

**Transit Exposure during pregnancy: Simulated Exposure measurement during different mode of transit in Fresno; walking, driving, and riding Metro busses.  
Part of the CHAPS-SJV (Children's Health to Air Pollution-SJV) Study**

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**Background:** As part of the Children's Health to Air Pollution Study (CHAPS-SJV), Fresno State is participating the multi-institutional collaborative research program with University of California, Berkeley, School of Public Health and Stanford University. The study aims to assess the impact of the built environment on transit use in Fresno, and to assess the impact of transit use on personal exposures to PAHs (Polycyclic Aromatic Hydrocarbons, Fine Particulate Matters (PM<sub>2.5</sub>) and Black Carbons (BC). The simulated personal exposure will be measured in different scenarios; walking, driving, and riding Metro busses.

**Methods:** A group of students will be trained how to measure personal exposure to various particulate air pollutants for the ongoing epidemiological study (CHAPS-SJV). The research will be presented and published with qualified students as coauthors. The activity will be used to develop the course curriculums in EOHS and Public Health students. Investigator will use the results to apply external research funding.