TNCs Today:
A Profile of San Francisco Transportation Network Company Activity
Purpose & Data Methodology

- Provide information on number, location, time-of-day in SF
  - Drivers and vehicles
  - Trips
  - VMT (includes in-service and out-of-service)

- Data
  - Gathered by Northeastern University
  - All SF, every 5 seconds for 6 weeks

- Limitations
  - Imputed trips: Not directly observed
  - Intra-SF trips only

- No info on TNC trip purposes, travel party size, fares paid, traveler attributes

- Future SFCTA research will determine how much TNCs contribute to congestion
How many TNCs operate in San Francisco today?

- 45,000 drivers contacted by City
- 21,000 complied with license registration
  - Only 29% are SF residents.
- At peak, approx. 5,700-6,500 vehicles on the road
- 15 times the number of taxis

How many TNC trips are occurring in San Francisco?

- 170,000 TNC intra-SF vehicle trips on typical weekday
- 15% of intra-SF vehicle trips
- Conservative estimate (excludes trips with an end outside SF)
When are TNC trips occurring in San Francisco?

- Varies by day-of-week
  - 222,500 trips on Friday
  - 129,000 trips on Sunday
- Varies by time-of-day
  - During peak when congestion is greatest

Where are TNC trips occurring in San Francisco?

- Concentrated in the densest and most congested parts of San Francisco
- At peak periods, TNCs comprise ~25% of vehicle trips in South of Market.

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How many vehicle miles traveled (VMT) do TNCs generate within San Francisco?

- Intra-SF TNC trips generate at least 570,000 VMT on a typical weekday
- 20% of intra-SF weekday VMT
- 6.5% of total weekday VMT
- TNCs generate less out-of-service VMT per trip

Do TNCs provide a high degree of geographic coverage throughout the entire City?

- Broader coverage across the city than taxis.
- Fewer trips per population and employment in southern and southeastern areas of the city
Future Research

- **TNCs and Safety:** How do TNCs affect the safety of people who use the roads, including transit riders, bicyclists and pedestrians?
- **TNCs and Transit Demand:** How do TNCs complement, compete with, or otherwise affect transit ridership?
- **TNCs and Transit Operations:** How do TNCs affect transit service operations?
- **TNCs and Congestion:** How do TNCs affect roadway congestion, delay, and travel time reliability?
- **TNCs and Disabled Access:** To what extent do TNCs serve people with disabilities?
- **TNCs and Equity:** Can TNCs be accessed by all San Francisco residents including communities of concern?
- **TNCs and Air Quality:** How do TNCs affect air quality emissions?
- **TNC Policies:** What is the role of government in regulating TNCs?
- **TNC Best Practices:** What potential impacts of TNCs have other agencies identified, and what policies have they enacted in response?
Questions?

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