

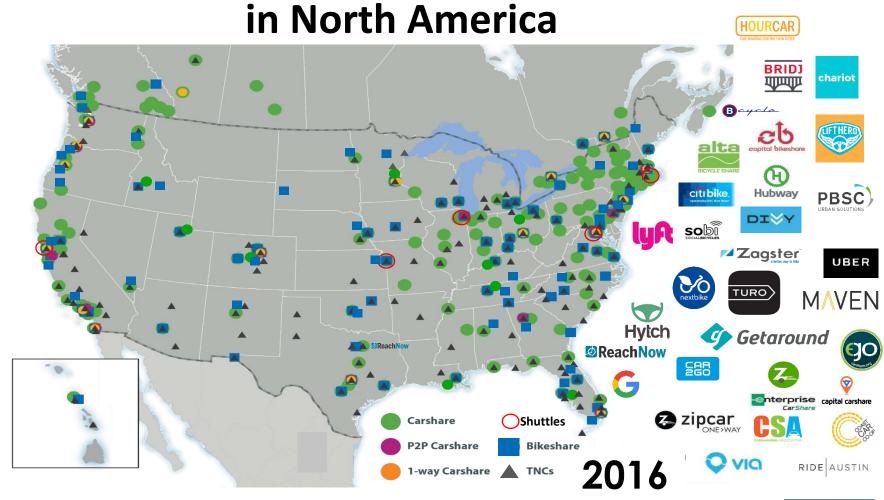
Sharon Feigon, Executive Director sharon@sharedusemobilitycenter.org







Tracking Shared Mobility





Shared Mobility Typology



Public Transit



Ridesharing/Carpooling



Bikesharing



Microtransit Shuttles



Carsharing



Taxis

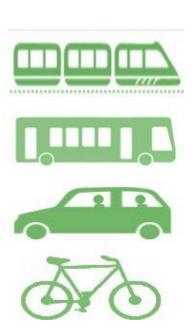


Ride-hailing/ Ride-splitting



Mobility Hubs

Why Do We Need Shared-Use Mobility?



- Reduces reliance on private autos
- Can fill gaps in transit especially weekends and night-time service
- Provide connections between transit stations and timings – first and last mile
- Helps overcrowding on transit
- Can be implemented quickly



New Research: Impacts of Shared Mobility



Shared Mobility and the Transformation of Public Transit



The National Academies of
SCIENCES - ENGINEERING - MEDICINE



Objectives

- Improve understanding and find ways for transit agencies to learn from new tech-enabled mobility services
- Identify opportunities & challenges
- Present strategies & best practices for transit agencies to maximize public benefit

Study cities: Austin, Boston, Chicago, DC, LA, San Francisco, Seattle

Finding 1:

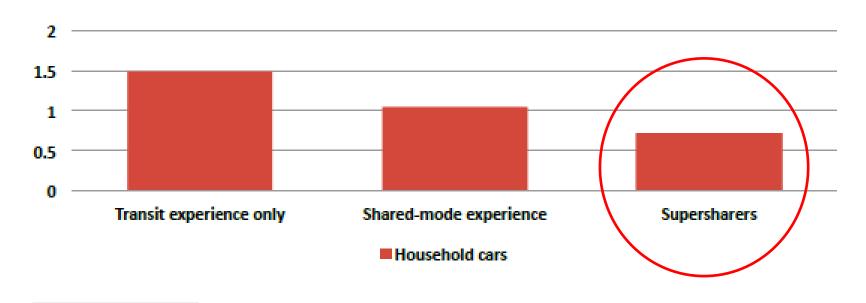
Transportation and Lifestyle

The more people use shared modes, the more likely they are to use transit, own fewer cars, and spend less on transportation overall.



"Supersharers" report greater transportation cost savings and own half as many cars as people who use transit alone.

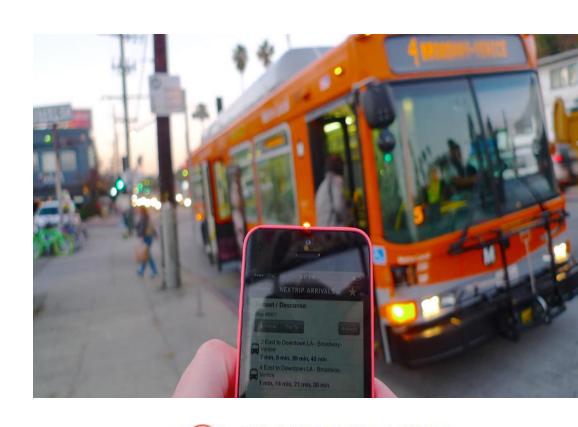
Figure 3: Household vehicle ownership, by shared-mode experience³



Finding 2: Shared Modes and Transit Patterns

Shared modes largely complement public transit, enhancing urban mobility

Transit most competitive in its own right of way with frequent service.





- Ridesourcing services (e.g., Lyft and Uber) are most frequently used for social trips between 10 p.m. and 4 a.m., times when transit runs infrequently or is unavailable.
- Relatively few people (21% of respondents) use ridesourcing to commute—and those who do, do so occasionally, mostly one way trips.





Finding 3:

Emerging Mobility Business Models and Partnerships

 Key areas of collaboration are in microtransit/dynamic demand response; cross-modal trip planning, reservation, and payment application integration; service links and handoffs; and private access to the public way





What is the Shared-Use Mobility Center?





Conducting innovative research and serving as the clearinghouse for shared mobility



Over 50 Cities
Across
North America





Our goal: Eliminate

1,000,000

cars within five years with shared mobility, transit & land use



Benefits Calculator



OUR WORK ABOUT SUMC

Shared Mobility Benefits Calculator

Shared mobility is a powerful tool cities can use to reduce congest

Use the calculator below to explore the benefits of pursuing shared mo of shared modes to account for your specific planning needs, and quick

To reduce personal vehicles by

(4,541 ve

Customize

Target

Vehicle

Reduction

Strategy

and household transportation costs.

arget vehicle reduction goal, view or adjust the optimal mix enting transportation improvements.

Adjust the

Mix of

Modes

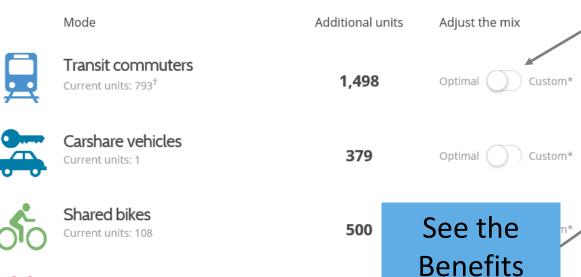
Fewer miles traveled by personal

16.800

Fewer metric tons of GHG emissions related to personal vehicle

\$16,496,900

Saved in personal vehicle transportation costs



5%

Ridesharers/carpoolers

Current units: 8,392[†]

734

Optimal

Custom*

Plan: 100,000 Cars Off the Road in Los Angeles





\$170 Billion in New Funding for Public Transportation from US Cities and Regions

Successful Local Ballot Initiatives included:

- Alameda-Contra Costa CA Measure C1
- BART CA Measure RR
- Los Angeles CA Measure M
- Santa Clara CA Measure B
- Atlanta GA MARTA Sales Tax
- Indianapolis IN Income Tax
- Wake County NC Sales Tax
- Central Ohio Region Sales Tax
- Toledo OH Property Tax
- Charleston SC Sales Tax
- Kitsap County WA Sales Tax
- Seattle Region WA Sales Tax
- Spokane WA Sales Tax





In the Last Year



- More Automaker stakes in shared mobility
- Autonomous Vehicle testing
- Ride-hailing first/last mile partnerships
- On-Demand/Microtransit pilots
- Electric bikesharing growing
- "Grassroots" ride-hailing solutions
- New solutions for seniors
- Mobility on Demand Sandbox
- Labor concerns unresolved







Public Private Partnerships: Examples



First/Last Mile: Publicly-subsidized Uber/Lyft trips within transit service areas (to/from transit hubs)



Payment Integration: Integration between transit and shared mobility services being tested in various US cities



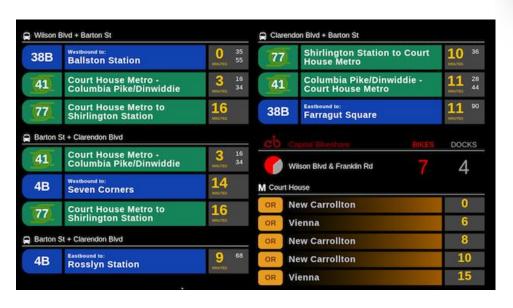
Carpooling/Ridesharing: More private models arising for ride-matching on work commutes, voucher programs for Uber/Lyft through transit-run carpool program, google, waze app



Expanded Services: Concierge services address technology user gaps in niche markets, cash-based payment options



Fare Integration, congestion pricing for shared mobility-incentivize mode shift in real time











Hubs of Modes and Activities

- Public Transit
- Carsharing
- Bikesharing

- Ridesourcing
- Microtransit
- Interactive kiosks

- Bike parking
- EV charging
- Amenities?



The Future: Autonomous/Electric/Shared?

- Highway travel
- Freight
- Land Use

- Autonomous transit
- Insurance
- Operators

- Workforce
- Safety



BE PROACTIVE & SET GOALS

- MAKE MOBILITY THE GOAL and change performance metrics
- INCENTIVIZE scale & equity
- REQUIRE DATA SHARING and address accessibility
- PRIORITIZE bike and pedestrian safety
- PILOT innovative projects to find solutions
- INCREASE VISIBILITY with on-street & marketing
- DEVELOP PARTNERSHIPS and new business models
- CREATE FLEXIBLE POLICIES that can adapt to the changing environment

LEARN TOGETHER:

IT'S ABOUT THE PEOPLE



Thank you

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