



Telework and Transportation

Presentation to the California Transportation Commission

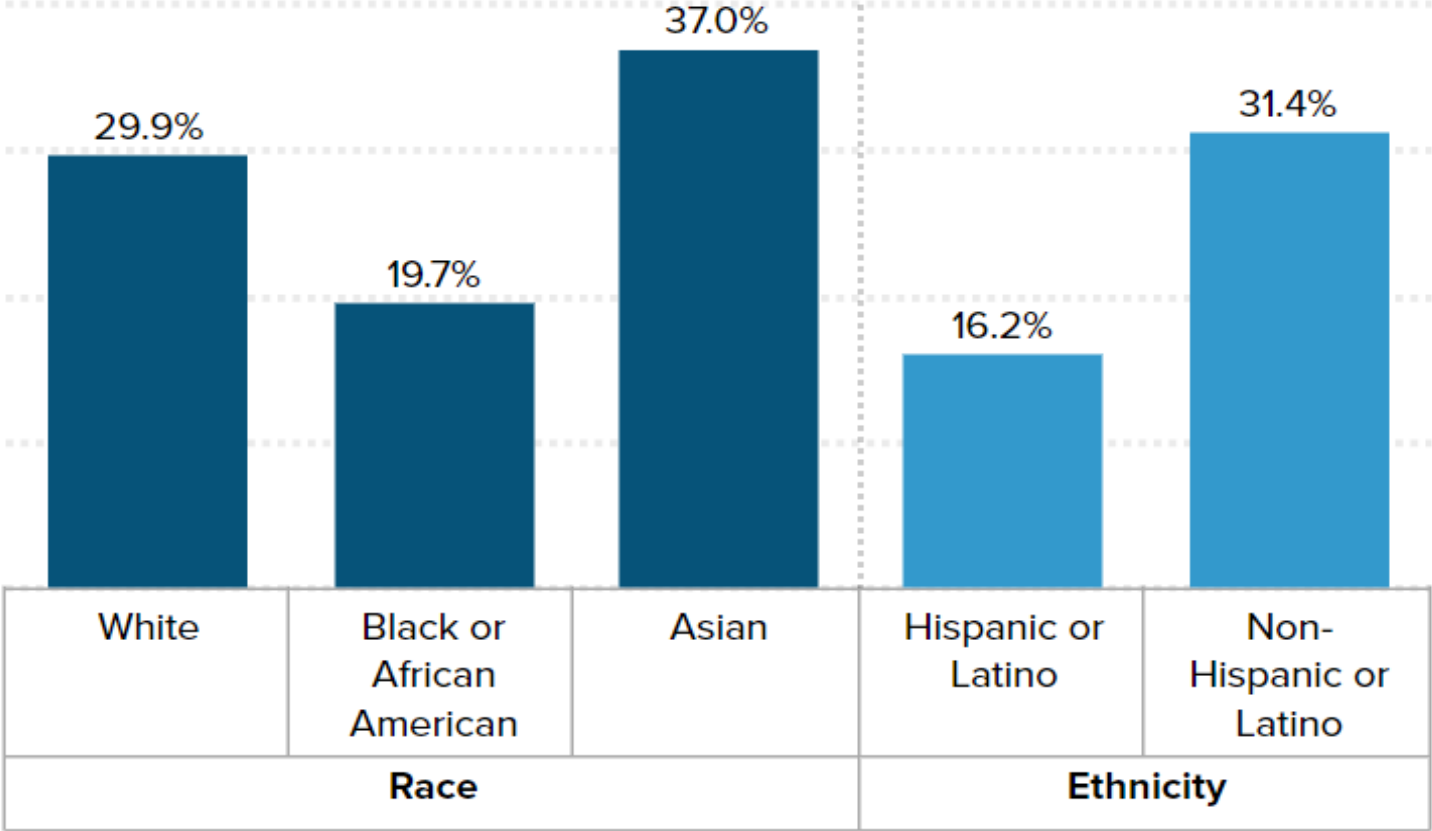
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Opportunities

- **Shelter-in-place requirements** have demonstrated potential for teleworking at scale in both public and private sectors (with important exceptions)
- **Potential Benefits**
 - Reduced GHG and air pollutant emissions through reduced VMT
 - Lower demand on roadway facilities (SHS and other)
 - Provide people with flexibility, reduced commuting cost and time
 - Potential to mitigate impact of high housing cost through reduced commuting
 - Recruiting and retention benefits for both public and private organizations
- **Phases**
 - During recovery / period of suppressed transit ridership
 - Longer term

Work suitable for telework, by race and ethnicity

- National data from the US Bureau of Labor Statistics highlight the correlation between race/ethnicity and work suitable for telework (2017-2018 data)



Work at home and commute travel

- According to the 2015 ACS, approximately 5% of CA workers work from home
- In 2010, 59.5% of home-based workers were in private industry, while 5.6% were government employees (2010 ACS)
- CA Travel Demand Model assumes a 5% teleworking rate as the baseline.
- No experience prior to pandemic demonstrated cross-economy telework

Year 2050 Baseline Travel by Trip Purpose

	Trip Share	Average Trip Length (mi)	VMT Share
Work	19.0%	11.2	24.1%
Non-Work	70.1%	7.4	68.8%
School	10.9%	5.9	7.1%

Source: California Transportation Plan 2050, interim work product (unpublished)

MPO Telework Proposals (pre-pandemic)

- **MTC:** Provide a telework tax credit for those who choose to work from home
- **SACOG:** Create regional plan to accelerate broadband deployment, including a neutral shared infrastructure platform, 5G, and next generation high-speed internet. Plan should help region address the digital divide and be a catalyst for innovation in the region, for businesses, educational institutions, the workforce and government
- **SANDAG:** Launch a regional telework program that provides incentives and technical assistance to support employers with developing formal telework policies and programs
- **SCAG:** Expand research on the future of work to advance strategies supporting technology substitution of physical trips

Administration Activities

- **CalHR:** addressing telework during recovery and beyond
 - **Future Opportunities Task Force:** considering short-and-mid-term recommendations for state work force in short and mid term, addressing technology, training, space needs and other topics
 - **Governor's Recovery Task Force**
 - CalEPA team leading on telework elements
 - Conducting survey of private partners re existing telework policies, anticipating follow up on forward-looking plans
- ➔ Likely channel for CTC/Caltrans to provide input to wider effort

Considerations for Further Conversation with Commissioners

- **Potential for telework to yield benefits**
 - Commute as share of VMT
 - Overall travel changes for households with teleworking
- **Impacts on people teleworking**
 - Challenges associated with absence of in-person interaction; risk of isolation
 - Implicit assumption of appropriate work space at home
 - Challenge of integrating new employees into teams and organizations
- **Broader opportunities to switch travel habits and gain benefits**
 - Other travel modes - ebikes, walk, bike during recovery
 - Expand to wider “digital substitution,” such as tele-medicine
- **Expand remote access focusing on under-served and disadvantaged communities**



Discussion with Commissioners