



2012 Quality of Life Study Project

Budget/Public Policy Workshop

December 11, 2012

3:00 p.m.

CMGC 267





Background

- September 2010 – IBM Grant Awarded
- November 2010 – IBM Recommendations
- April 2011 – Resolutions of Support
- September 2011 – QOL Launch



Quality of Life Project Goals

- To build greater collaboration between all local government entities
- To expand the geography of the QOL study countywide
- To create a user-friendly Web-based dashboard



QOL Local Government Partners

- Mecklenburg County
- City of Charlotte
- Mecklenburg County Towns
 - Cornelius
 - Davidson
 - Huntersville
 - Matthews
 - Mint Hill
 - Pineville



Project Team

Steering Committee

- City (NBS)
- County (MGR) (GIS)
- UNC Charlotte



Data
Collection
and
Maintenance



Web
Design and
Data Merge



Meetings
w/elected
officials and
public

Dimension Focus Groups

- City, County, Towns
- Community Partners



Provide
guidance on
variables,
goals,
resources



Review list
of future
variables
and process
changes



Project Partners





Today's Presenters

Dr. Owen Furueth



Quality Of Life Research Team Lead
University of North Carolina Charlotte

Mr. Tobin Bradley



Quality Of Life Dashboard Creator
Mecklenburg County GIS Department



2012 Quality of Life Improvements

- Enhanced utility
- County-wide coverage
- New neighborhood boundaries
- Expanded variable range
- New dimensions
- New analytical framework
- Robust website resource



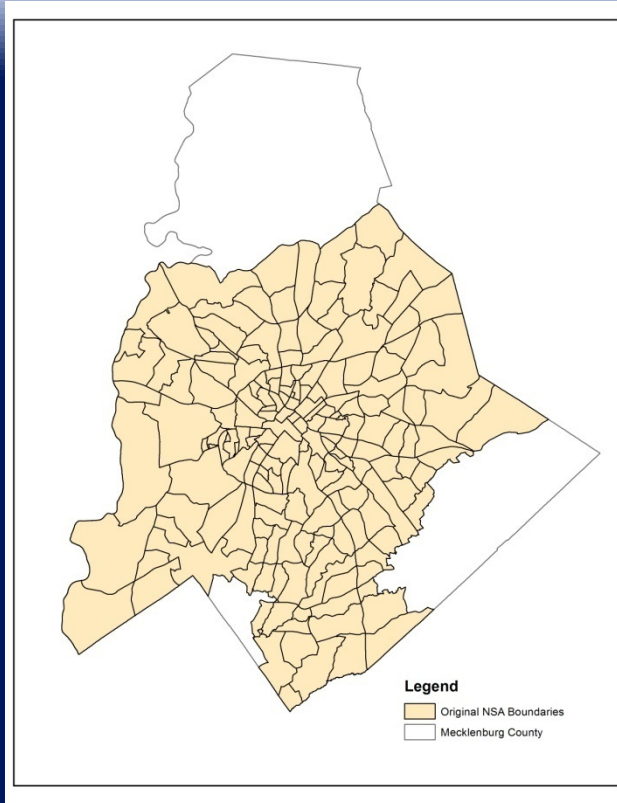
How can we use it?

- Allows residents to better understand their neighborhoods
- Allows for data driven decisions by leadership & policy makers
- Establishes baseline data for trend analysis and possible inclusion in C&C Scorecard



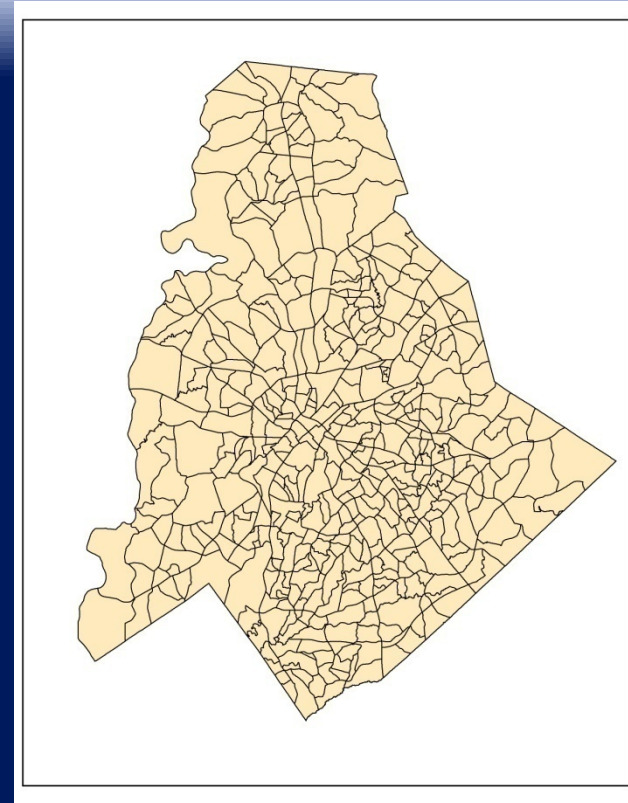
Comprehensive Coverage – Finer Grained Neighborhoods

2000-2010



173 NSAs

2012



464 NPAs

- 7 municipalities and Mecklenburg County
- Census block groups core
- Mean population \pm 1,900
- Alignment with US Census Bureau, American Community Survey



Expanded Scope of Quality of Life Variables, 2000-2010

Social Dimension

- Percent of Persons over Age 64
- Average Kindergarten Score
- Dropout Rate
- Percent of Children scoring at or above grade level
- Percent of Births to Adolescents
- Youth Opportunity Index

Crime Dimension

- Violent Crime Rate
- Juvenile Arrest Rate
- Property Crime Rate
- Crime Hot Spots

Physical Dimension

- Appearance Index
- Housing Code Index
- Percent Homeowners
- Projected Infrastructure Improvement Costs
- Percent of Persons with access to Public Transportation
- Percent of Persons with access to Basic Retail
- Pedestrian Friendliness Index

Economic Dimension

- Percent of Persons receiving Food Stamps
- Percent Change in Income
- Residential House Value Change



2012 Quality of Life Variables/Dimension Framework

Community Character

- Population
- Median Age of residents
- Area (in acres)
- Average residential density (units per acre)
- Land Use Proximity
- Public Transit Proximity
- Percentage of Developed Land

Community Economics

- Median Household Income
- Percentage of Persons Employed 6 Months or Less
- Percentage of Persons Working 35 Hours or Less
- Percent of Population Receiving Food and Nutrition Services (FNS)
- Percent Change in Residential Property Value
- Square Feet of Commercial Buildings
- Square Feet of Permitted New and Renovated Commercial Buildings
- Non-Residential Building Code Violations
- Average Year of Commercial Buildings
- Percent Change in Non-Residential Property Value

Community Engagement

- Number of Registered Voters
- Percent Voter Participation
- Number of Residents Serving on City and County Appointed Boards and Committees
- Number of 311 Calls for Service
- Number of Registered Neighborhood Organizations
- Number of Grants Awarded
- Miles of Streets Adopted

Education

- Number of Pre-School Programs
- Number of School Aged School Programs
- Adult Educational Attainment-Less than High School Diploma
- Number of Children Aged 5-14 Not Enrolled in Public or Private School
- Percent of Children Attending Private School



2012 Quality of Life Variables/Dimension Framework

Environment

- Commuters Driving Alone
- Commuters Using Public Transportation
- Length of Commute
- Average Number of Daily Transit Boardings
- Percentage of Bicycle Master Plan Implemented
- Percentage of Paved Streets with Sidewalks
- Street Connectivity Index
- Total Impervious Surface
- Number of Structures in Floodplain
- Percentage of Tree Canopy
- Solid Waste Diversion Rate
- Recycling Participation Rate
- Water Consumption
- Adopt a Stream Participation
- Residential Electricity Consumption
- Residential Natural Gas Consumption

Community Health

- Percent of Juvenile Population Receiving North Carolina State Children's Health Choice
- Percent Births to Adolescents
- Percentage of Population Receiving Medicaid
- Average Age of Death
- Percent within ½ Mile of Medicaid Provider or Free Clinic
- Percent within ½ Mile of Chain Grocery Store
- Percent within ½ Mile of Pharmacy
- Percent within ½ Mile of Public Outdoor Recreation Area
- Percent within 2.5 Miles of a Recreation Center



2012 Quality of Life Variables/Dimension Framework

Housing

- Number of Housing Units
- Number of Vacant Single Family Parcels
- Average Year of Construction – Single Family
- Average Size of Single Family Dwellings
- Number of Residential Building Permits (New)
- Number of Residential Building Permits (Renovation)
- Average Single Family Property Value
- Percent Change in Single Family Property Value
- Percentage of Foreclosures
- Percentage of Single Family Rental Homes
- Percent Subsidized Housing Units
- Median Gross Rent
- Housing Code Violations
- Number of Calls for Nuisance Violations
- Number of Residential Zoning Violations
- Vacancy Rate

Community Safety

- Violent Crime Rate
- Property Crime Rate
- Juvenile Incident Rate
- Fire Calls for Service Rate
- Calls for Animal Control Rate

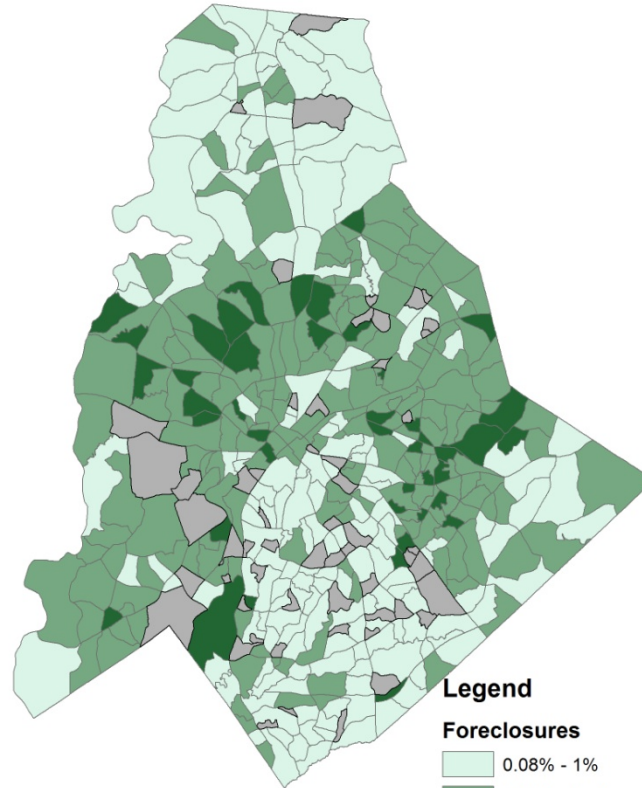


New Analytical Framework

- Single cumulative ranking (Stable, Transitioning, Challenged) no longer calculated
- NPA variables can be easily accessed and localized
- Cross-boundary comparative analysis
- City, county, town measures wider array of dimensions
- We are the innovator



Percent Foreclosures



Legend

Foreclosures

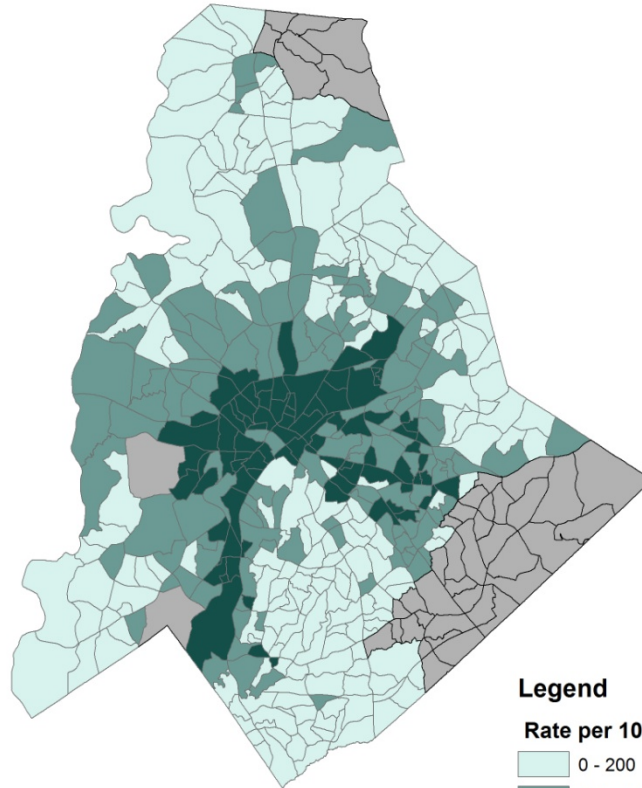
- 0.08% - 1%
- 1.01% - 2.5%
- 2.51% - 12.5%
- N/A

Description: Percent Single Family Foreclosure from July 2010 to June 2011. There are 3,520 foreclosures represented on this map or 1.2% of single-family (attached and detached) housing units. N/A includes NPAs with zero foreclosures.

Source: Mecklenburg County Tax Parcels, 2011
Metropolitan Studies Group, TML 9/17/2012



Violent Crime Rate



Legend

Rate per 100,000

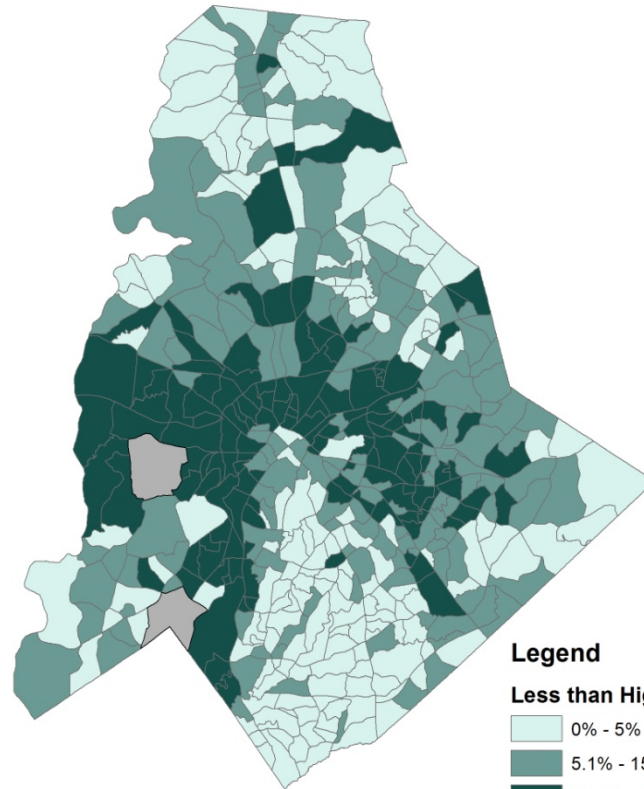
- 0 - 200
- 201 - 800
- 801 - 9,700
- N/A

Description: The total number of Violent Crime in each NPA divided by the total population for each NPA.
The rate for Mecklenburg County was 548.9 per 100,000 in 2011 (January-December).

Metropolitan Studies Group, TML 9/13/2012



Educational Attainment - Less than High School Diploma



Legend

Less than High School Diploma

- 0% - 5%
- 5.1% - 15%
- 15.1% - 66.7%
- N/A

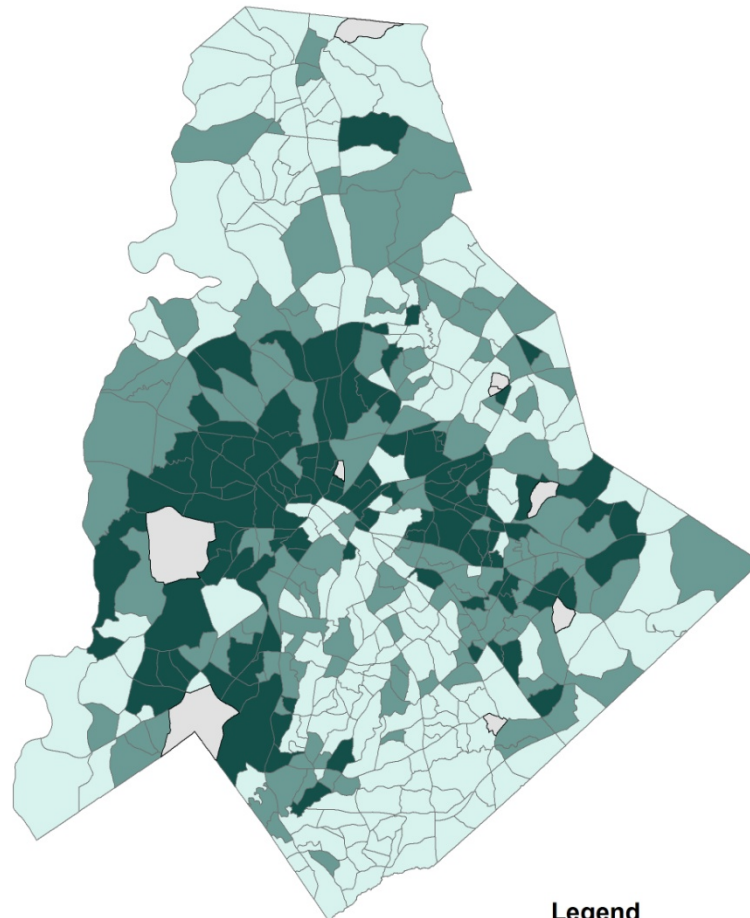
Description: Education Attainment - Less than High School Diploma. The percentage of people 25 or older with less than a high school diploma.

Mecklenburg County Average: 11.7 %

Source: American Community Survey, 2006-2010.
Metropolitan Studies Group, TML 9/24/2012



Percent Births to Adolescents



Methodology: Number of births to adolescent in 2009 and 2010 divided by all births for each NPA in 2009 and 2010.
Mecklenburg County Average: 4.75%

Legend

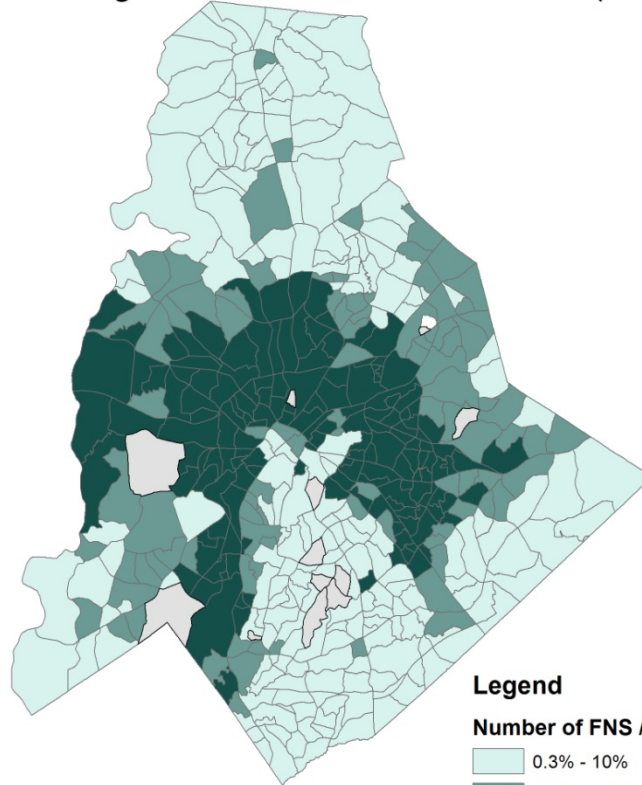
Births to Adolescents

- 0% - 2%
- 2.1% - 7%
- 7.1% - 22.7%
- N/A

Source: Mecklenburg County Health Department.
Metropolitan Studies Group, TML 9/24/2012

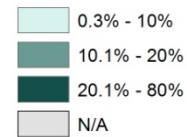


Percent of Population Receiving Food and Nutrition Services (FNS)



Legend

Number of FNS / Population

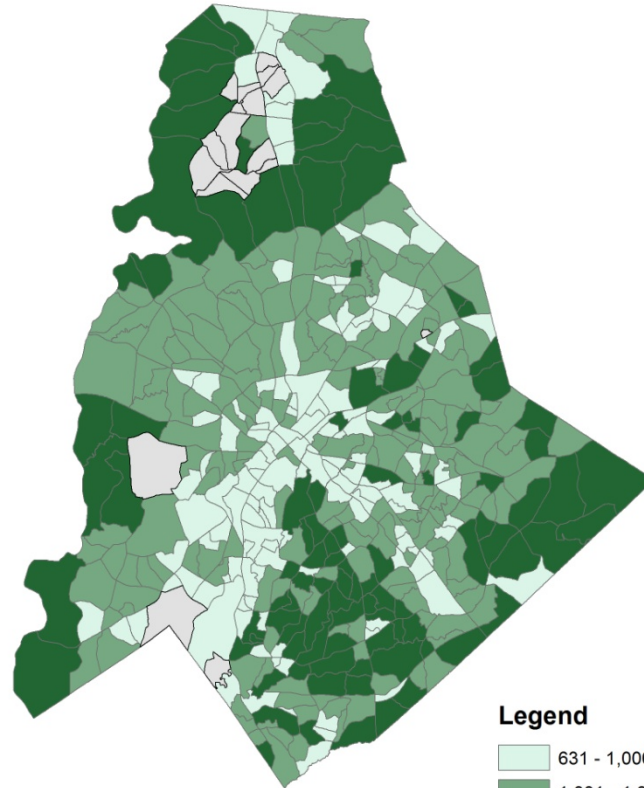


Description: Percent of Population Receiving Food and Nutrition Services.
Mecklenburg County Average: 16.0% Data as of August 2011.

Source: Mecklenburg County Department of Social Services.
Metropolitan Studies Group, TML 9/17/2012



Average Monthly Electric Consumption



Legend

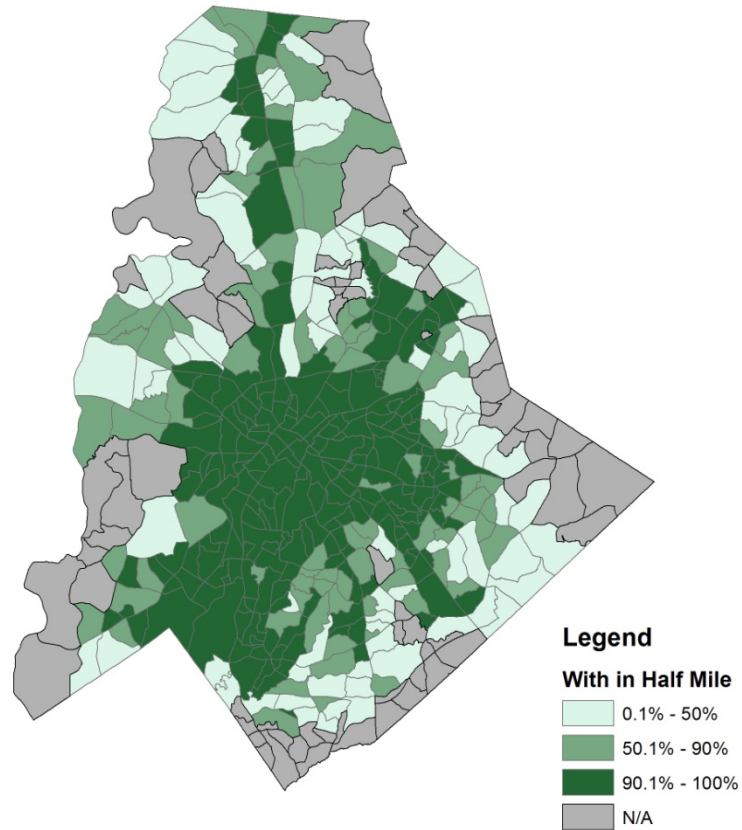
- 631 - 1,000
- 1,001 - 1,300
- 1,301 - 3,166
- N/A

Description: Average KWHs (Kilowatt Hours) consumed for residential accounts in each NPA from July 2010 to June 2011.
N/A include NPAs with less than 5 premises.

Source: Duke-Energy, 2010-2011
Metropolitan Studies Group, TML 6/12



Percent within Half Mile of Transit Stop

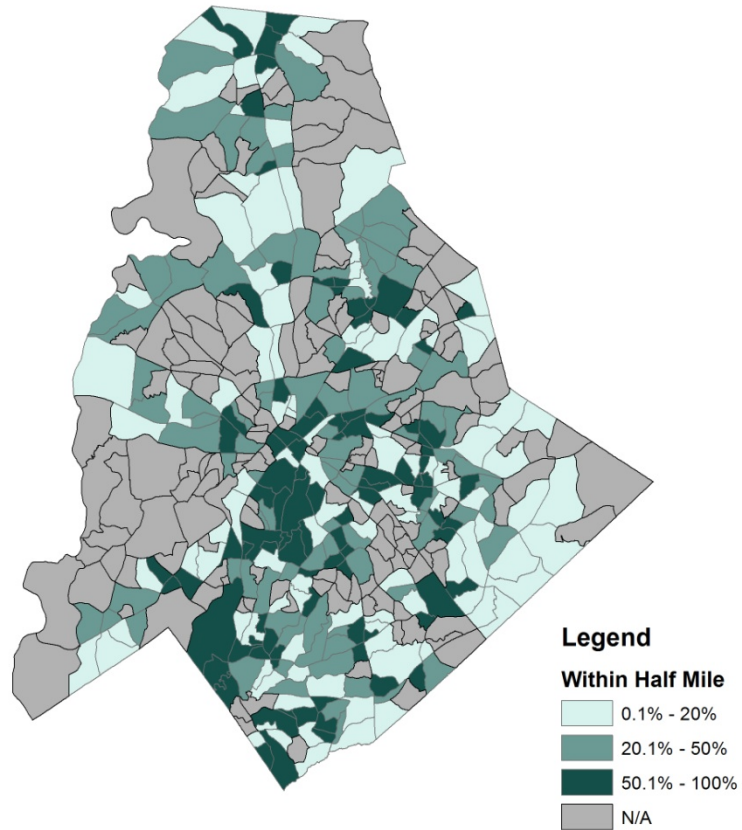


Description: Percent of housing units within a half mile of a transit stop.
The average percent for Mecklenburg County is 67%. Data as of October 2011.

Source: Mecklenburg County Land Records, 2011. Charlotte Area Transit System, 2011
Metropolitan Studies Group, TML 9/24/2012



Percent within Half Mile of Chain Grocery Store

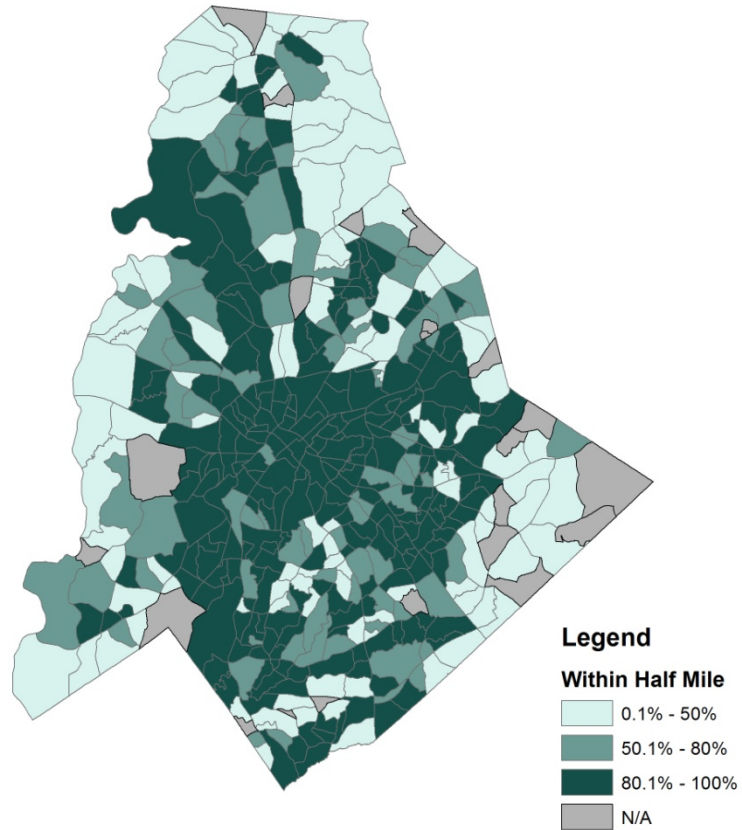


Description: Percent of housing units within a half mile of a chain grocery store.
The average percent for Mecklenburg County is 26%. Data as of October 2011.

Source: Mecklenburg County Land Records, 2011.
Metropolitan Studies Group, TML 9/24/2012



Percent within Half Mile of Public Outdoor Recreation Area



Description: Percent of housing units within a half mile of a public outdoor recreation area.
The average for Mecklenburg County is 72%. Data as of October 2011.

Source: Mecklenburg County Land Records, 2011.
Metropolitan Studies Group, TML 9/24/2012



Next Steps...

- December
 - BOCC Public Policy Meeting
 - City Council Briefing
- January-March
 - Town Council/Board Briefings
 - Public Presentations
- February
 - Focus groups begin to assess future needs