

Title of Presentation: Measuring the Effectiveness of Economic Development Programs in Maryland Using LEHD and Other Data

Question your work tried to answer	Can LEHD data be used, in conjunction with other data sources, to measure the effect that Enterprise Zones and other economic development programs have on local areas in Maryland?
Local Employment Dynamics data sources used	<input checked="" type="checkbox"/> OnTheMap <input type="checkbox"/> QWI <input type="checkbox"/> Industry Focus <input checked="" type="checkbox"/> Raw data files from CD or VRDC <input type="checkbox"/> Other: _____
Other data sources used	National Establishment Time Series (NETS) Data Maryland PropertyView parcel data
Software/ data processing tools used	ArcGIS 10.2 Microsoft Excel
Brief description of methodology (if someone wanted to do a similar analysis, how should they approach it?)	<p>GIS shapefiles were created that included Enterprise Zone boundaries from multiple time periods. These shapefiles were uploaded to OnTheMap and also used within ArcGIS 10.2 as the base layers for analysis. OnTheMap and LODES data were used to track inflows and outflows of workers, and to analyze income levels.</p> <p>For this analysis, the “All Jobs” measure of employment was used. In the future, the “All Private Jobs” measure will likely be used, to exclude the effect that government employment (which is not directly affected by economic development programs) may have on the results.</p> <p>In addition, geocoded datasets from the National Establishment Time Series (NETS) and from Maryland PropertyView were overlaid with Enterprise Zone definitions to select establishments and parcels that lay within the Zone boundaries. These establishments and parcels were analyzed over time to track changes that could be due to the effects of the Enterprise Zones.</p> <p>All measurements taken of changes within Enterprise Zones in a jurisdiction were compared to the total area average. In the future, comparisons to areas not covered by Zones may be used as well.</p>

Benefits of methodology/ data	LEHD data is the only data source that allows researchers to track the work and home location of workers, along with basic demographic data on worker age, industry, and income.
Drawbacks/problems with methodology/data	None of the data sources used cover a long enough time period to analyze the full effect of the Enterprise Zone program. LEHD data is based on Census blocks, which are not a good match for the geography of most of the programs that we would like to analyze.
Anything else?	Having access to the OnTheMap application made the analysis easier to accomplish. However, the application could not handle the complexities of some of the shapefiles that needed to be analyzed.
Who and how to contact for more information:	<p>James Palma, AICP Senior Manager, Research and Information Division of Marketing and Communications Maryland Department of Business and Economic Development 401 East Pratt Street, 9th Floor Baltimore, MD 21202 (410) 767-6680 jpalma@choosemaryland.org</p>