A MassDOT MultiModal Mashup for Rides to Wellness
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INTRODUCTION

Challenge: Can a state DOT create a Multimodal Mashup for Rides to Wellness on the Web?

This MassDOT research project creates a prototype Web mapping application which will assist veterans, seniors, and individuals with disabilities living in rural and small urban areas to plan and accomplish multimodal access to health care services throughout the Commonwealth of Massachusetts.

MAJOR STEPS TAKEN

A prototype Multi-modal Mashup (MMashup) was created on Google’s Platform-as-a-Service (PaaS) for every region of the Commonwealth. For development purposes the prototype MMashup is hosted on the BSU GeoGraphics Lab’s web service (www.geographicslab.org/multimodal). The MMashup for Rides-To-Wellness (RTW) has Four layers:

- A Static Route Map with 22 regional transit and intercity passenger services.
- A Rides to Wellness “Health Care” Map with 16 CMS categories of health care providers and VA health services and all transit services listed above in a customizable “pick and choose” checkbox interactive display.
- A Real-Time MBTA Map – select a route from a drop-down menu of all commuter rail, heavy rail, light rail, and bus services by route name (head sign).
- A Link to the Google Trip Planner, platform as a service, focused on Massachusetts.

RESULTS

GOALS AND IMPLEMENTATION

WHAT WE LEARNED

GTFS feeds for transit and inter-city bus are regularly updated by the state DOT. CMS and VA Healthcare services location data are available on a quarterly basis. Using a standard GIS software, these data can be georeferenced. All of these geocoded layers can be mashed up in the google maps platform.

CONTACT INFORMATION

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