

New England University Transportation Center

**Lessons in Partnership,
Leverage & Innovation
in Transportation Research**



University Transportation Center

Joseph F. Coughlin
Director

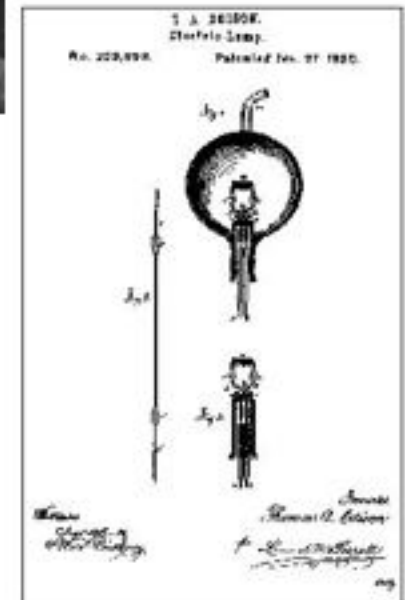
Presented at
University Transportation Centers
Directors Summer Meeting
University of Massachusetts
Amherst, Massachusetts
June 30, 2009

Why is the UTC Grant Important?

- **Partnership** -- industry, foundations wanting to be at the table (public-private partnership in research)
- **Leverage** -- “seed corn” to start projects or to conduct work that might ordinarily not be funded by any one organization.
- **Innovation** -- structure to bring together different disciplines, resources to take the “long view” to develop new tools to inform policy, products & services.

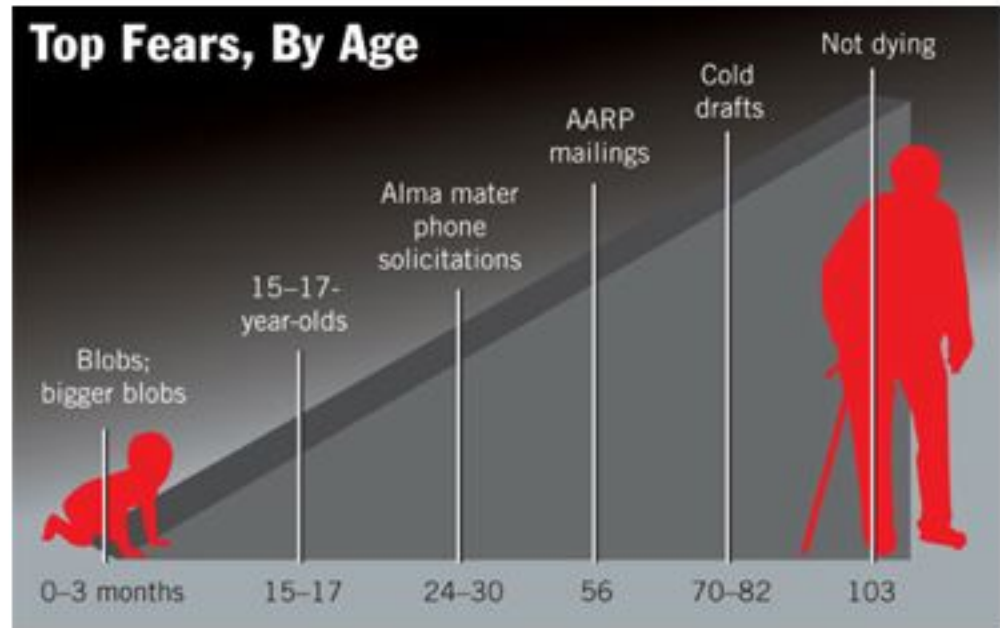
Risk & Success

- Capacity and resources to fail faster -- research is a gamble.
- Conduct research that is 'outside' the discipline.
- Translation of research into reality, e.g., public education, product, policy or services innovation

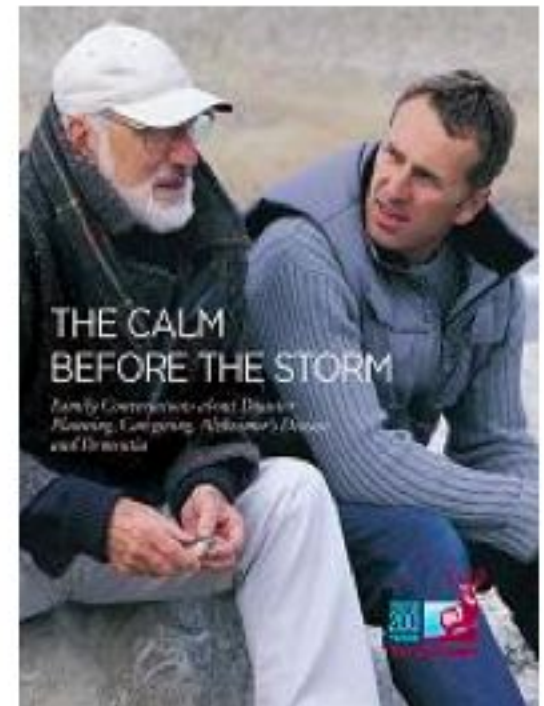
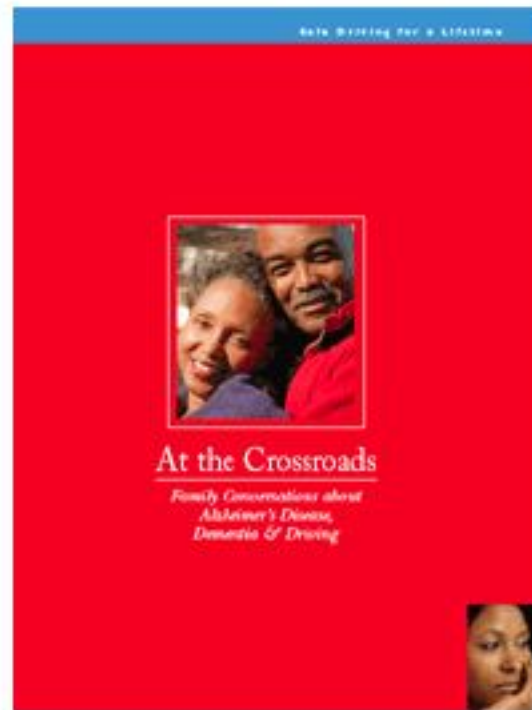


New England Center Theme

Strategic management of disruptive change on the transportation enterprise.

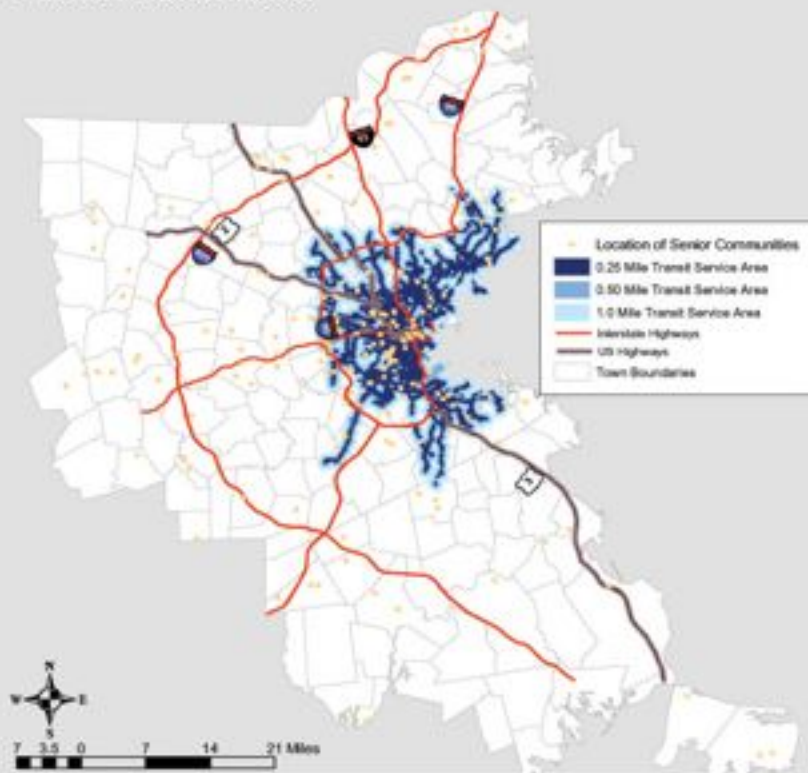


Partnership in Safety Research & Public Education



Leverage: Understanding Livability & Aging-In-No-Place

Transit Service Areas and Senior Living Residences
- Eastern Massachusetts



- Number of Residences	: 180	- Number of Units within 0.25 mile Service Area	: 8,029(45.4%)
- Number of Units	: 17,678	- Number of Units within 0.50 mile Service Area	: 8,700(49.2%)
- Number of Towns	: 191	- Number of Units within 1.0 mile Service Area	: 9,177(51.9%)
- Number of Transit stops	: 8,797		

* Transit service area is calculated based on the specified network distance from each transit stop using ArcView 3.3.
 * Commuter rail stations and private bus service stops are not included in this analysis.
 * The Eastern Massachusetts boundary is set based on the Boston MPO Traffic Analysis Zone (TAZ) and adjacent towns.
 * Geographic and Infrastructure data are obtained from Massachusetts Geographic Information Systems (MassGIS), Central Transportation Planning Staff (CTPS) and Massachusetts Bay Transportation Authority (MBTA).



Innovation: Integration of Driver, Vehicle & Infrastructure AwareCar

