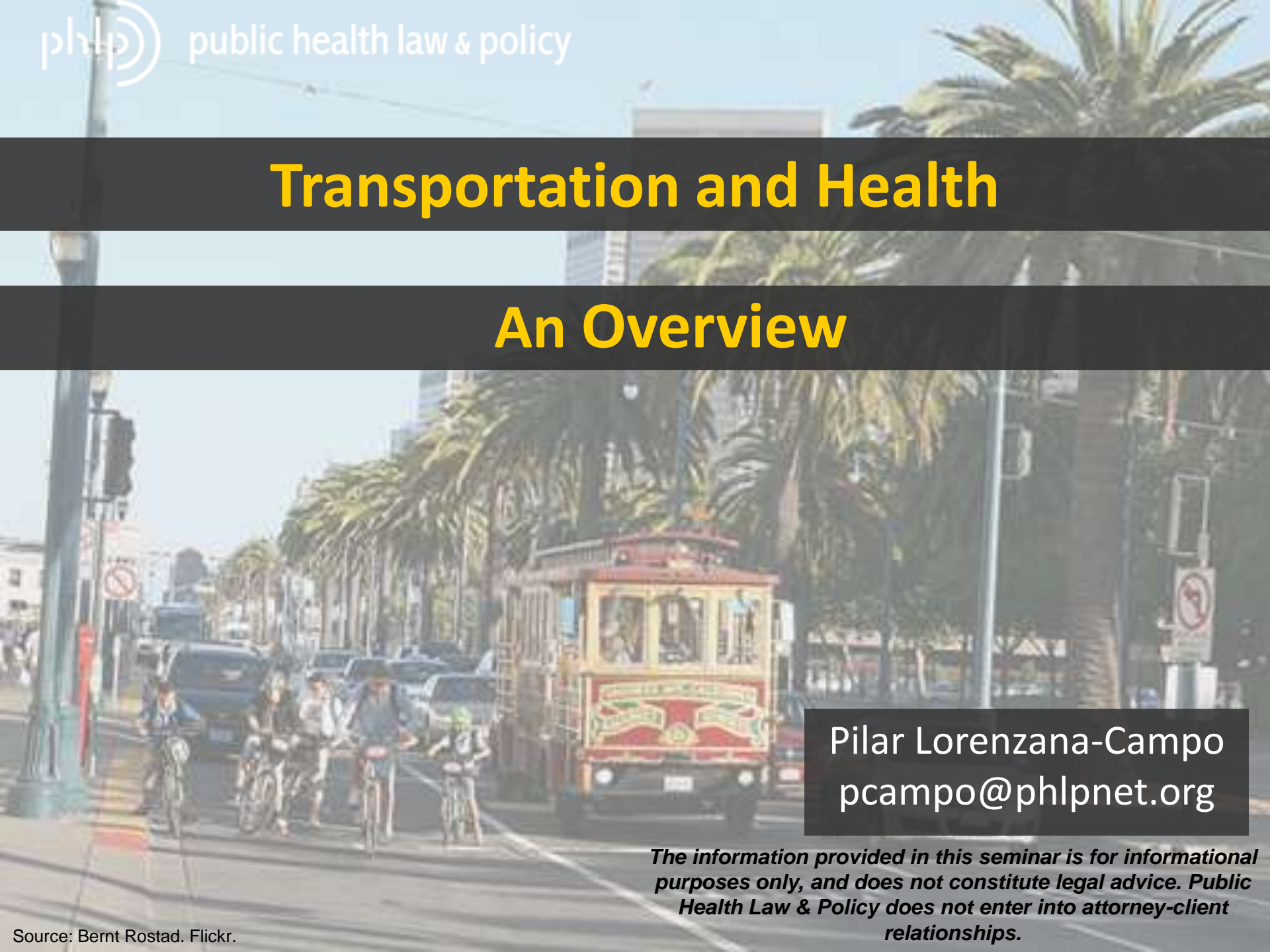


Transportation and Health

An Overview

A street scene in San Francisco featuring a cable car, cyclists, and palm trees. The cable car is yellow and red, with "CABLE CAR" written on its side. It is moving along a street lined with palm trees. In the foreground, several cyclists are riding their bikes. The background shows a city street with buildings and a clear blue sky.

Pilar Lorenzana-Campo
pcampo@phlpnet.org

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Environmental pollutants



Children who live or go to school near heavily trafficked roads
have **increased rates of asthma**

Kim JJ, Smorodinsky S, Lipsett M, Singer BC, Hodgson AT, Ostro B. 2004. Traffic-related air pollution and respiratory health: East Bay Children's Respiratory Health Study. *American Journal of Respiratory and Critical Care Medicine* 170:520-526

Children are **13X**
more likely to
be injured on a
street like this.



*Development
patterns*



Almost **1/3** of Americans who commute to work via public transit meet their daily requirements for physical activity by **walking as part of their daily life**



L. Besser and A. Dannenberg, *Walking to Public Transit: Steps to Help Meet Physical Activity Recommendations*, Vol. 32, Issue 4, *American Journal of Preventative Medicine*, at 273-280 (November 2005).

Image Source: www.pedbikeimages.org



Complete Streets

Health Impact Assessment

- ✓ Based on scientific evidence
- ✓ Health perspective for decision making
- ✓ Meaningful participation for non-traditional partners (local coalitions, public health advocates)
- ✓ Health co-benefits for public/private partnerships

HIA framework for TOD

Existing Places in the Planning Area 規劃地區內現有的地點 Những Địa Điểm Hiện Có Trong Khu Vực Quy Hoạch

- ✓ Public transportation
- ✓ Housing
- ✓ Economic Development
- ✓ Parks and Open Space
- ✓ Public Safety



Metric: Active Mobility

Indicator → Health Outcomes → Data Sources

- ✓ Pedestrian and Bicycle features
- ✓ Walking and biking (seniors, children)
 - ✓ Walking Survey (Coalition)
 - Existing Conditions Report (City)
 - EIR's of adjacent projects (City)

Metric: Housing Affordability

Indicator → Health Outcomes → Data Sources

✓ Average number of people per household

✓ Overcrowding

✓ Census (Federal)
Existing Conditions Report (City)



Interim HIA Impacts

- ✓ Build capacity to engage in technical planning process
- ✓ Preliminary health assessments of proposed concepts
- ✓ Analysis on preferred plan subject to EIR

Ultimate HIA Impacts

- ✓ Health part of all planning decisions
- ✓ Participatory planning process
- ✓ Transit investment that is data and context driven

Thank you!

Pilar Lorenzana-Campo
pcampo@phlpnet.org

www.phlpnet.org