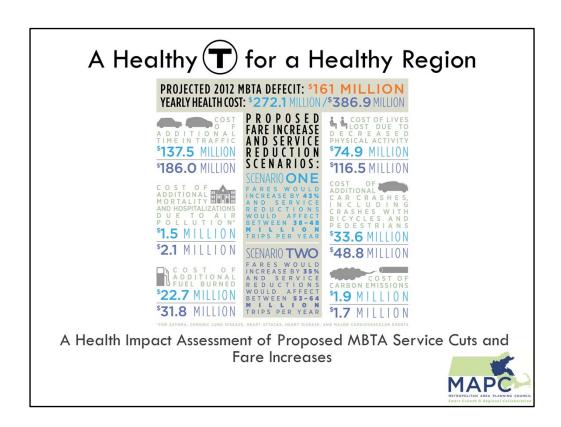


Fiscal Policy and HIA A Healthy T for a Healthy Region

Peter James, ScD Public Health Research Analyst Metropolitan Area Planning Council

> National HIA Meeting September 2013 Washington, DC

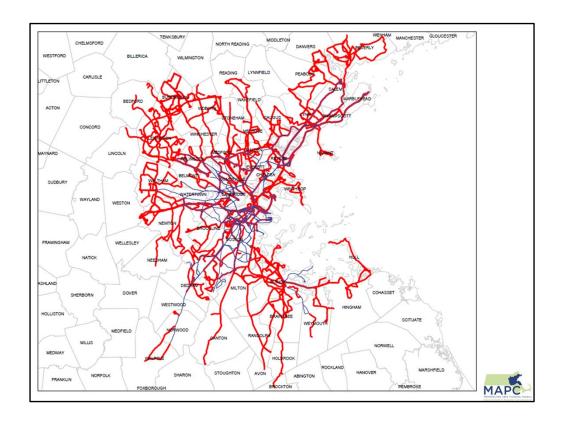


Frame topic. Explain budget deficit of 161 million.

Contentious hearings.

MAPC, as a regional planning agency, had never conducted an HIA, but this seemed like a very relevant topic to us.

Couldn't get OK from MassDOT or DPH, but we received OK from our exec director to conduct an independent HIA.



Eliminated bus routes under Scenario 2

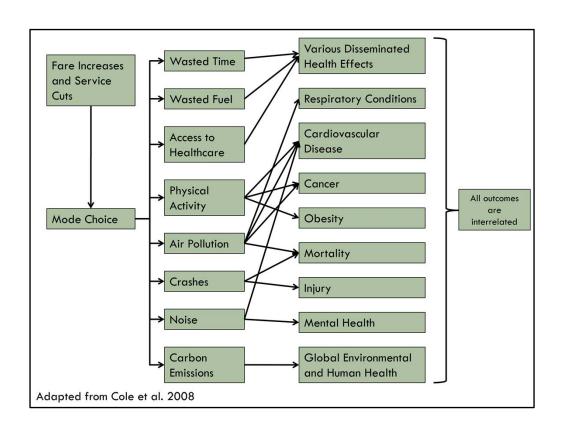
The T is a Health Resource

- Free Time 1
- Physical Activity ↑
- Access to Health Care 1
- Disposable Income 1
- Air Pollution ↓
- Accidents ↓
- Noise ↓







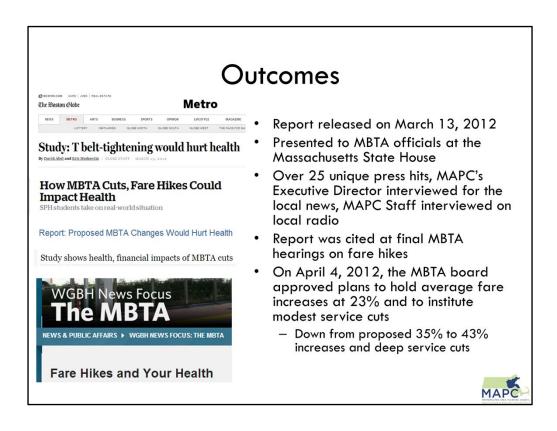


Total Cost: We Lose More than We Save

| Annual Impact | Scenario 1 | Scenario 2 |
|---|-----------------|-----------------|
| | Cost | Cost |
| Cost of additional time in traffic | \$137.5 million | \$186.0 million |
| Cost of additional fuel burned | \$22.7 million | \$31.8 million |
| Cost of additional car crashes, including crashes with bicycles and | \$33.6 million | \$48.8 million |
| pedestrians | | |
| $Cost\ of\ additional\ mortality\ and\ hospitalizations\ for\ asthma,\ chronic\ lung$ | \$1.5 million | \$2.1 million |
| disease, heart attacks, heart disease, and major cardiovascular events | | |
| due to air pollution | | |
| Cost of lives lost due to decreased physical activity | \$74.9 million | \$116.5 million |
| Cost of carbon emissions | \$1.9 million | \$1.7 million |
| Total annual cost | \$272.1 million | \$386.9 million |

To balance a \$161 million budget: Costs exceed savings generated by service cuts and fare hikes





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Challenges / Opportunities

- Our first HIA as a regional planning agency
 - Time-sensitive topic
 - Desktop / Rapid Quantitative HIA
 - Boston area academic institutions
 - Independent and unfunded
 - Lack of Monitoring / Evaluation
- Wrong-Pocket Problem
- Increased the awareness of health issues within a planning agency and within the transportation community



Acknowledgements

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MAPC Executive Director

Marc Draisen

