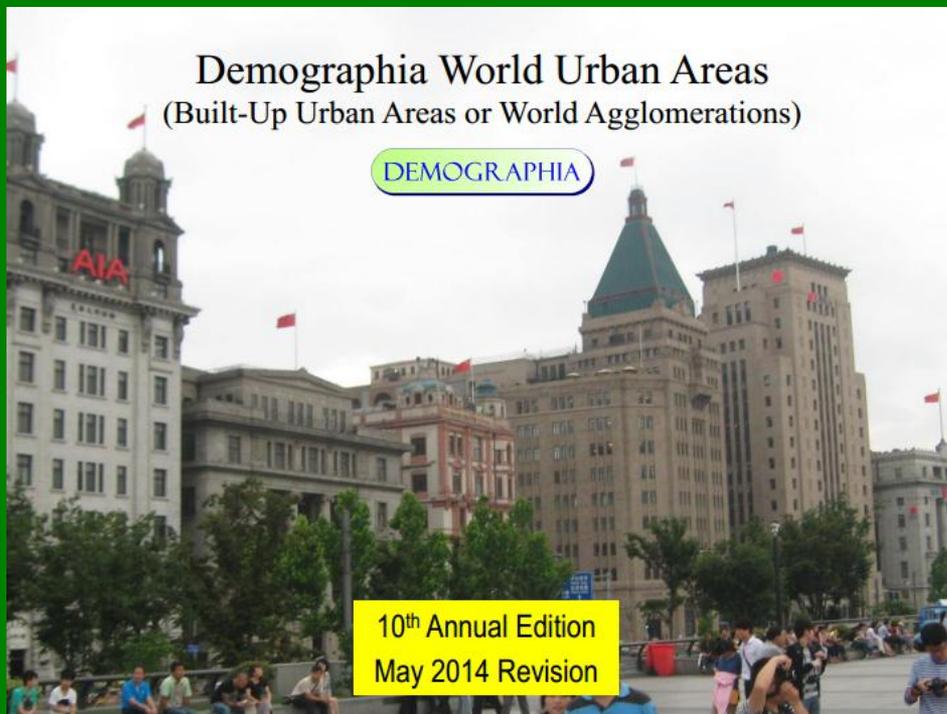


Review of New Rail Cities: United States

DEMOGRAPHIA

Wendell Cox
THNS 2014
1 November 2014
Tonji University
Shanghai

Los Angeles



DEMOGRAPHIA

10th Annual Demographia International Housing Affordability Survey: 2014

Ratings for Metropolitan Markets

Australia • Canada • Hong Kong • Ireland
Japan • New Zealand • Singapore
United Kingdom • United States

With an Introduction by
Alain Bertaud, Urbanist
Stern School of Business, New York University
Former Principal Planner-The World Bank

Data for 3rd Quarter 2013

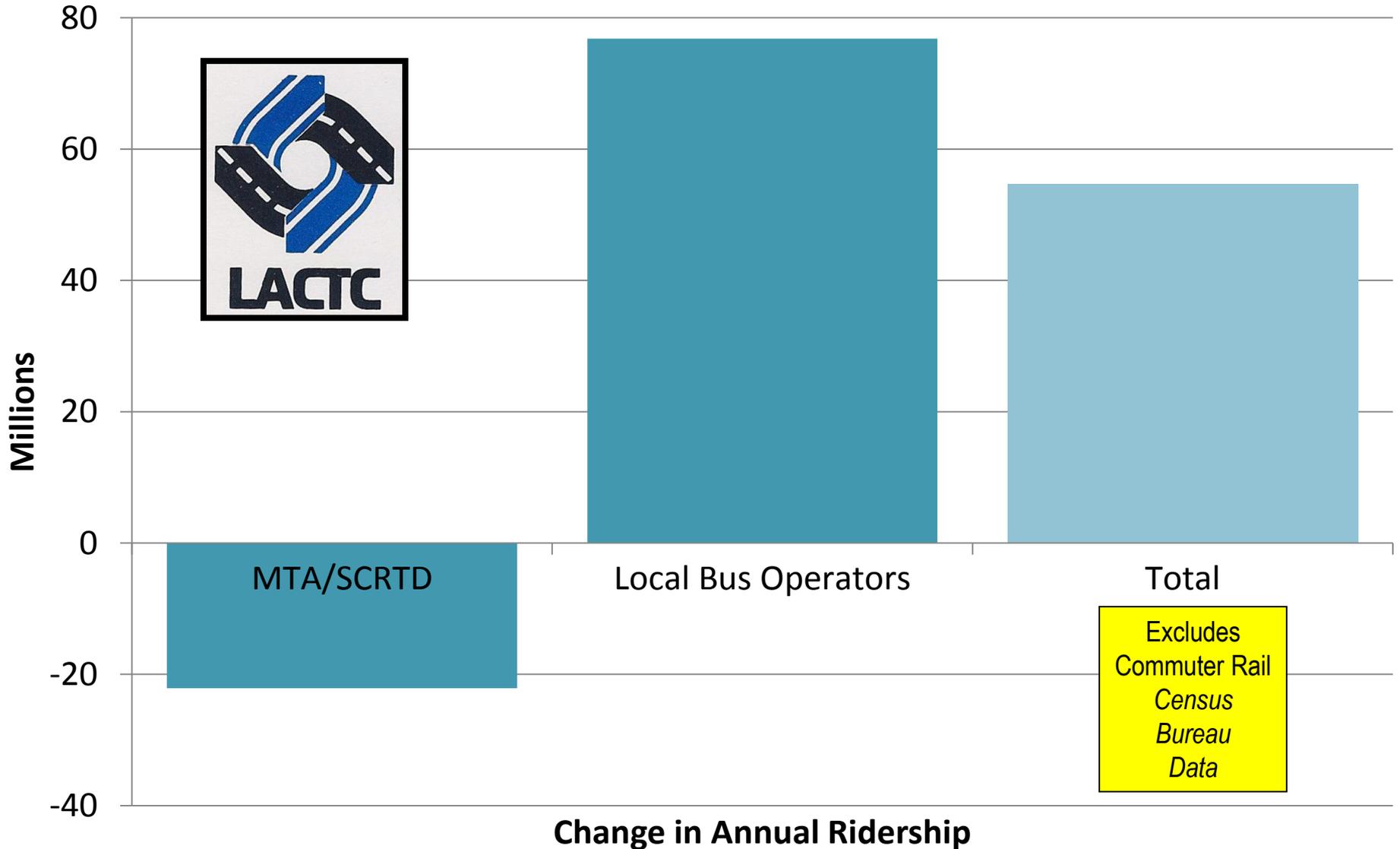
exploring solutions...

www.PerformanceUrbanPlanning.org

Performance Urban Planning

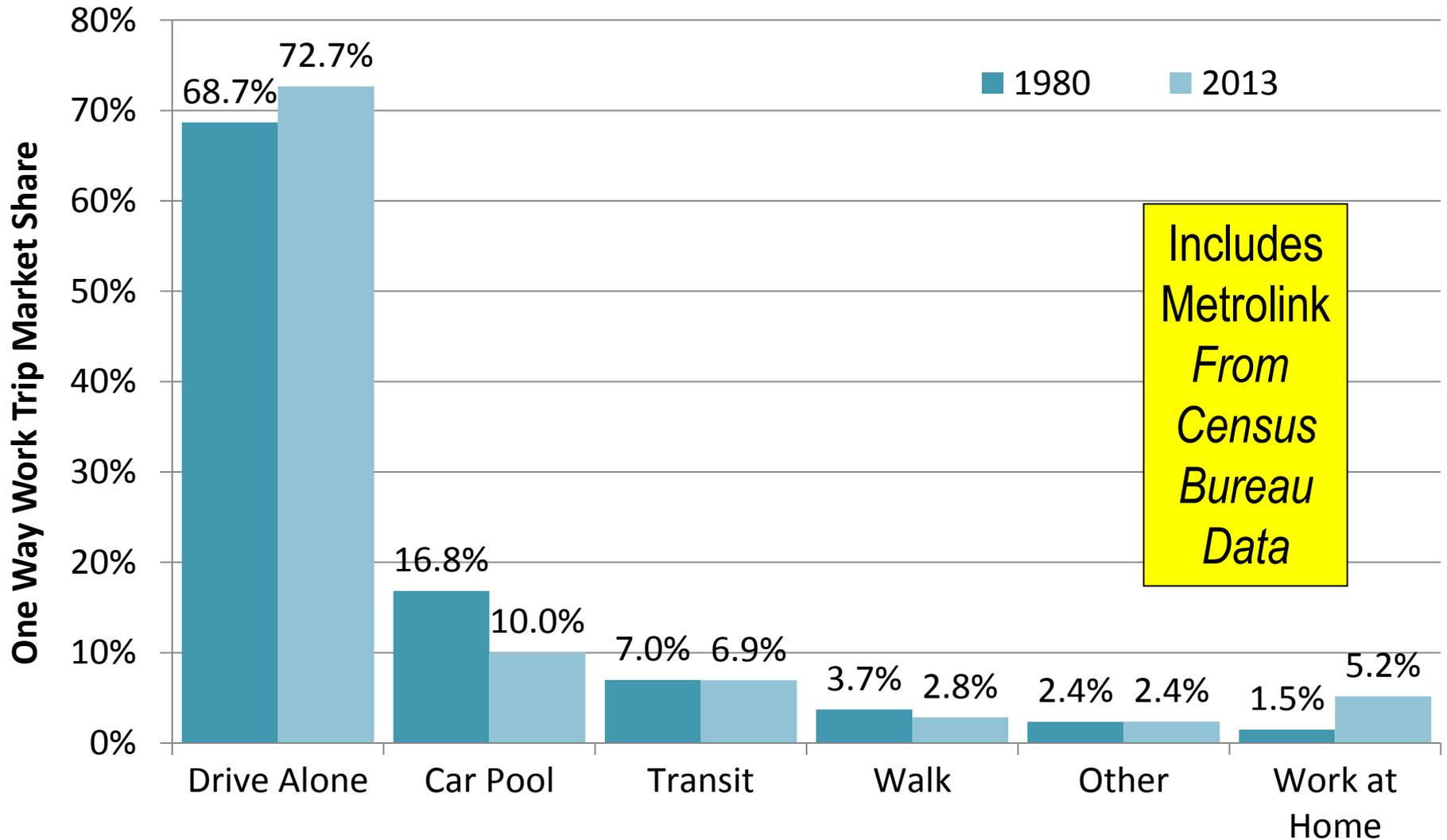
Los Angeles County Transit: 1985-2012

CHANGE IN RIDERSHIP: BUS & RAIL (BOARDINGS)



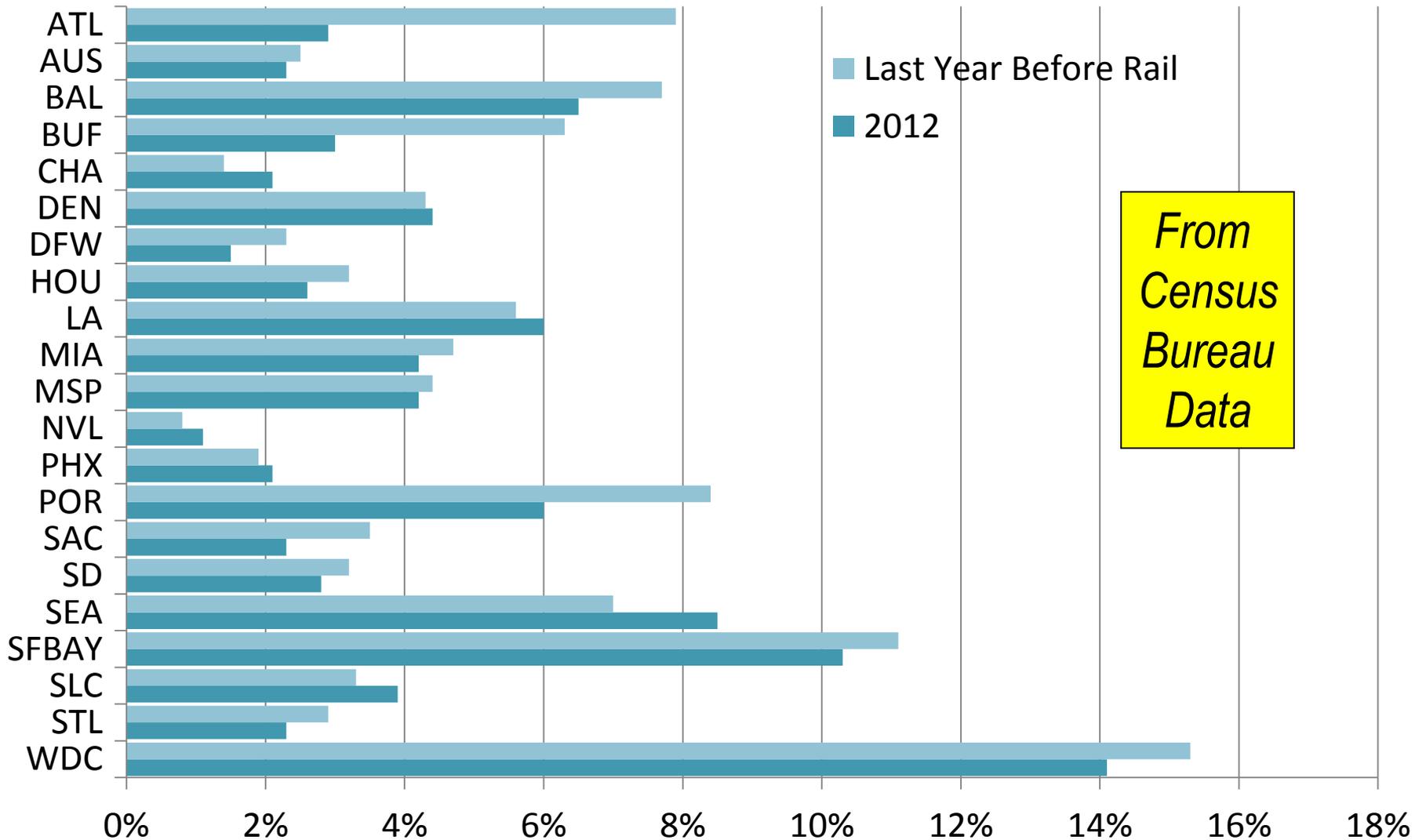
Work Trip Share: L.A. County: 1980-2013

CHANGE IN SHARE



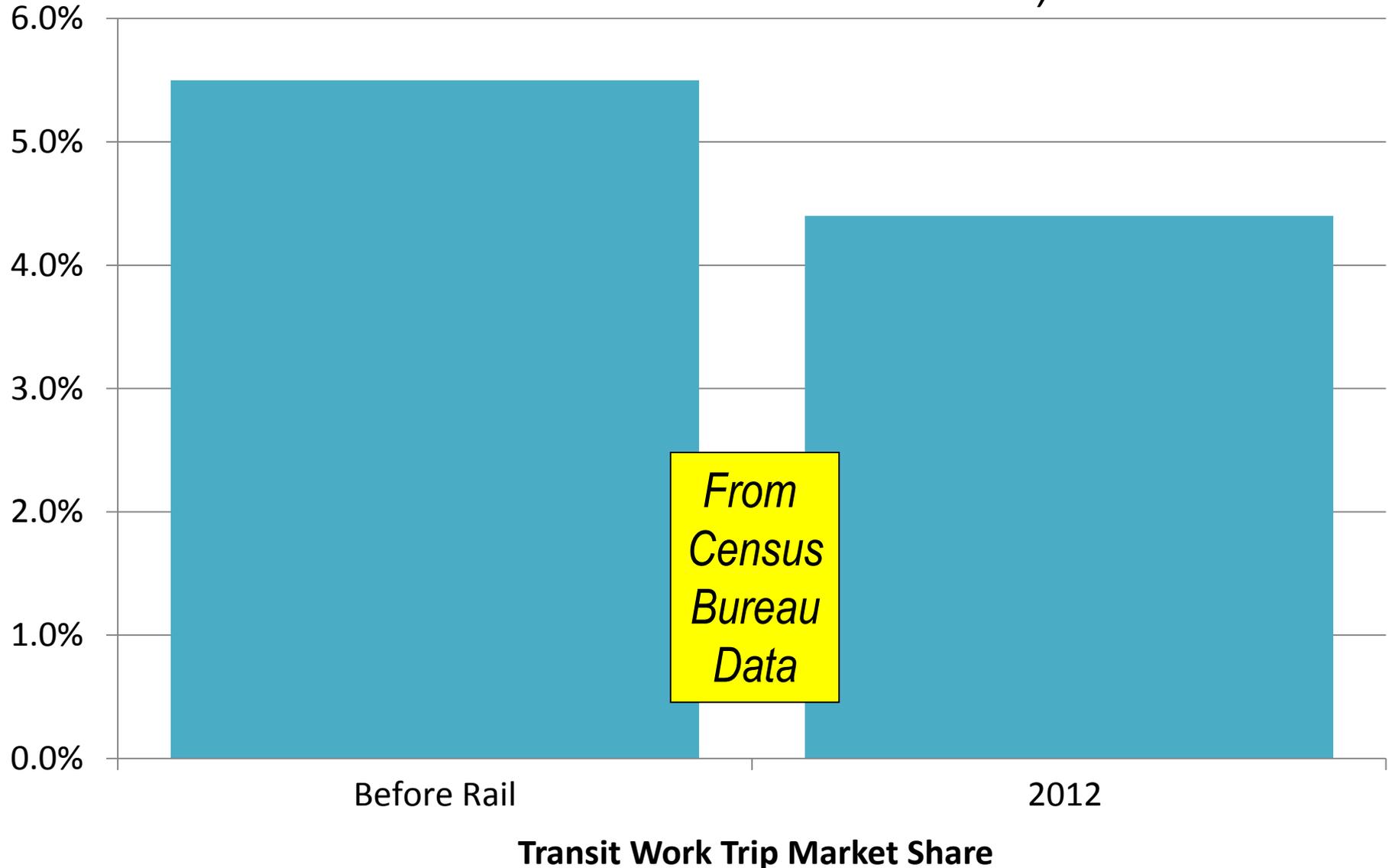
Transit Work Trip Share: New Rail Cities

BEFORE RAIL TO 2012: METROPOLITAN AREAS



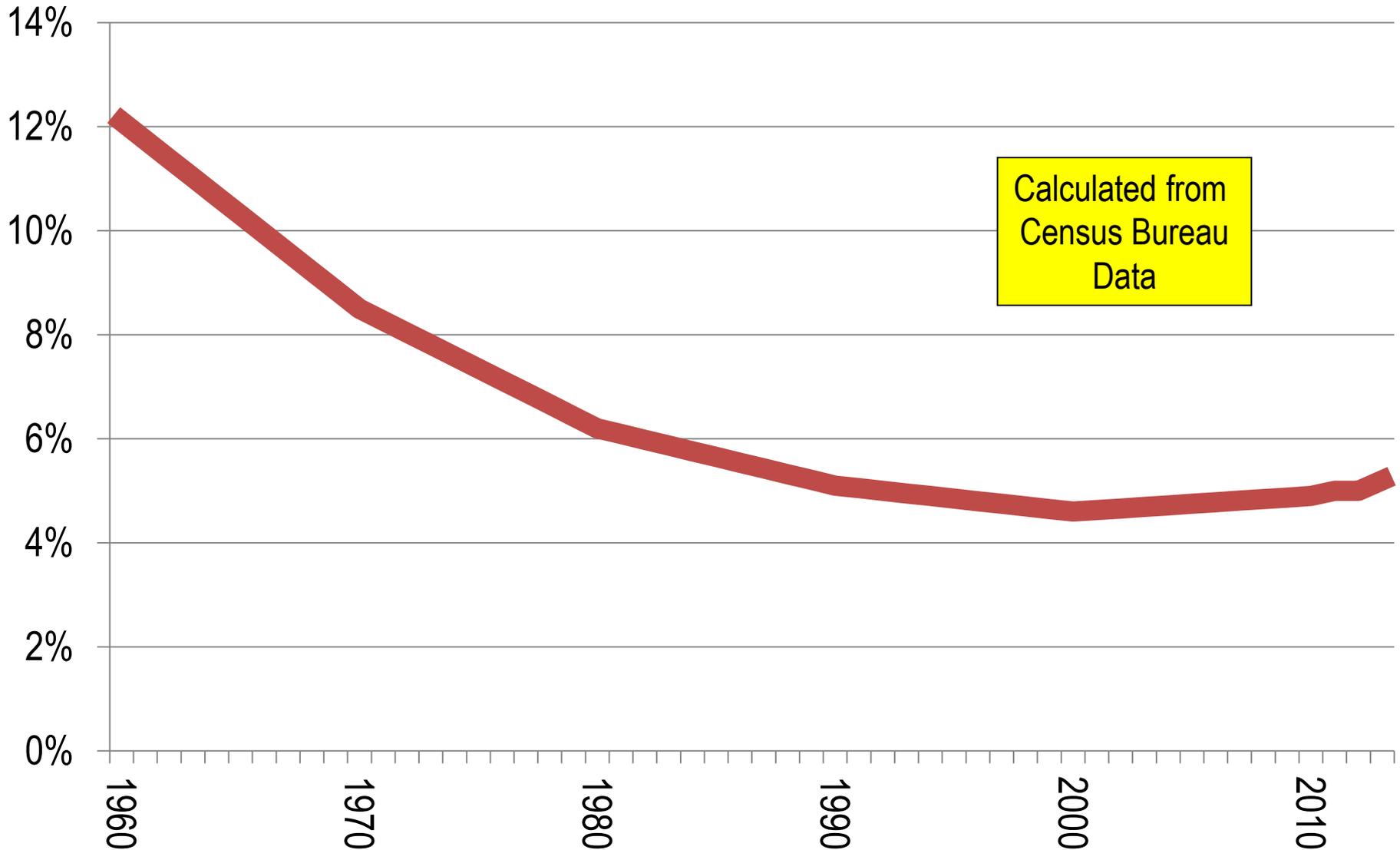
Transit Work Trip Market Share: 21 Cities

FROM BEFORE RAIL TO 2012)



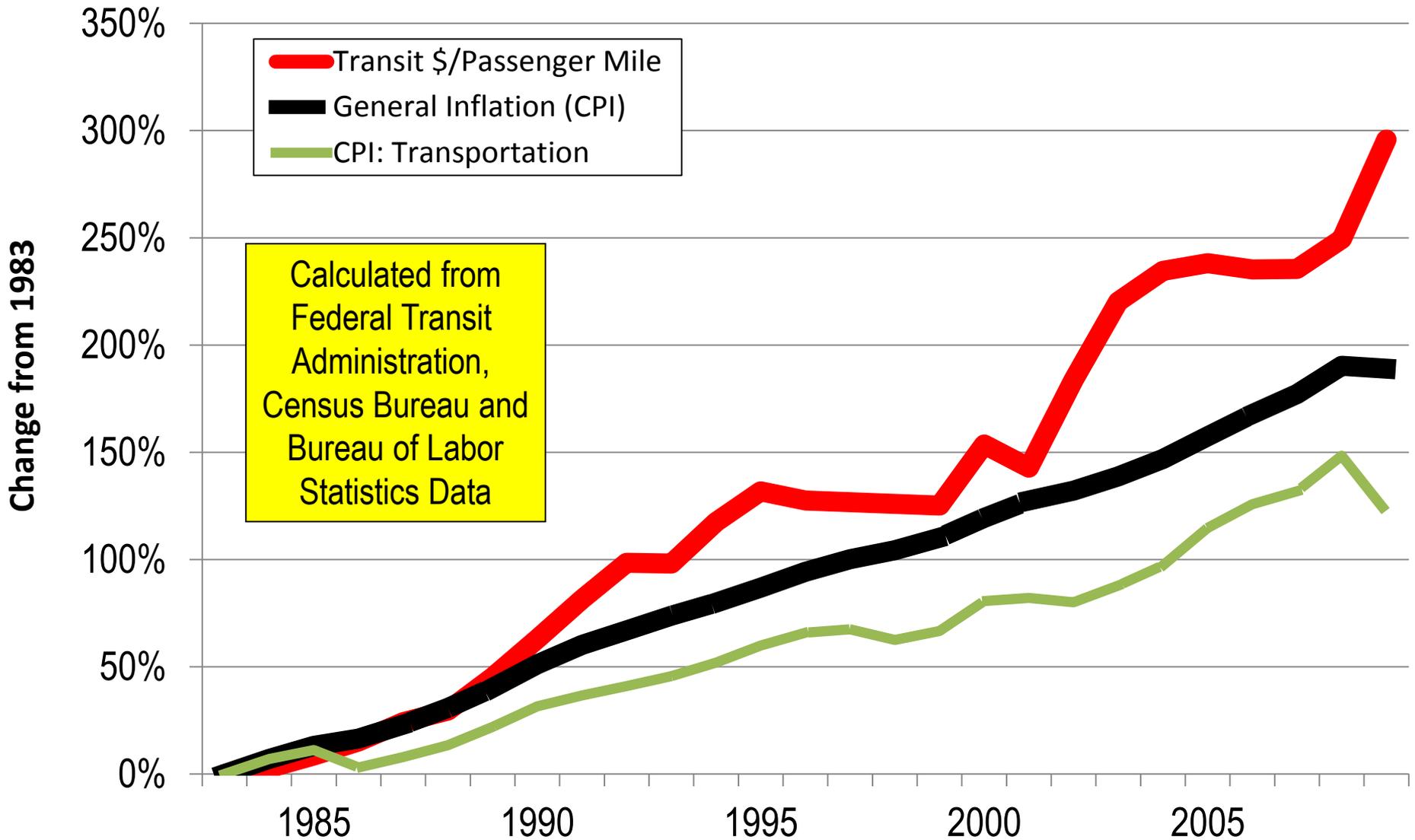
Transit Commute Share: 1960-2013

UNITED STATES AVERAGE



Transit Expenditures & Inflation

COMPARED TO MAJOR CPI ELEMENTS: 1983-2009



DEMOGRAPHIA

CITY SECTORS

PRE-AUTO URBAN CORE

Not auto exurban
7,500 + Density &
20%+ Transit, Walk,
Bike Market Share
& other areas with
median year house
built before 1946

AUTO SUBURBAN: EARLY

Not auto exurban
Median house built
1946 to 1979

AUTO SUBURBAN: LATER

Not auto exurban
Median house built
1980 & later

AUTO EXURBAN

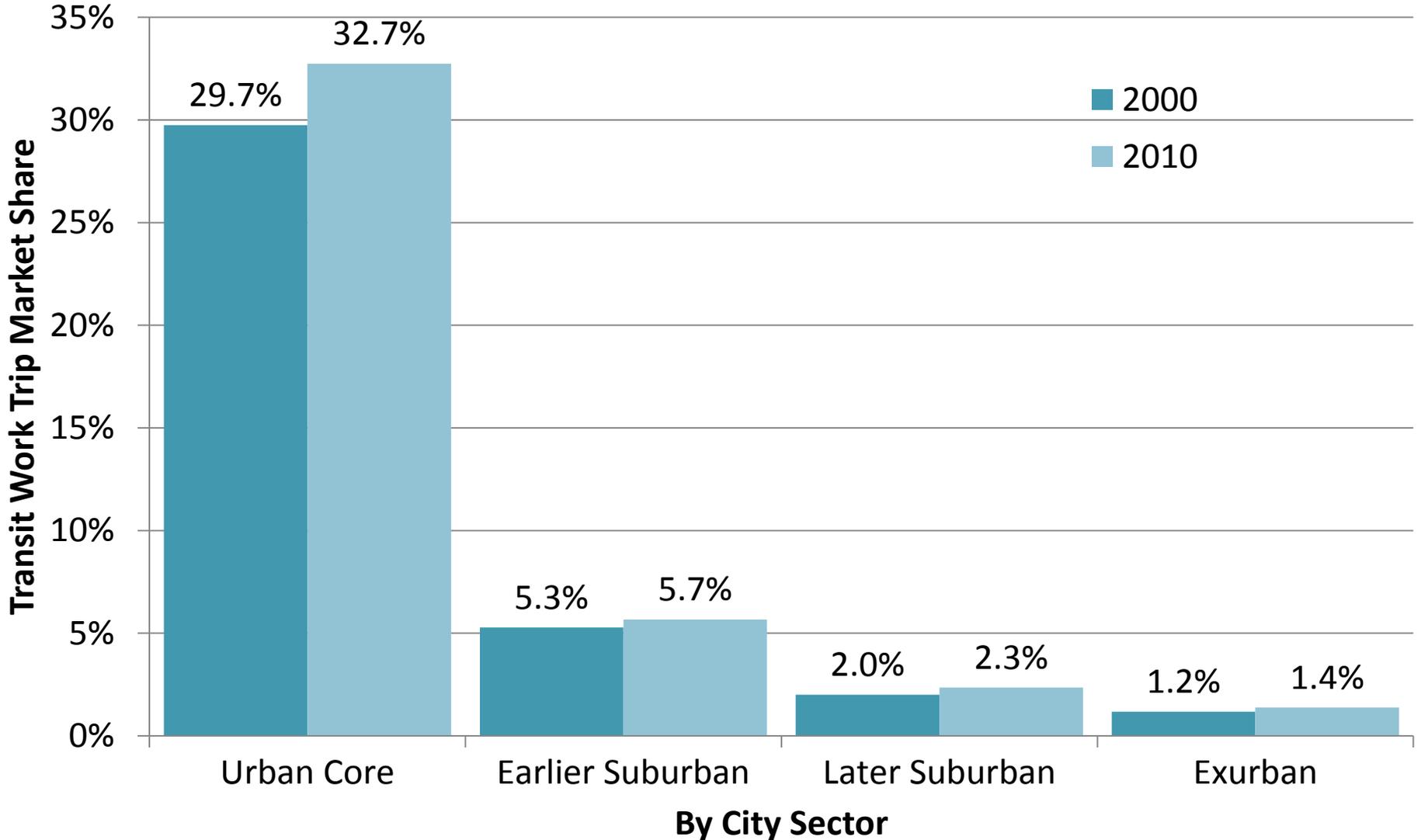
Outside principal
urban area or
population density
under 250
regardless of
median year
structure built.

← PHYSICAL CITY (URBAN AREA) →

←-FUNCTIONAL CITY (METROPOLITAN AREA OR LABOR MARKET) →

Transit Market Share: 2000 & 2010

CITY SECTORS: MAJOR METROPOLITAN AREAS



Population by Functional Sectors

52 MAJOR METROPOLITAN AREAS: 2000-2010

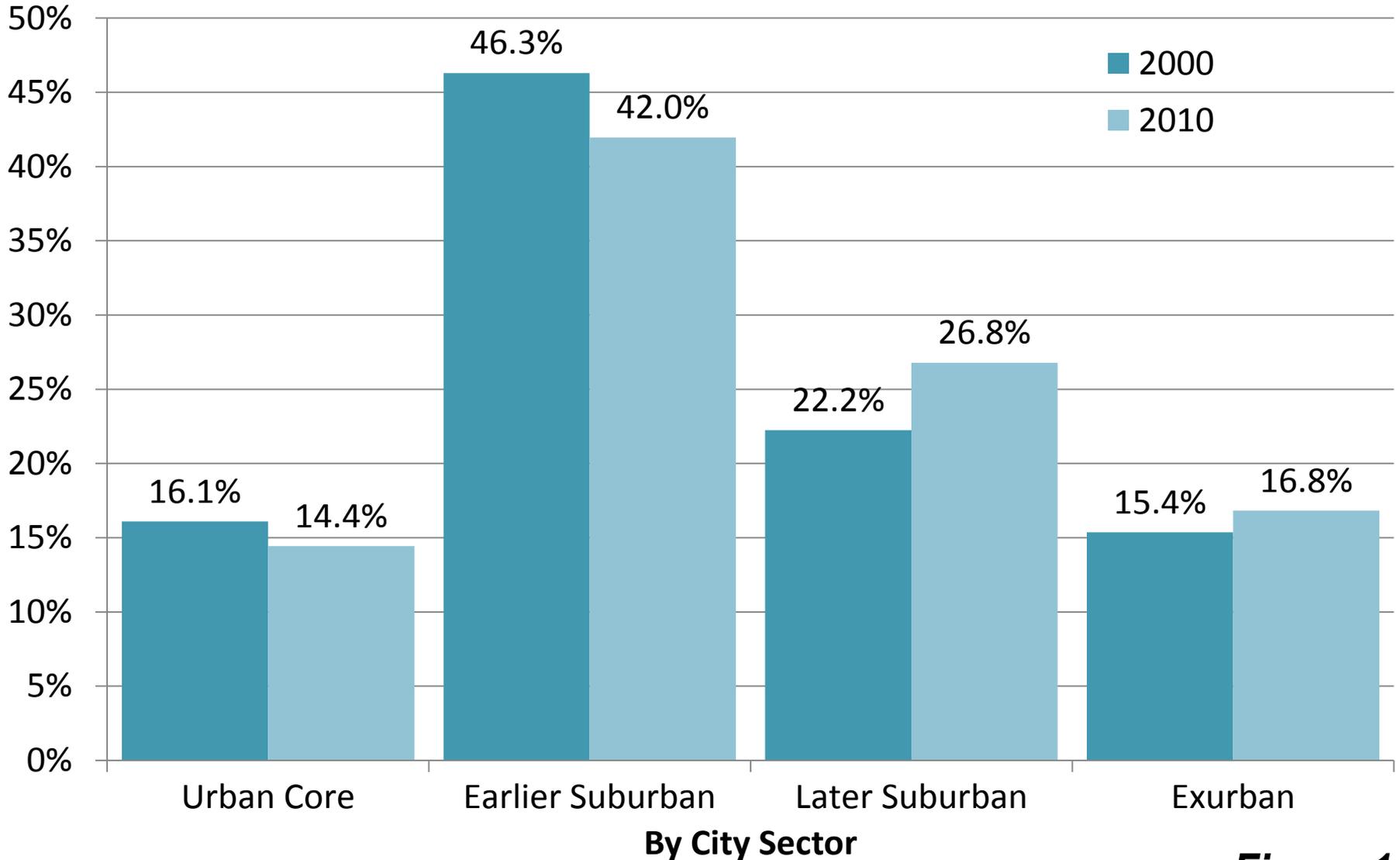
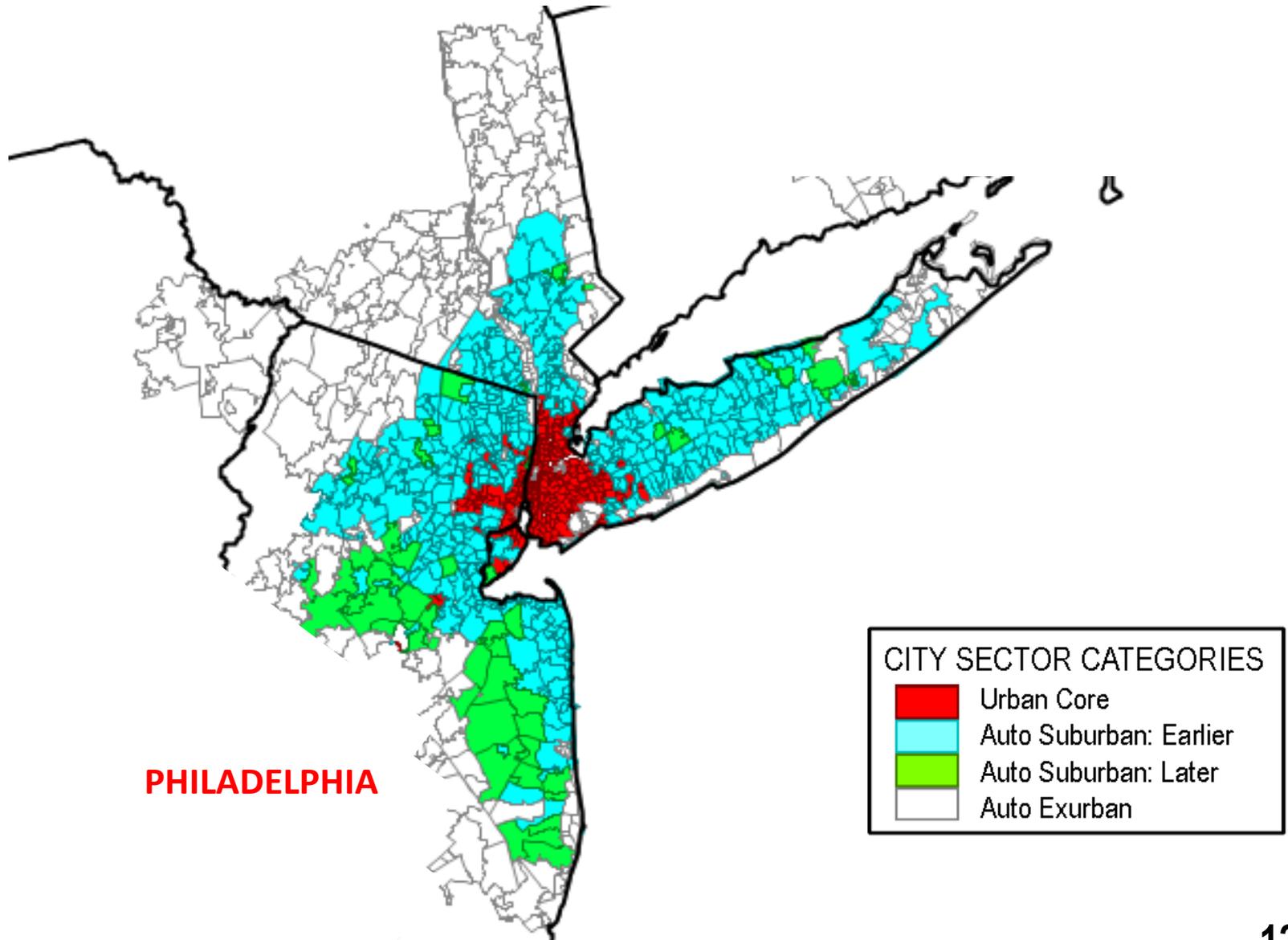


Figure 11

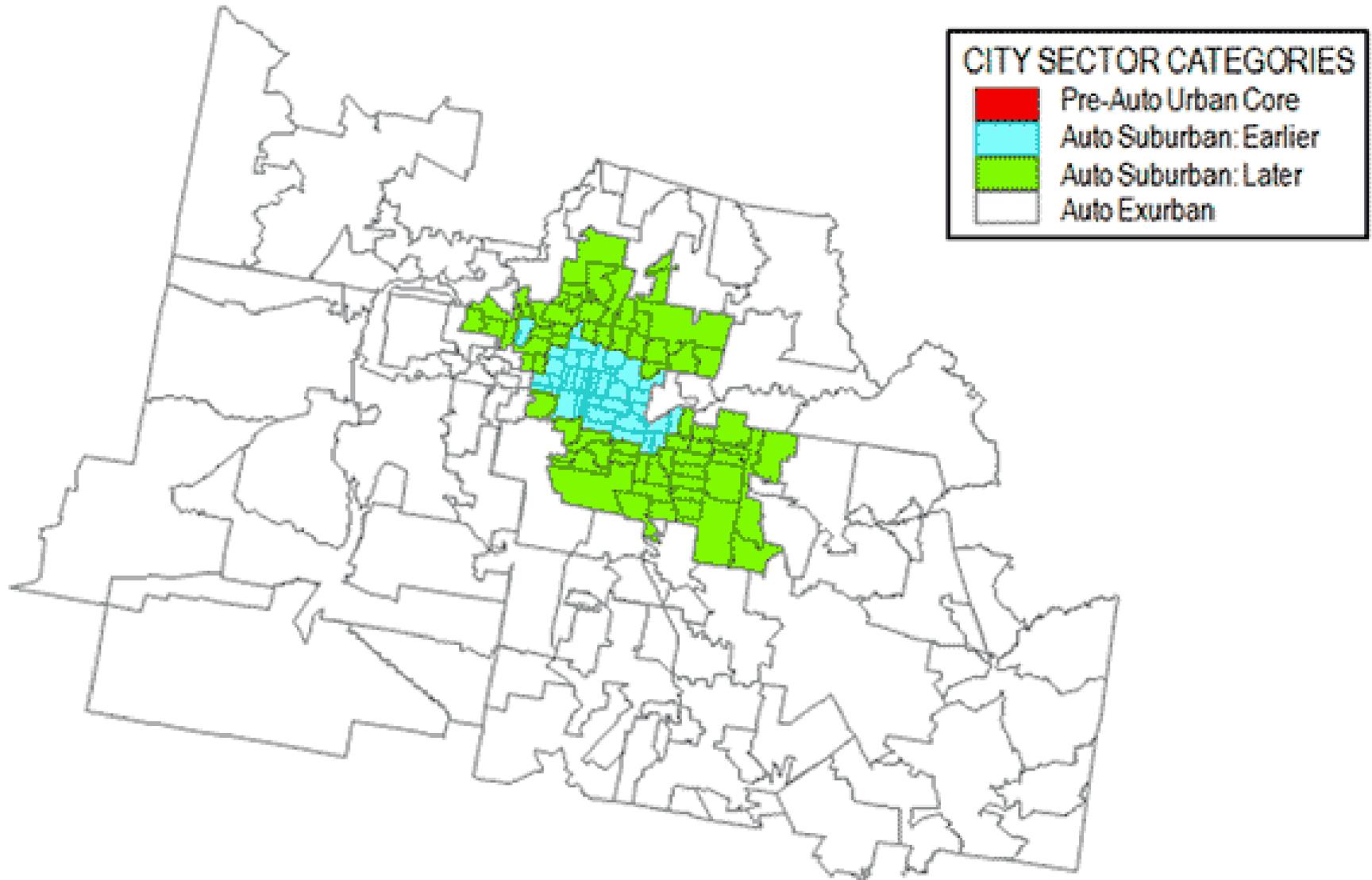
New York, NY-NJ-PA

CITY WITH STRONG URBAN CORE (ULTIMATE IN USA)



Phoenix: 2010

CITY WITHOUT A PRE-AUTO URBAN CORE



Employment: 2000 & 2010

DISPERSION OF EMPLOYMENT

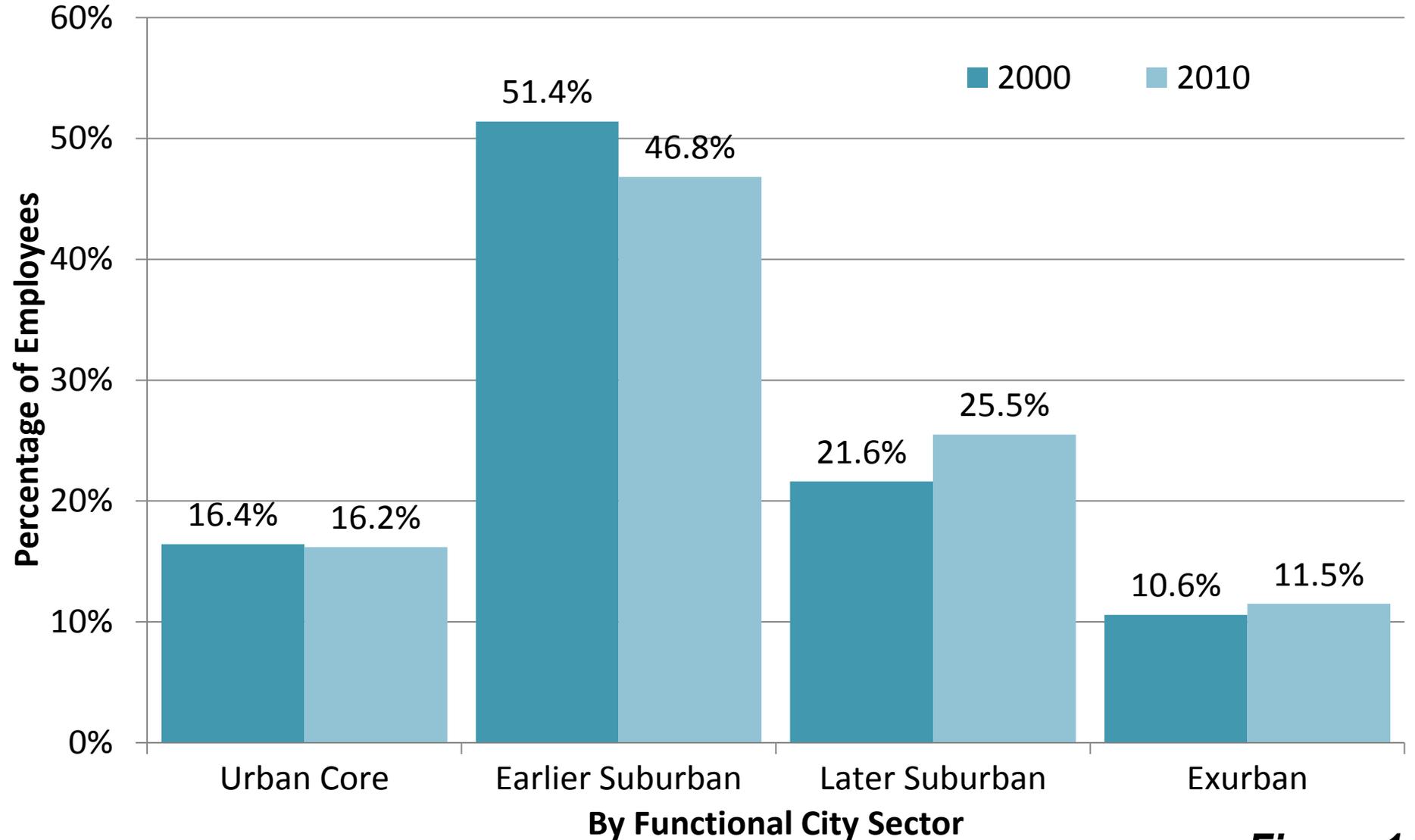


Figure 14



Pudong, 2009