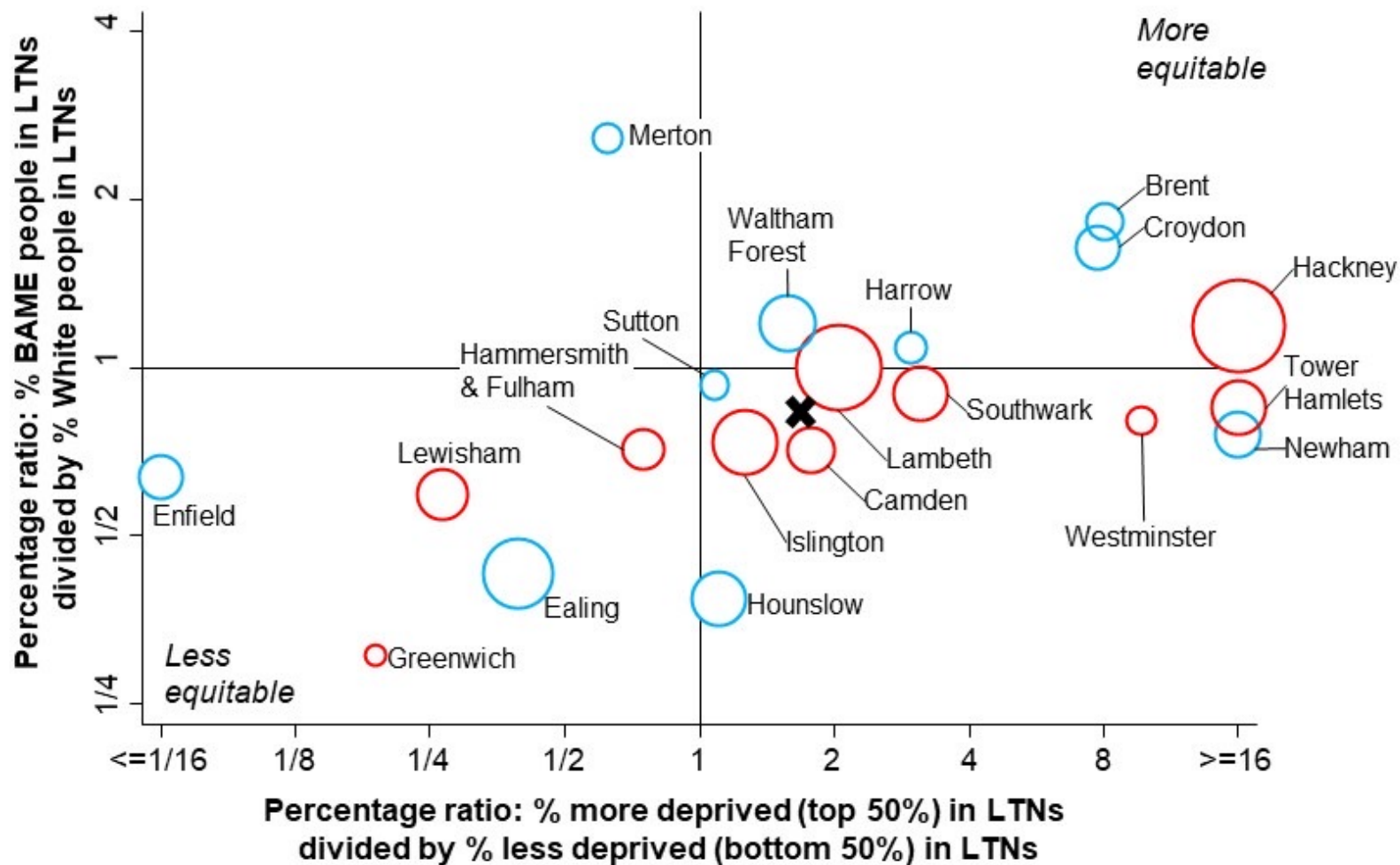


Pan-London Equity



Comparing LTNs to neighbouring areas adjacent to boundary roads

		Living in areas fully inside LTN (N=144,268 individuals)	Living in nearby non-LTN areas that touch boundary roads (N=231,799 individuals)
Age	0 to 4	7.0%	6.9%
	5 to 17	14.0%	12.8%
	18 to 64	69.6%	71.8%
	65+	9.4%	8.5%
Ethnicity	White	58.6%	56.4%
	Black	18.8%	17.2%
	Asian	13.5%	16.6%
	Mixed or other	9.1%	9.7%
Disability	Not disabled	85.7%	86.6%
	Limited a little	7.3%	7.0%
	Limited a lot	6.9%	6.4%
Household car ownership	None	52.6%	54.4%
	1 or more cars	47.4%	45.6%
Area deprivation	Quarter 1 (least deprived)	13.8%	9.3%
	Quarter 2	17.8%	24.5%
	Quarter 3	34.5%	34.3%
	Quarter 4 (most deprived)	33.9%	31.9%



Spatial Equity: March – September 2020 LTNs

“We found that the first wave of LTNs in London has been broadly equitable across London as a whole, and also at the micro-level comparing residents within LTNs to their immediate neighbours. There is, however, considerable variation between districts in the extent to which they have introduced LTNs in a way that is equitable with regard to ethnicity and deprivation. In particular, the district-led approach has left a third of London districts without any LTNs implemented during this period at all[...]

while LTNs may have strong potential to improve equity of access to high-quality active travel infrastructure, our results suggest that this will not automatically happen everywhere. The same may be true for other contexts with devolved governance and is a reason to monitor district-level as well as overall equity when similar initiatives are to be adopted”

Q&A Session

Further thoughts on Spatial Mapping:
Benefits for Air Quality, Communities and
Healthy Streets from Dr. Rachel Aldred



Sign up to our next event!



CRP Lunchtime Launch 6

The ULEZ Expansion: Benefits for Air Quality, Logistics and Healthy Streets

**Thursday 24th June 2021
1:15pm – 2pm**

MAYOR OF LONDON



Thank You



Dr Rachel Aldred
Professor of Transport
University of Westminster
R.Aldred@westminster.ac.uk



Susannah Wilks
Director
Cross River Partnership
susannahwilks@crossriverpartnership.org



Laura Jacklin
Senior Project Officer
Cross River Partnership
laurajacklin@crossriverpartnership.org



www.crossriverpartnership.org



Search 'Cross River Partnership' in YouTube



[@CrossRiverPship](https://twitter.com/CrossRiverPship)



linkedin.com/company/cross-river-partnership/



www.crossriverpartnership.org/newsletter