

Does sharing really reduce car use?

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Three transport revolutions

3R



One million electric vehicles
on Europe's roads today



First autonomous taxi
service 2018?



1/3 of global market growth
for cars replaced by shared
vehicles by 2030

Shared mobility ends congestion

Table 4. **Fleet size for different TaxiBot and AutoVot scenarios**
(% of current Lisbon car fleet, 24-hour weekday average)

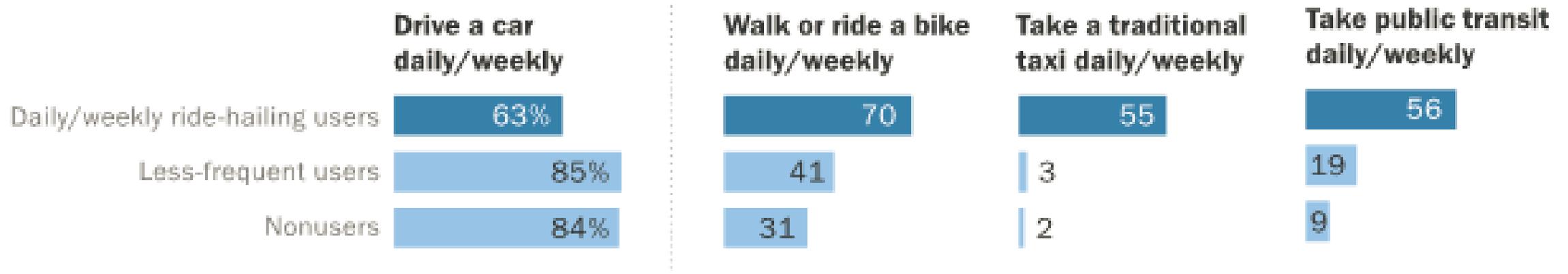
			Fleet size	% of baseline
Baseline			203 000	
100% shared self-driving fleet	Ride sharing (TaxiBot)	No high-capacity public transport	25 917	12.8
		With high-capacity public transport	21 120	10.4
	Car sharing (AutoVot)	No high-capacity public transport	46 249	22.8
		With high-capacity public transport	34 082	16.8
50% private car use for motorised trips	Ride sharing (TaxiBot)	No high-capacity public transport	13 265 + 194 537*	102.4
		With high-capacity Public transport	10 900 + 147 767*	78.2
	Car sharing (AutoVot)	No high-capacity Public transport	22 887 + 194 275*	107.0
		With high-capacity Public transport	18 358 + 148 050*	82.0

Shared taxi cars combined with high-capacity public transport could **remove 9 out of every 10 cars in Lisbon**

Most studies show shared mobility complements public transport

Frequent ride-hailing users less likely to own or drive a car, more likely to use a range of other transit options

% in each group who ...



Pew Research Center, 2015:<http://www.pewinternet.org/2016/05/19/on-demand-ride-hailing-apps/>

Public transport will remain the backbone of urban mobility

Today's shared mobility impact varies depending on location

- Short term challenges will likely occur in the transition to shared mobility.
- There is an uneven adoption of new mobility services across geographical areas

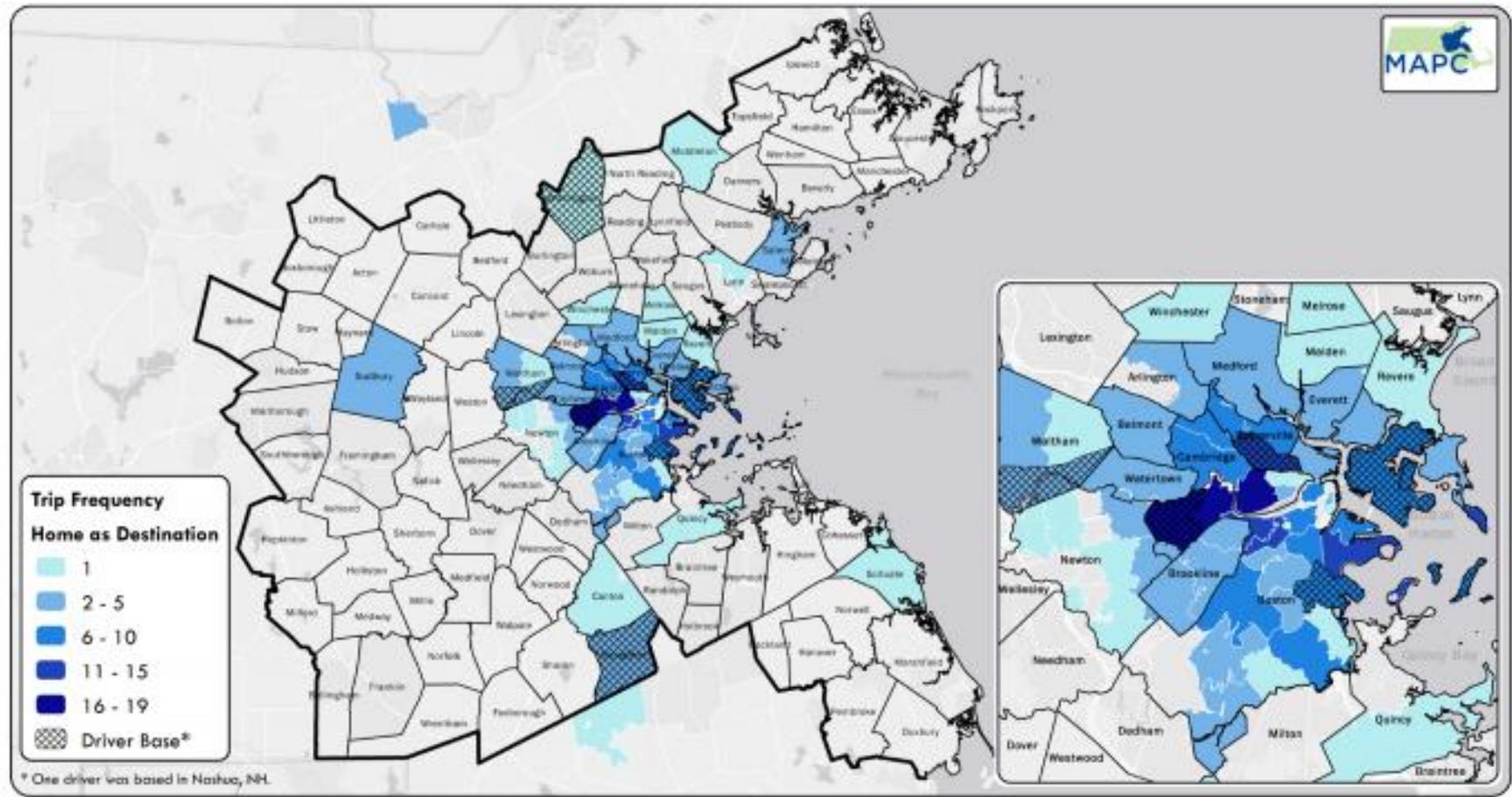


Figure 10. Distribution of trips concluding at the homes of surveyed riders.

Boston

Key enablers to sharing

Integrated and single ticketing

City-level access restrictions

Parking policy

Shared APIs

Fiscal Incentives, Mobility budget

Best Practice Exchange

SIMPLY CHOOSE
HOW YOU WANT TO TRAVEL,
WHIM COVERS ALL RIDES



Whim! app: <https://whimapp.com/>

Recommendations on New Mobility Services

[the new mobility video,](#)

**BMW
GROUP**



MOBILITY
NATION



SIEMENS

**TRANSPORT &
ENVIRONMENT**



zipcar.

T&E recently co-signed a joint paper on New Mobility accessible at:
COMING SOON

GRAZIE PER L'ATTENZIONE 😊

New mobility video