Memorandum



DATE March 24, 2017

Honorable Members of the Quality of Life & Environment Committee: Sandy Greyson (Chair), Tiffinni A. Young (Vice Chair), Rickey D. Callahan, Mark Clayton, Philip T. Kingston, B. Adam McGough

SUBJECT Transportation Equity

On Monday, March 27, 2017, the Committee will be briefed by Dr. Shima Hamidi from the University of Texas at Arlington on Transportation Equity. The briefing materials are attached for your review.

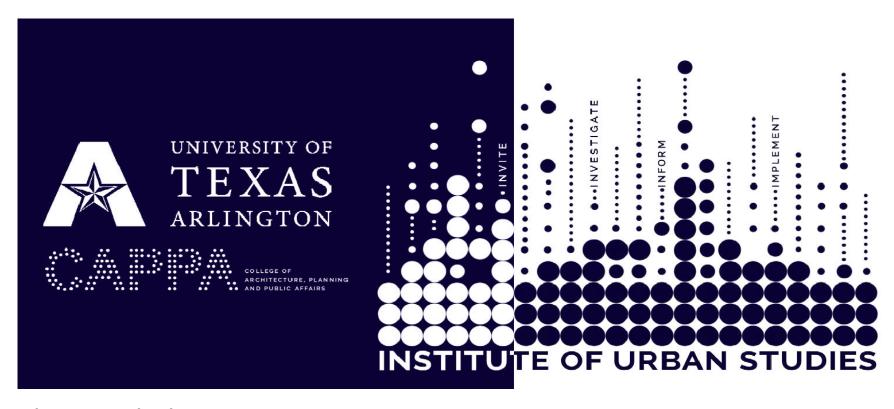
Please feel free to contact me if you have any questions or would like additional information.

Theresa O'Donnell Chief Resilience Officer 214.670.3309

c: T.C. Broadnax, City Manager
Larry Casto, City Attorney
Craig D. Kinton, City Auditor
Rosa A. Rios, City Secretary
Daniel F. Solis, Administrative Judge
Kimberly Bizor Tolbert, Chief of Staff to the City Manager
Majed A. Al-Ghafry, Assistant City Manager

Mark McDaniel, Assistant City Manager
Eric D. Campbell, Assistant City Manager
Jill A. Jordan, P.E., Assistant City Manager
Joey Zapata, Assistant City Manager
M. Elizabeth Reich, Chief Financial Officer
Alan E. Sims, Interim Chief of Community Services
Directors and Assistant Directors

Transportation Equity



Shima Hamidi, PhD

Executive Director of the Center for Transportation Equity, Decisions and Dollars and Director of the Institute of Urban Studies and Assistant Professor of Urban Planning
College of Architecture, Planning and Public Affairs
University of Texas at Arlington
shima.hamidi@uta.edu

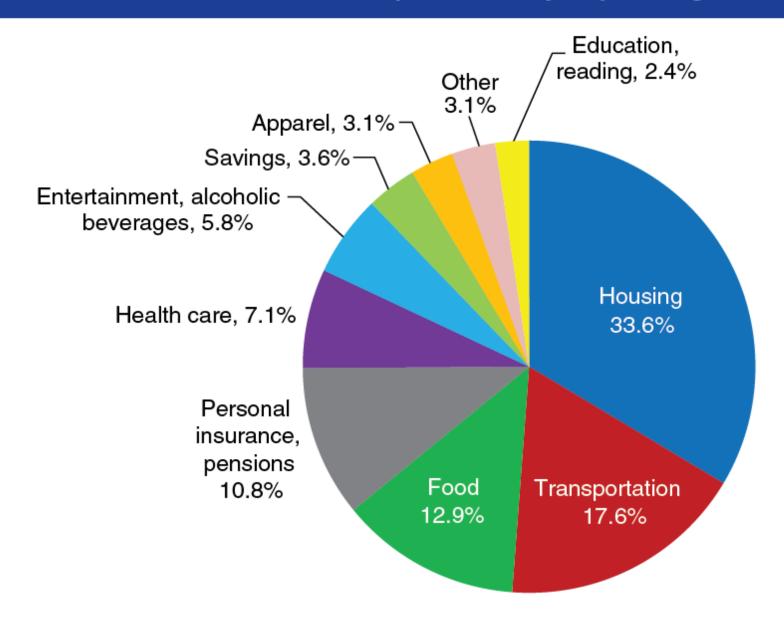
HUD's Measure of Housing Affordability

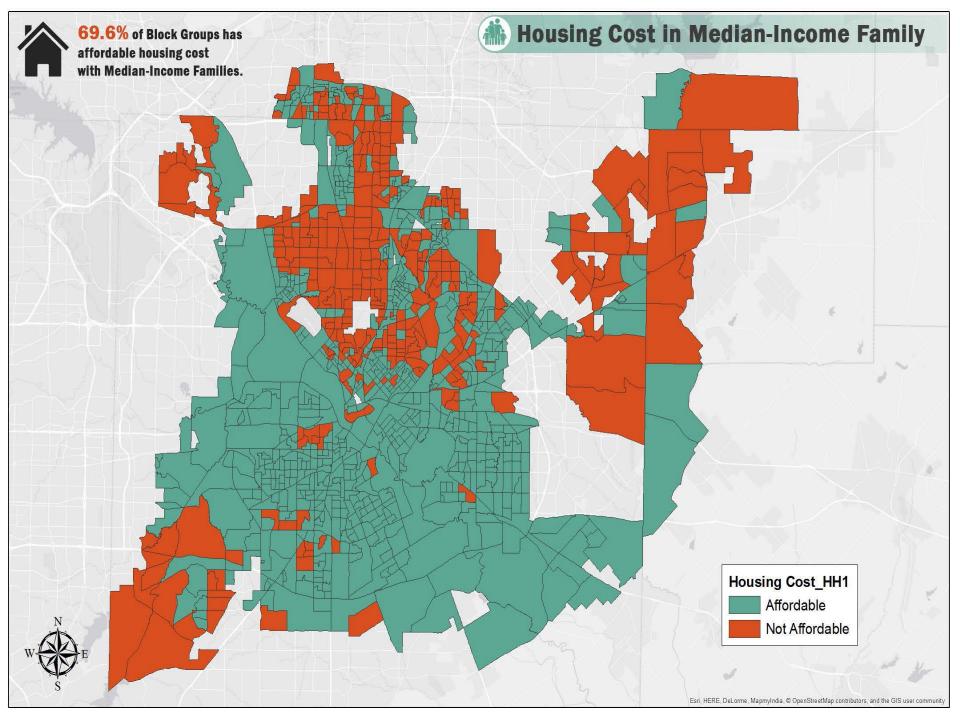
Total housing costs at or below 30% of gross annual income

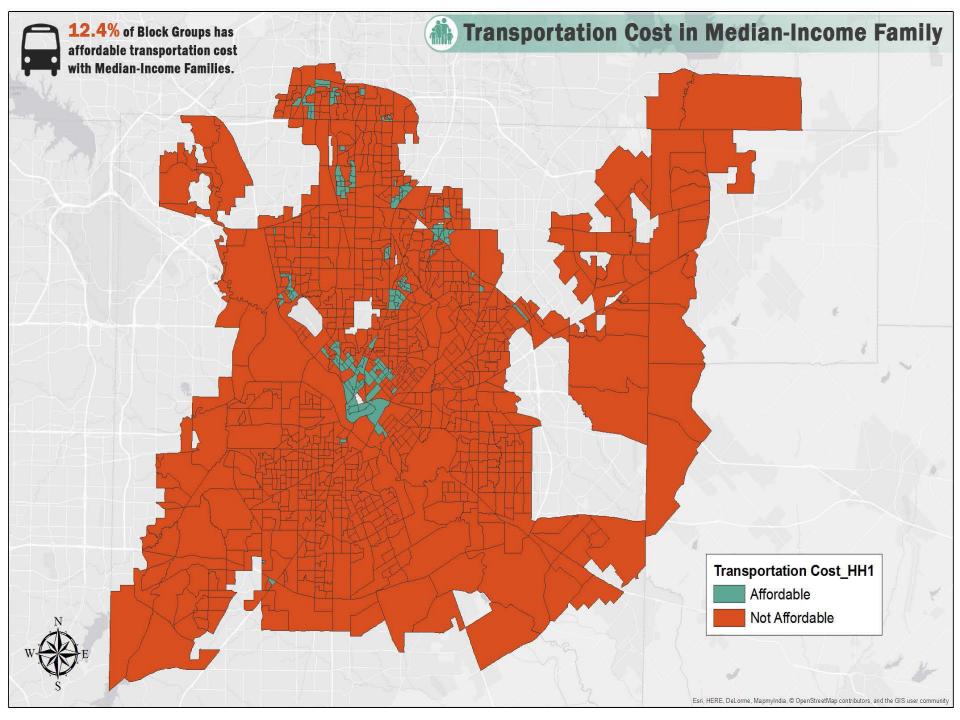
- It is considered the definition of housing affordability nationally and internationally
- It is also the legislative standard used to qualify applicants for housing assistance under certain programs

But how about **Transportation Costs**?

Share of U.S. household consumer expenditures by major categories, 2013

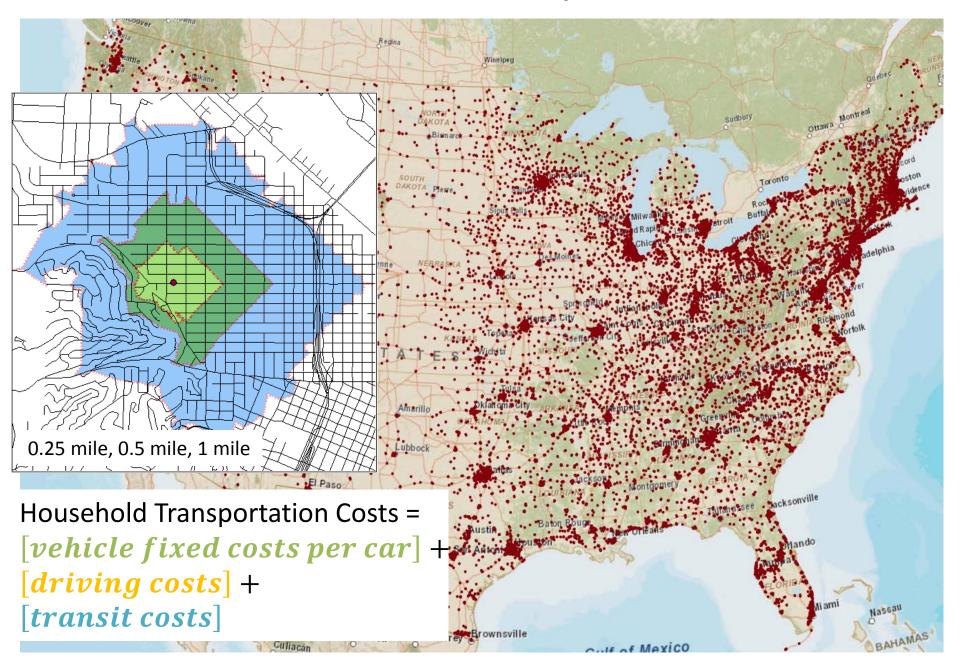




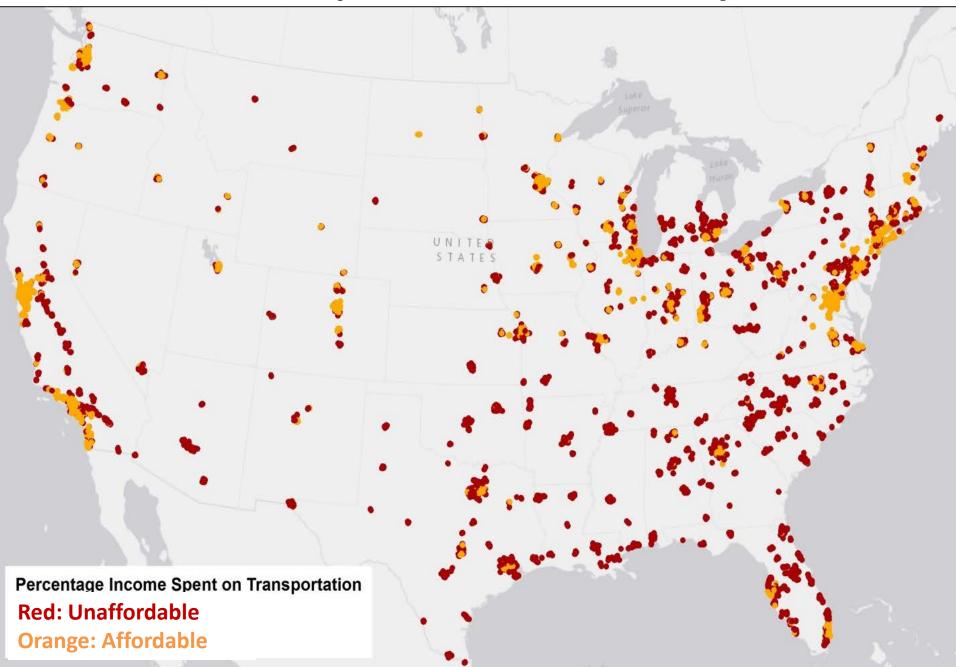


How Affordable is our **Affordable Housing** in Dallas?

LIHTC and Sec 8 Multifamily Portfolio Dataset



Transportation Affordability

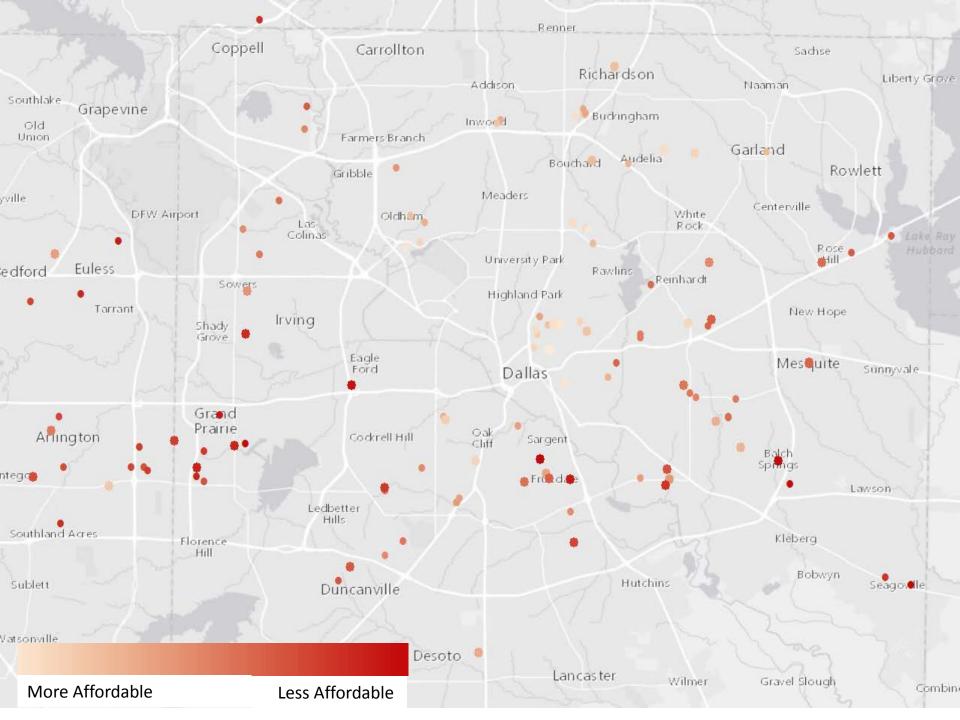


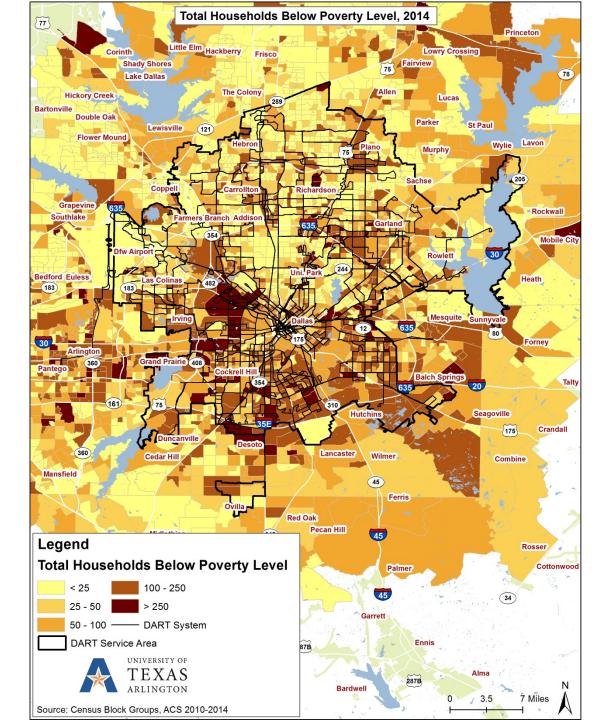
Fifteen Metropolitan Areas with Highest Number of Affordable Properties in Terms of Transportation Costs

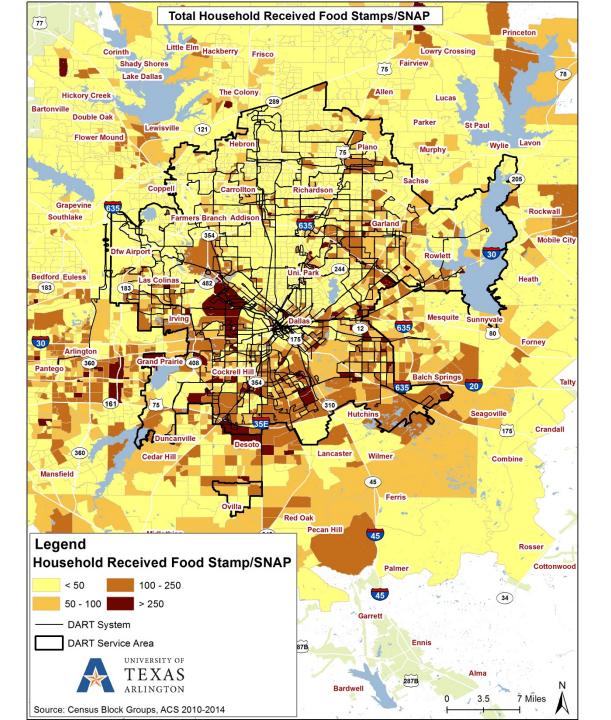
MSA name	Number of affordable	Total number of	% of properties
	properties	properties	affordable
San Francisco-San Mateo-Redwood City, CA	156	156	100
Los Angeles-Long Beach-Glendale, CA	763	787	96.95
Denver-Aurora-Broomfield, CO	220	233	94.42
New York-White Plains-Wayne, NY-NJ	686	756	90.74
Portland-Vancouver-Hillsboro, OR-WA	197	220	89.55
Minneapolis-St. Paul-Bloomington, MN-WI	376	423	88.89
Oakland-Fremont-Hayward, CA	160	181	88.4
Washington-Arlington-Alexandria, DC-VA	311	353	88.1
Chicago-Joliet-Naperville, IL	596	693	86
Kansas City, MO-KS	164	208	78.85
Philadelphia, PA	205	261	78.54
Milwaukee-Waukesha-West Allis, WI	151	205	73.66
Baltimore-Towson, MD	188	281	66.9
Providence-New Bedford-Fall River, RI-MA	161	267	60.3
St. Louis, MO-IL	168	281	59.79

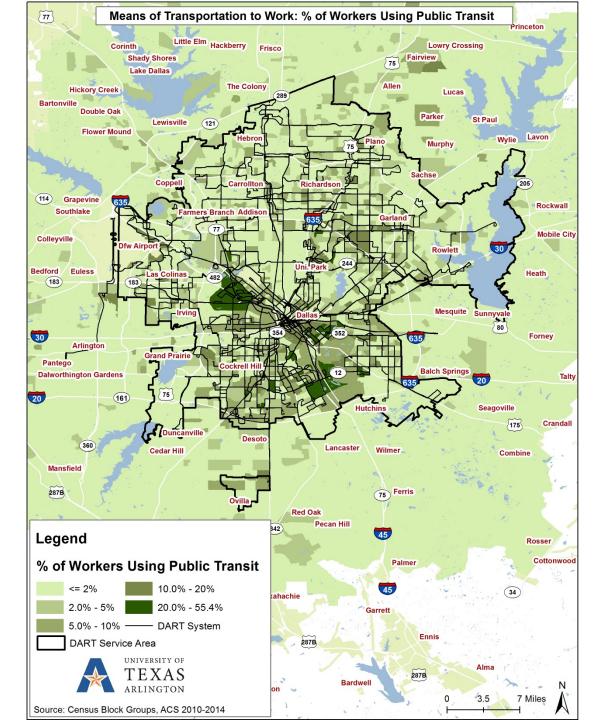
Fifteen Metropolitan Areas with Highest Number of Unaffordable Properties in Terms of Transportation Costs

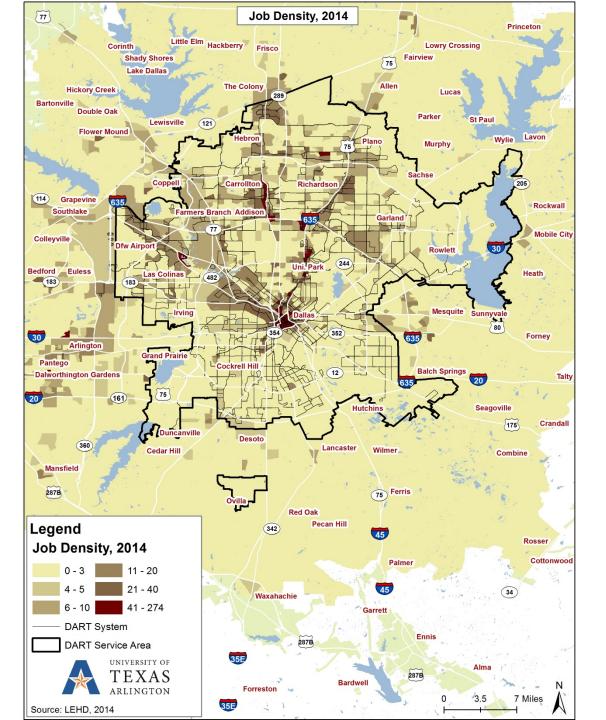
MSA name	Number of affordable	Total number of	% of properties
	properties	properties	affordable
Columbus, OH	82	217	37.79
Cincinnati-Middletown, OH-KY-IN	90	260	34.62
Cleveland-Elyria-Mentor, OH	7 5	262	28.63
Dallas-Plano-Irving, TX	60	212	28.3
Atlanta-Sandy Springs-Marietta, GA	63	246	25.61
Detroit-Livonia-Dearborn, MI	48	208	23.08
Indianapolis-Carmel, IN	43	195	22.05
Houston-Sugar Land-Baytown, TX	46	240	19.17
Pittsburgh, PA	57	321	17.76
Buffalo-Niagara Falls, NY	24	145	16.55
San Antonio-New Braunfels, TX	18	133	13.53
Riverside-San Bernardino-Ontario, CA	11	129	8.53
Tampa-St. Petersburg-Clearwater, FL	5	182	2.75
Phoenix-Mesa-Glendale, AZ	5	191	2.62
Warren-Troy-Farmington Hills, MI	1	147	0.68

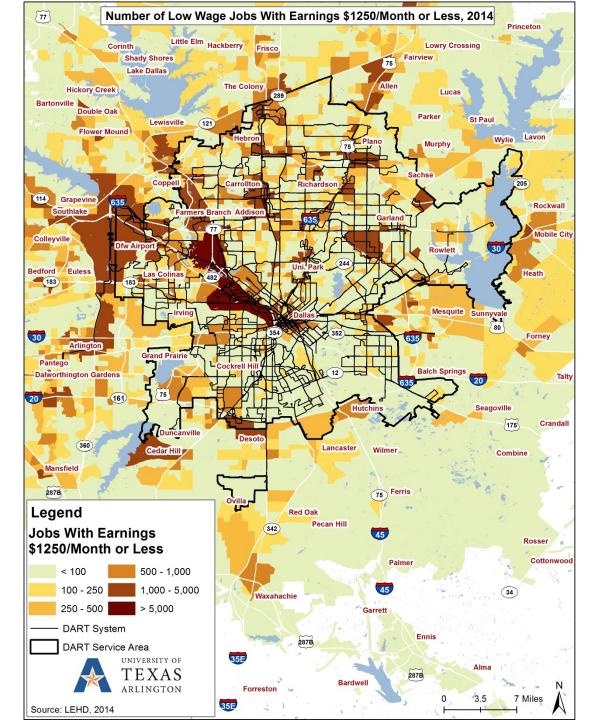


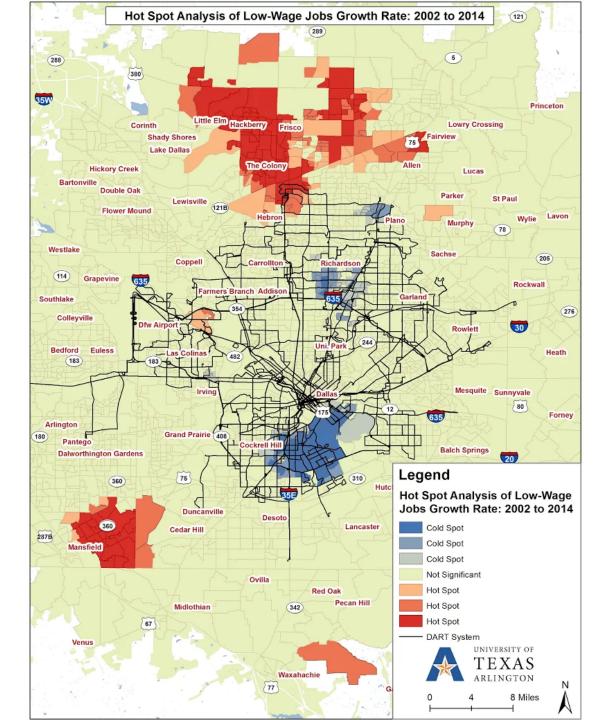


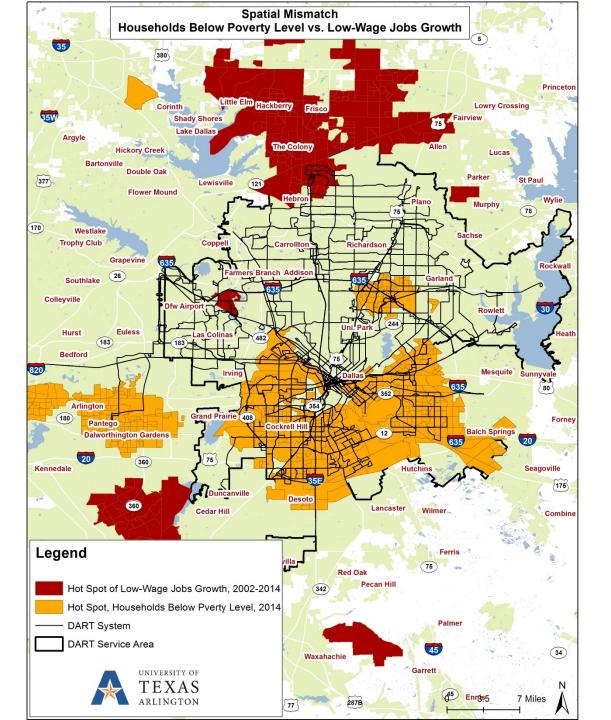






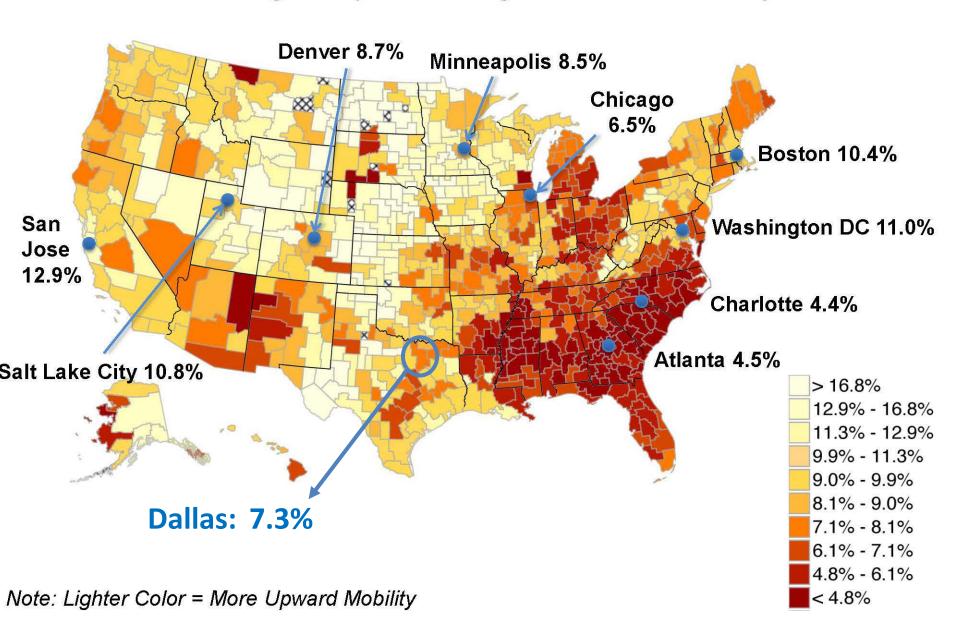






The Geography of Upward Mobility in the United States

Chances of Reaching the Top Fifth Starting from the Bottom Fifth by Metro Area

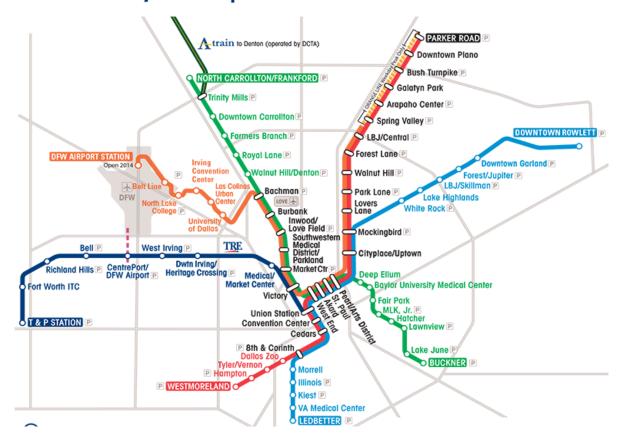


Spatial Mismatch Households Below Poverty Level vs. Low-Wage Jobs Growth 35 Princeton Little Elm Hackberry **Lowry Crossing Shady Shores** 75 Argyle The Colony **Hickory Creek** Bartonville Double Oak (377) St Paul Flower Mound 170 **Trophy Club** Grapevine 26 Colleyville 30 Rowlett Euless Hurst (183) Bedford 820 Grand Prairie 408 Forney Balch Springs Dalworthington Gardens 20 Kennedale 175 360 Legend Hot Spot of Low-Wage Jobs Growth, 2002-2014 Hot Spot, Households Below Pverty Level, 2014 DART System DART Service Area Waxahachie Garrett

Smart Decisions on investments

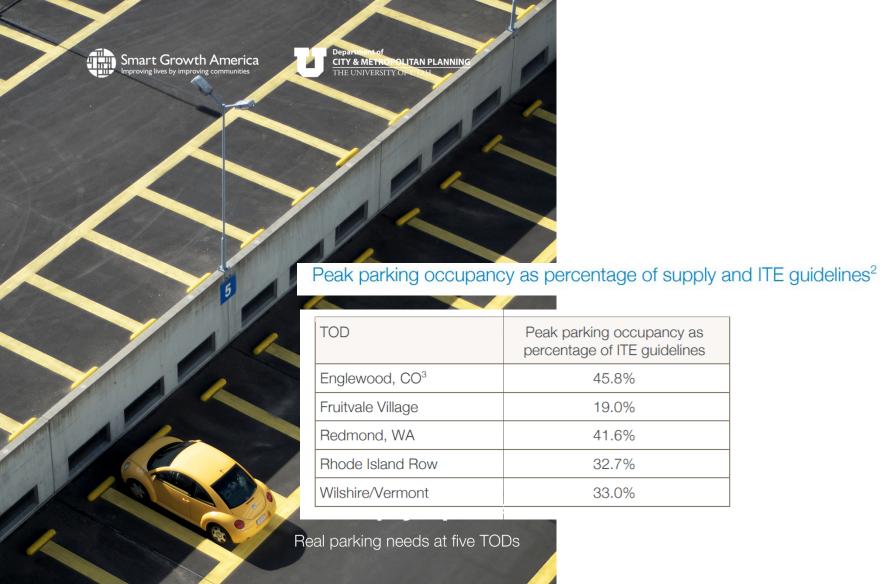
"Our transit system should go beyond functionality and mobility concerns, It should be planned as **enablers**."

DART Rail System Map



The Longest Light Rail System in the Nation

Using the best out of existing transportation infrastructure



JANUARY 2017

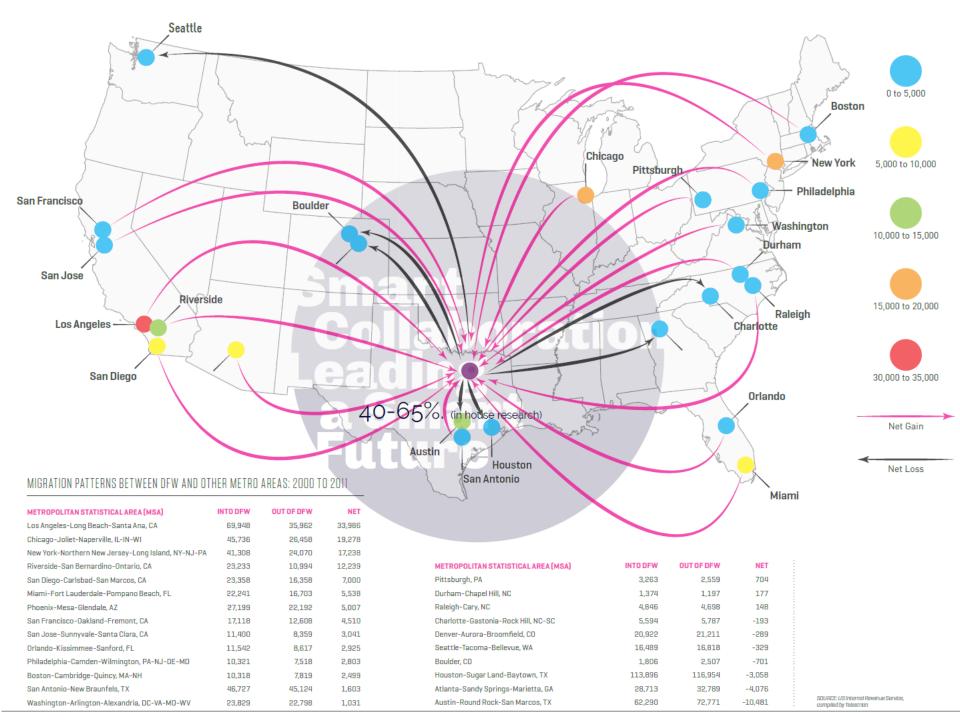


Directing developments to better (more compact, walkable, and transit-served) locations

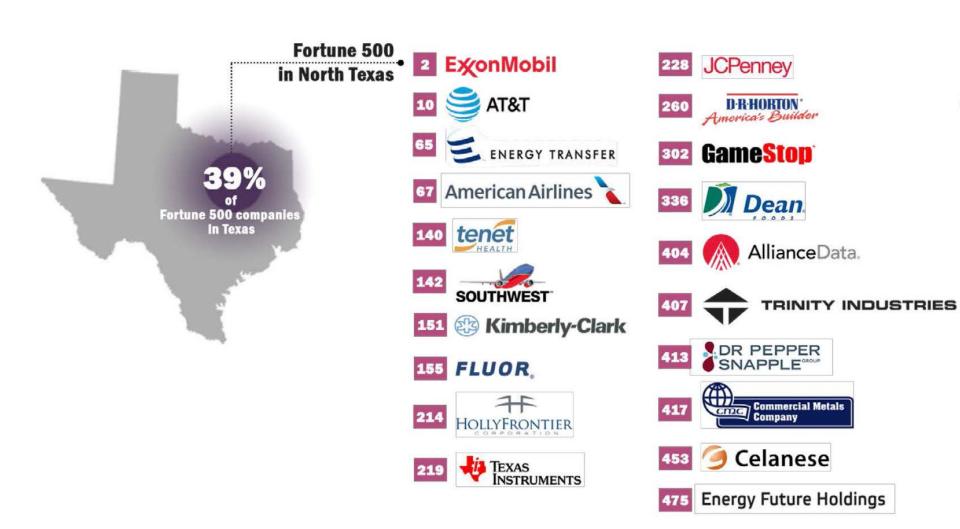




DFW is the 6th FASTEST GROWING LABOR FORCE



FORTUNE 500s







Smarter Decisions

Map of Opportunity Areas

- Measuring Access to Major destinations for all census blocks in Dallas
 - Access to jobs
 - Access to high quality schools
 - Access to health care facilities
 - Access to Health food
 - Access to amenities

Opportunity Score

Comprehensive Assessment of Transportation Equity and Efficiency in Dallas

- Transit quality
- Transit connectivity (first mile-last mile)
- Transit coverage
- Transportation decision making and funding



Center for Transportation Equity, Decisions and Dollars (C-TEDD)

Lead Institution:

University of Texas at Arlington, Arlington, TX 76019 Minority Serving Institution

Member Institutions:

California Polytechnic State University, San Luis Obispo, CA 93407 Georgia Institute of Technology, Atlanta, GA 30332 University of Wisconsin–Madison, Madison, WI 53706 University of South Florida, Tampa, FL 33620