Metropolitan Accessibility and Transportation Sustainability: Comparative Indicators for Policy Reform

University of Michigan
University of Maryland
Promote Sustainability: Meet needs of present without compromising ability of future generations to meet their needs

- Reduce (fulfillment of) needs
- Reduce impact of need fulfillment
- Redefine needs
Redefining needs in Transportation Policy

Traditional Mobility-Based Definition
- Mobility
  - Capacity Expansion
  - Land-Use Planning
  - Travel Demand Management

Alternative Accessibility-Based Definition
- Accessibility
  - Mobility
  - Proximity
  - Remote Connectivity
<table>
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</tbody>
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$r^2 = 0.589$ (quadratic)
Job Accessibility by Car
Dallas, Baltimore, and Phoenix

Accessibility by Census Block Group (Year 2000)
Accessibility and Population Density
by Census Block Group (Year 2000)

Dallas

Baltimore

Phoenix
Distribution of Job Accessibility by Car, Dallas, Baltimore, and Phoenix