

Research Motivation & Objective



The emergence of shared autonomous vehicles (SAVs) is expected to alter transportation costs and patterns, thus affecting accessibility and mobility.



Assess the socio-economic implications related to SAVs, such as access to opportunities and flexible and affordable mobility.

Empirical Setting

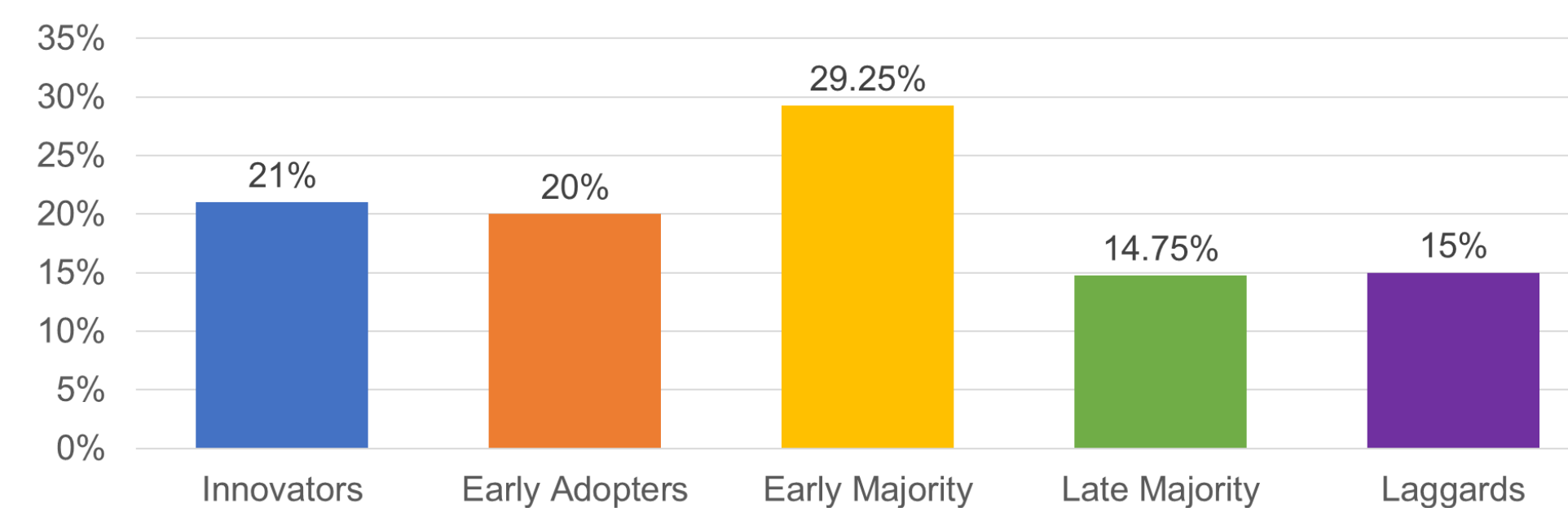
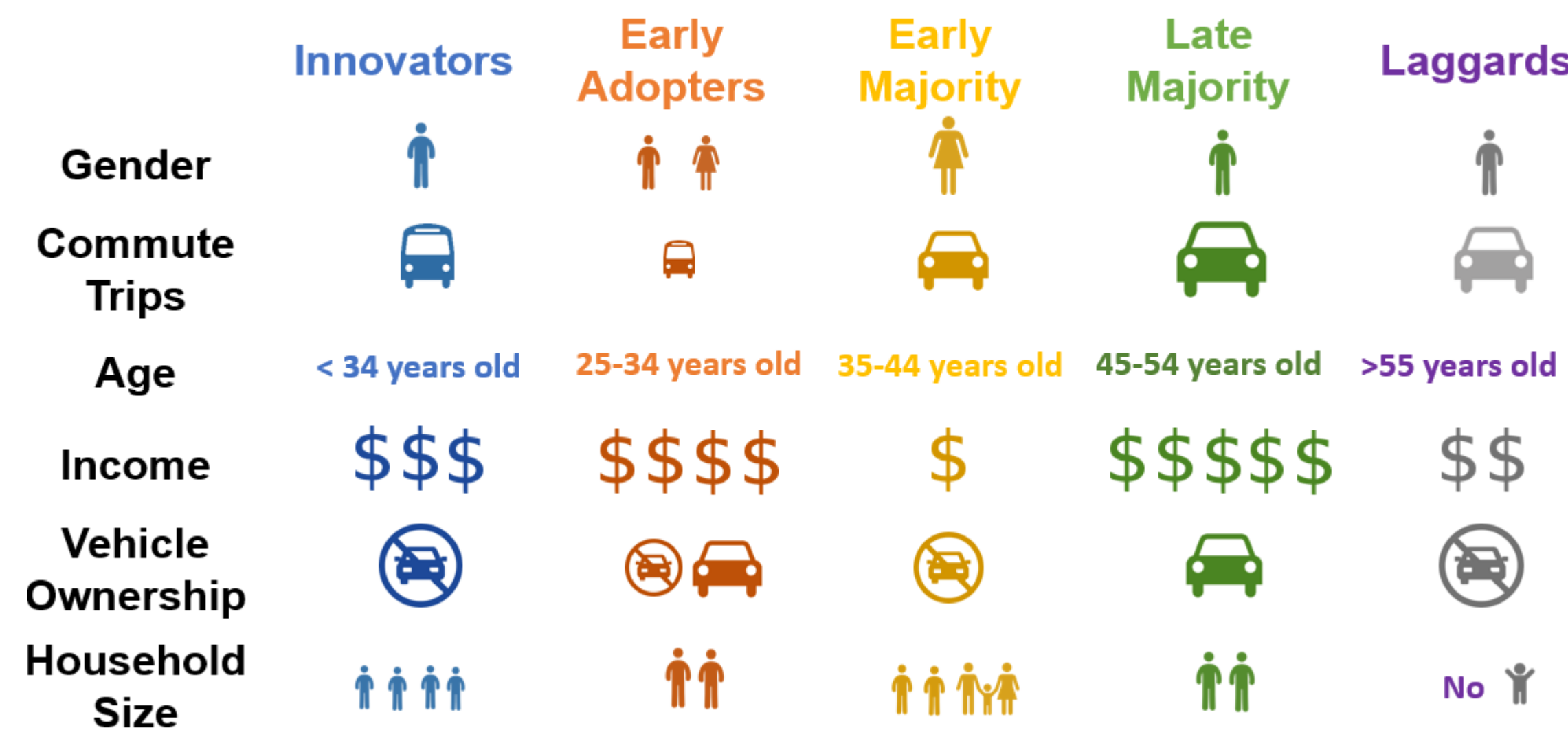
Online Survey

- 400 Completed responses (November 2017 (Chicago, IL), and May 2018 (Indianapolis, IN))
- Hard quotas on gender and age groups
- Respondents over 18 years old
- IRB Protocol # 1701018708 (IL) and 1801020160 (IN)

	CHICAGO	INDIANAPOLIS
Gender		
Male	47%	45%
Female	53%	55%
Modal Split		
Walking	12%	8%
Bicycling	3%	2%
Car	65%	81%
Bus	2%	-
Train	15%	3%
Other	2%	6%
Age		
18-24	13%	16%
25-34	14%	15%
35-44	16%	18%
45-54	18%	17%
55-64	25%	17%
>65	14%	18%

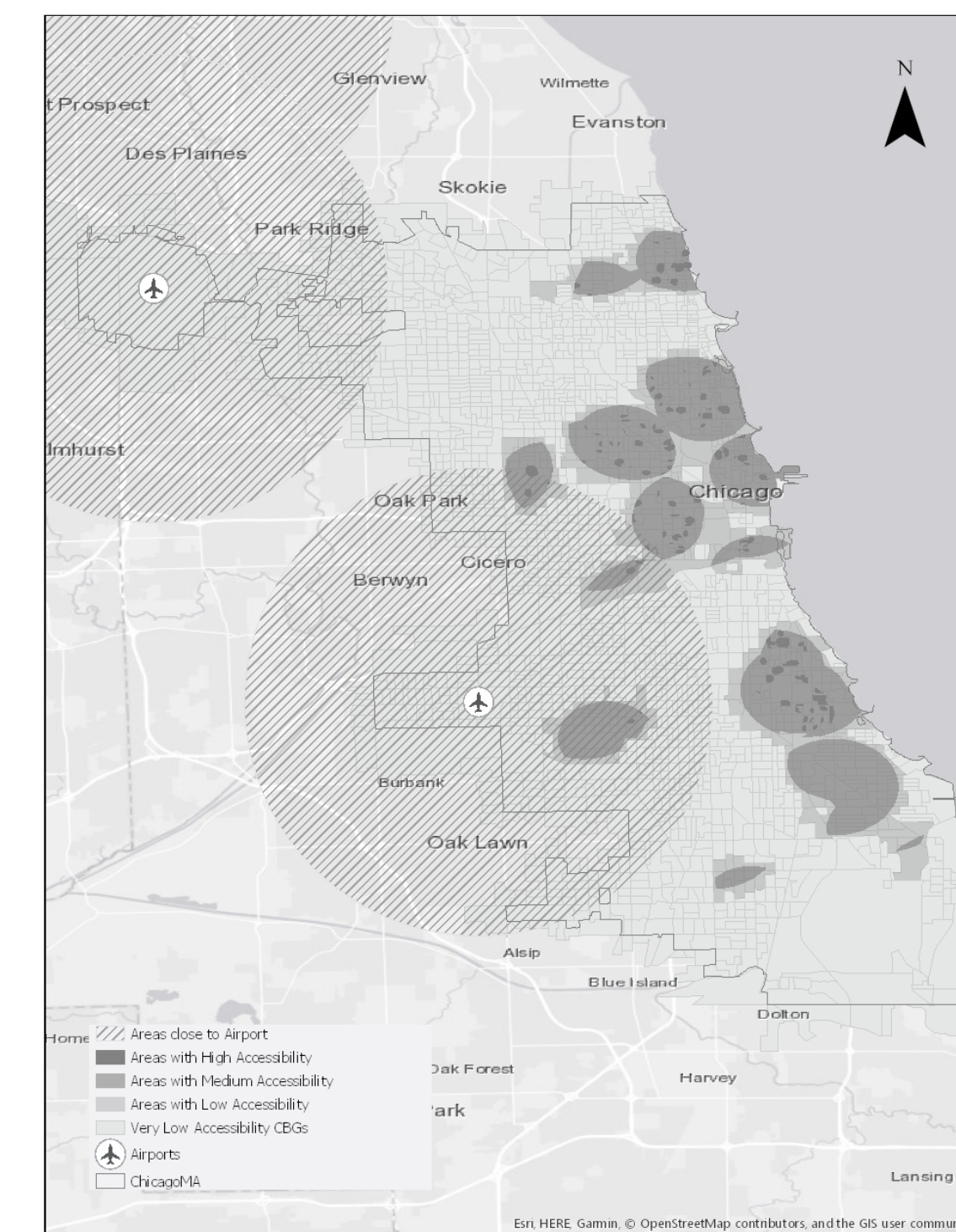
Results

Market Segmentation Analysis



Multi-spatial Perspective Approach

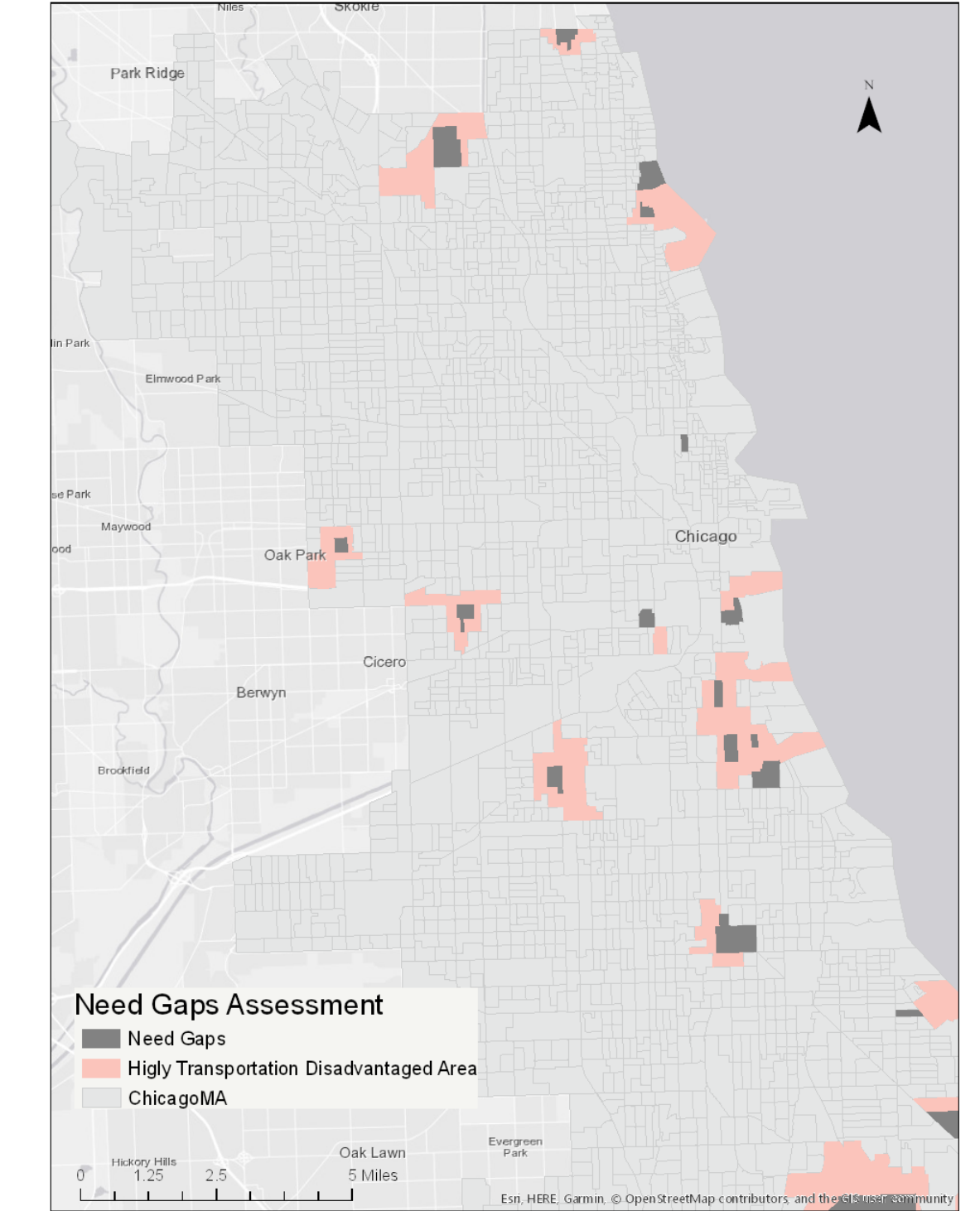
Accessibility Assessment



Opportunities:

- Large Hospitals
- Schools
- Museums
- Transportation Stations

Mobility Assessment

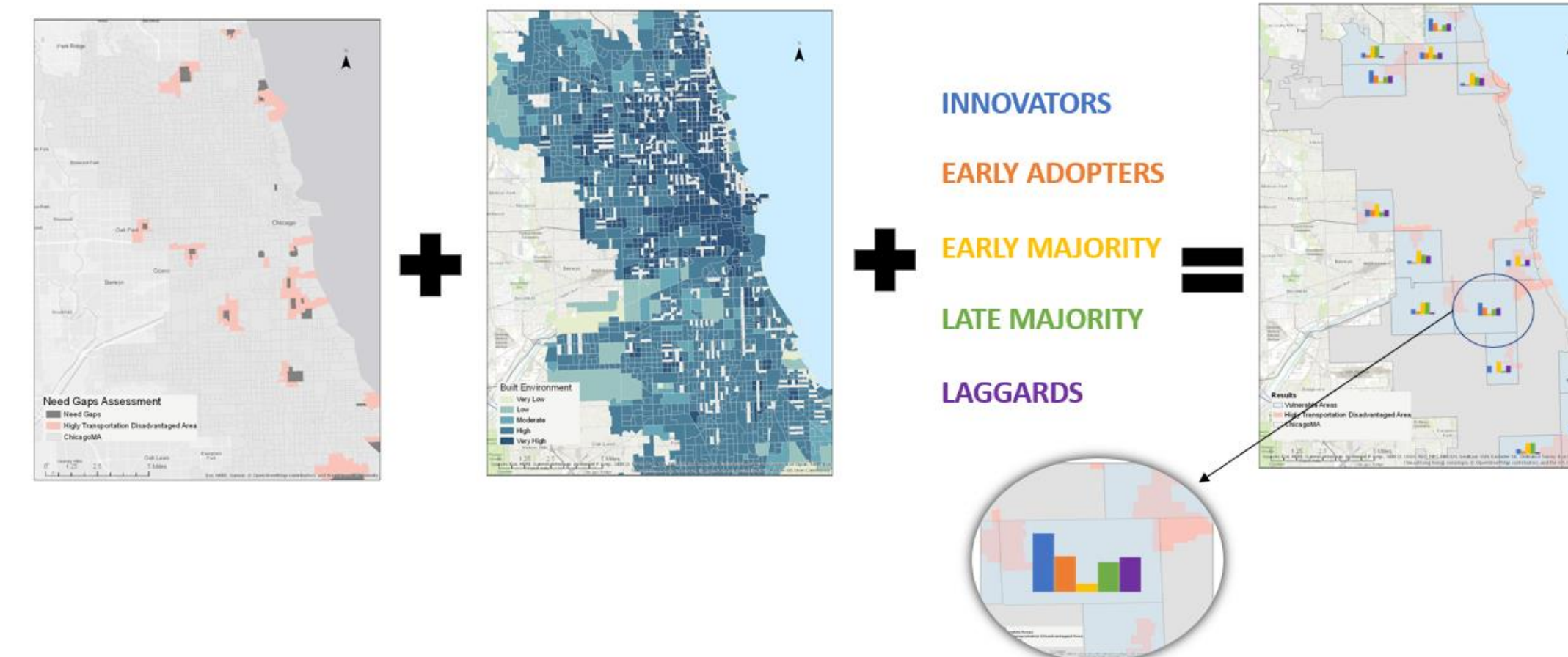


Metrics:

- Below 14 years old
- Above 65 years old
- Disabled
- Unemployed

Ongoing Work

- Conduct a similar analysis for Indianapolis:
 - Market segmentation analysis
 - Mobility, accessibility assessment
- Compare findings
- Provide recommendations to USDOT and INDOT



Acknowledgments

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