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11-2017

Democratizing Data with the Charlotte-Mecklenburg Quality of Life Explorer

Laura Simmons *University of North Carolina at Charlotte*

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Democratizing Data with the Charlotte-Mecklenburg Quality of Life Explorer



Democratizing Data

with the Charlotte-Mecklenburg Quality of Life Explorer

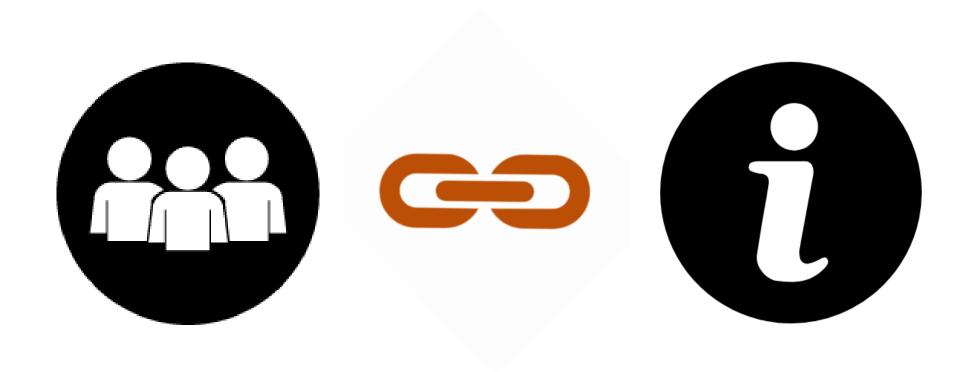
UNC Charlotte Urban Institute

Applied research and community outreach center at UNC Charlotte since 1969















Welcome to Open Charlotte

Providing accessible City services, operations and statistical data to promote community engagement, stimulate innovation and increase productivity.

311/Services



Arts & Education



Business & Budget



Community Safety



City Government



Neighborhoods & Housing



Transportation



Environment



Demographics



Planning & Zoning



Map Features



Historical Data



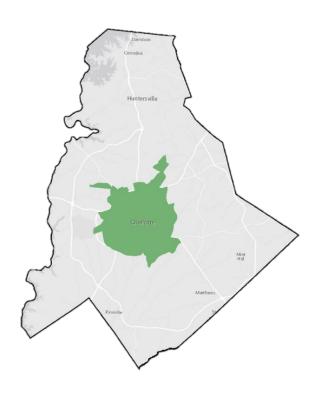
Charlotte-Mecklenburg Charlotte-Mecklenburg Charlotte-Mecklenburg Explorer

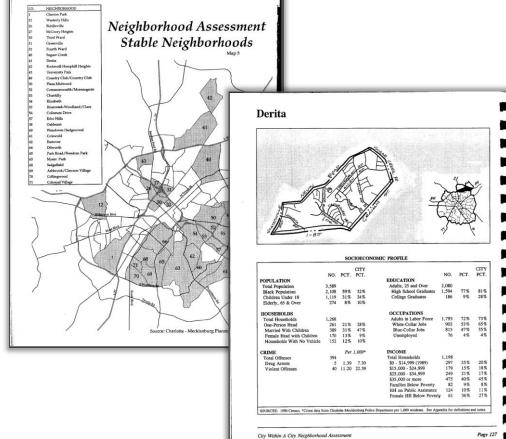
Neighborhood data to inform and inspire

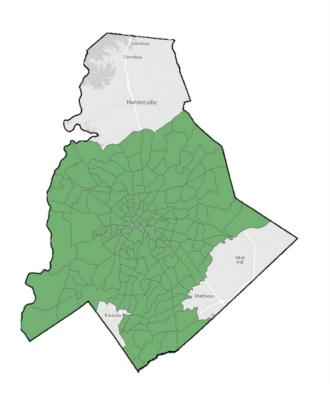




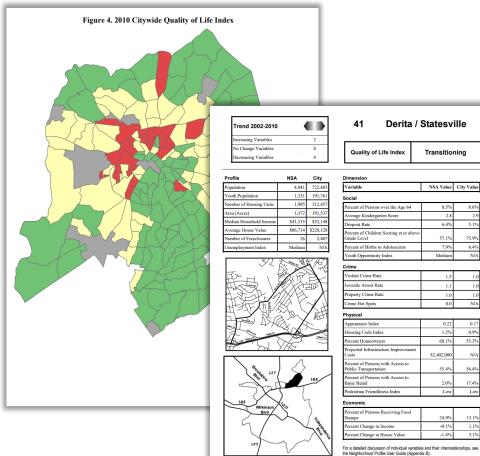






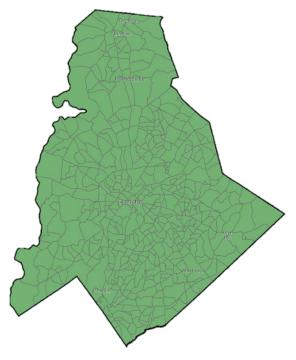


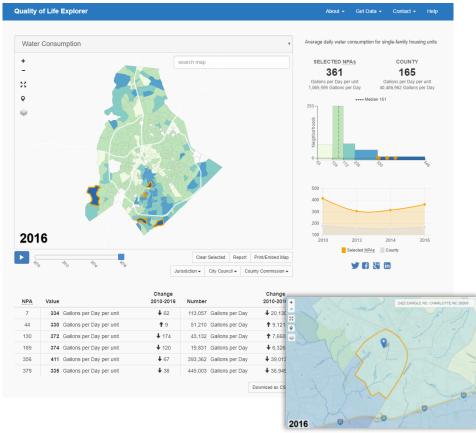
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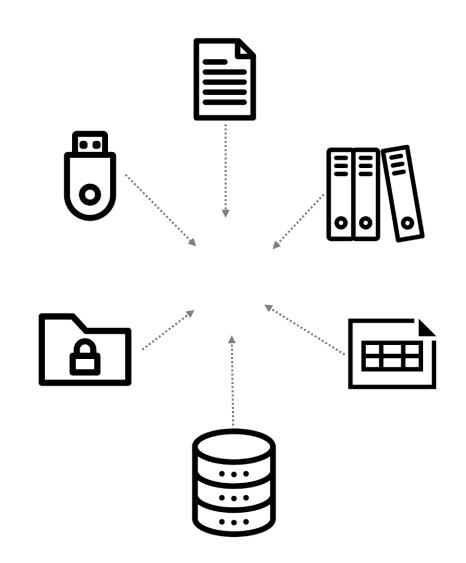
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Acquire raw datasets from partners



Process raw data into usable format



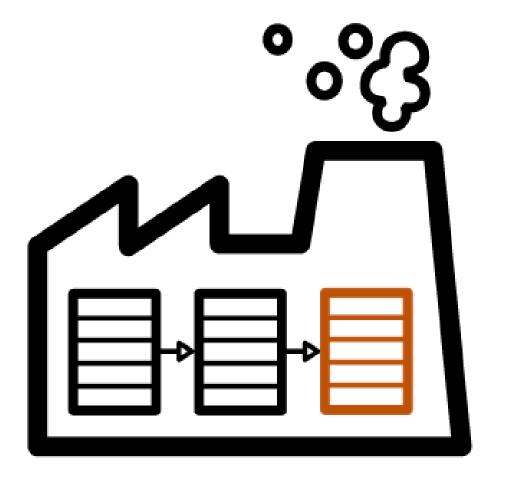
Clean Extract Format



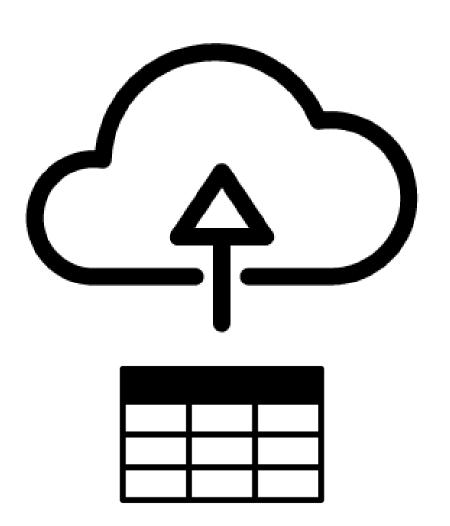
Geocode Analyze Aggregate



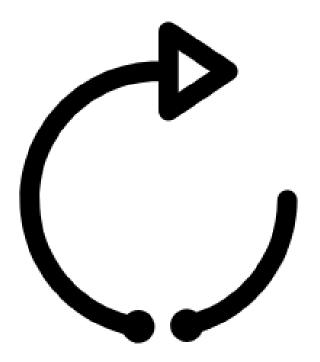
Normalize Review Format



Publish final dataset on website



Repeat regularly



https://mcmap.org/qol/

Quality of Life Explorer

About - Get Data - Contact - Help

Quality of Life Explorer

Exploring neighborhood character, economics, education, engagement, environment, health, housing, safety and transportation.

GET STARTED

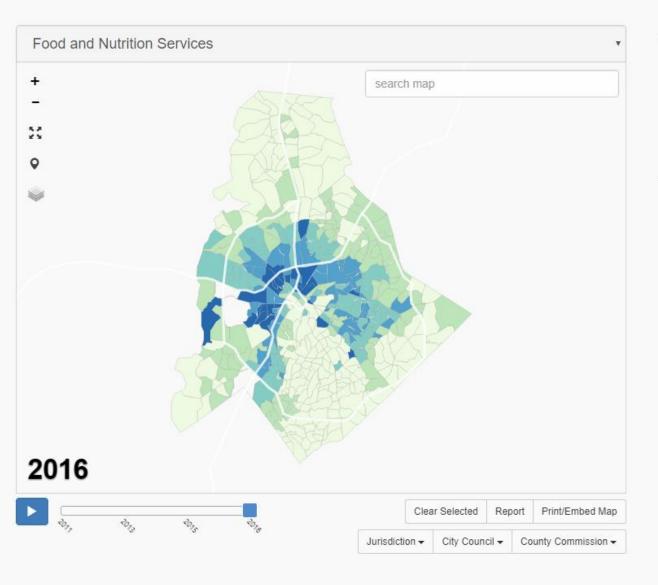






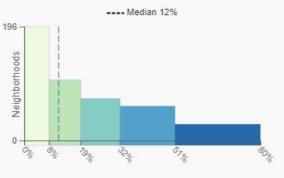
Created by Mecklenburg County, the City of Charlotte, and UNCC Source code on Github

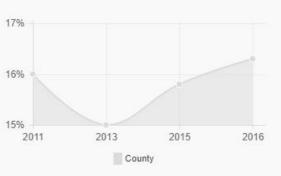
Quality of Life Explorer About → Get Data → Contact → Help



Percentage of the population who receive Food and Nutrition Services (FNS)

N/A 16%











Quality of Life Explorer

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Why This is Important

The Food and Nutrition Services (FNS) program was established to end hunger and improve the health of low-income people by helping families purchase the food they need for a nutritionally adequate diet. Benefits are able to be redeemed at most grocery stores and many farmers markets, allowing for the purchase of nutritious food while freeing up funds for other critical needs such as housing, transportation, and health care. Identifying communities with high FNS percentages is useful for service providers and neighborhoods who want to know where low-income families are located.

How are we doing?

The *percentage* of residents receiving FNS has stayed steady from 2011 to 2016. However, with population growth, the *number* of county residents receiving Food and Nutrition Services (FNS) has increased by 20,000 over the same period.

Related Variables

Public Health Insurance
Proximity to a Grocery Store
Proximity to Low-Cost Health Care
Household Income

Resource	Learn More and Take Action
Applying for Food and Nutrition Services	Check eligibility, learn more, and apply for Food and Nutrition Services.
Healthy eating on a budget	Planning and preparing healthy meals on a budget.
Where can FNS be redeemed?	Locate retailers that take FNS benefit as a form of payment.
Second Harvest Food Bank	Second Harvest Food Bank of Metrolina (SHFBM) strives through education, advocacy, and partnerships to eliminate hunger by the solicitation and distribution of food.
Care Ring	Provides access to medical and dental care to the uninsured and underinsured.
CW Williams Community Health Center	Providing comprehensive, community-oriented healthcare to the medically underserved and economically disadvantaged in Charlotte-Mecklenburg.

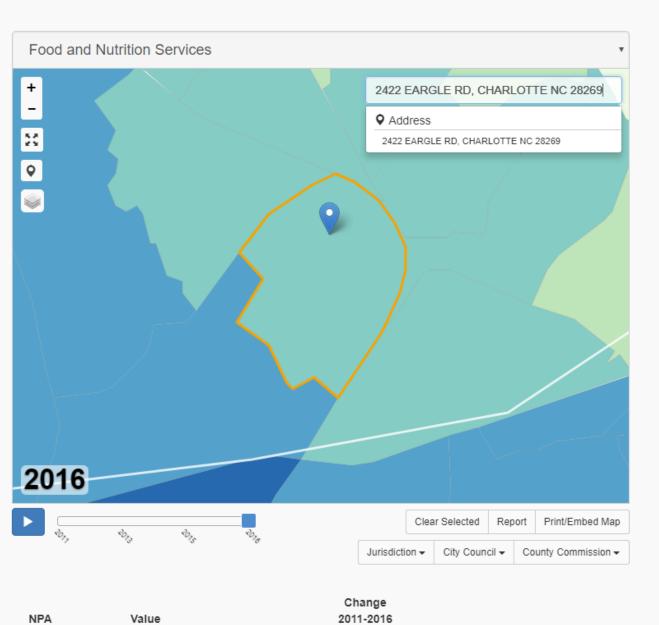
About the Data

Population receiving Food and Nutrition Services (FNS) divided by total population. Areas with fewer than 5 FNS recipients have been suppressed and are shown as N/A.

Note: Data for this variable at the Neighborhood Profile Area level are derived using individual address-level records that must be precisely located to exact addresses. It is not uncommon to have 1% to 4% of records not able to be included due to record formatting errors or the addition and subtractions of streets and housing units.

Source: Mecklenburg County Department of Social Services

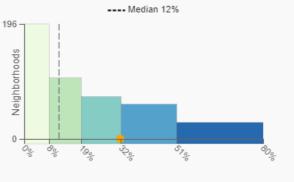
32%

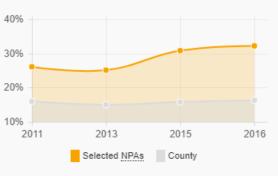


16

Percentage of the population who receive Food and Nutrition Services (FNS)

SELECTED NPAs COUNTY 32% 16%







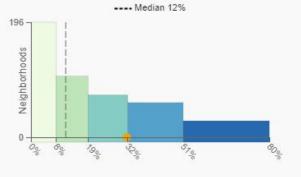




Help

Percentage of the population who receive Food and Nutrition Services (FNS)

SELECTED NPAs COUNTY 32% 16%













		Change	
NPA	Value	2011-2016	
238	32%	↑ 6	

Housing			
Variable	Selected	County	
Home Ownership (2015) Percentage of housing units that are owner-occupied.	68%	57%	
Home Sales Price (2015) Average sales price of homes.	\$88,696	\$273,064	
Housing Age (2016) Average age of single-family housing units.	37	33	Years
Housing Assistance – Development-Based (2015)	0%	3%	
Percentage of housing units with development-based rental assistance.	0	11,251	Units
Housing Code Violations (2016)	1	1	Violations per 100 Units
Housing-related code violations per 100 units	10	2.254	Violations

Summary Report

The Quality of Life Explorer is an interactive online tool to help neighborhoods, government leaders and staff, businesses, community organizations, new residents and others learn more about our county and the diverse neighborhoods within it. The Explorer features over 80 variables that reflect you, the places you live and work, and collectively, our community.

On these pages, you'll find information about the selected area's social, housing, economic and environmental conditions. Check out the Explorer online to learn more about what's happening, see trends over time, and connect to resources to take action on the issues that matter to you.

nits per Acre nits

verage Sqft

nits per 100 Acres

nits per 100 Acres

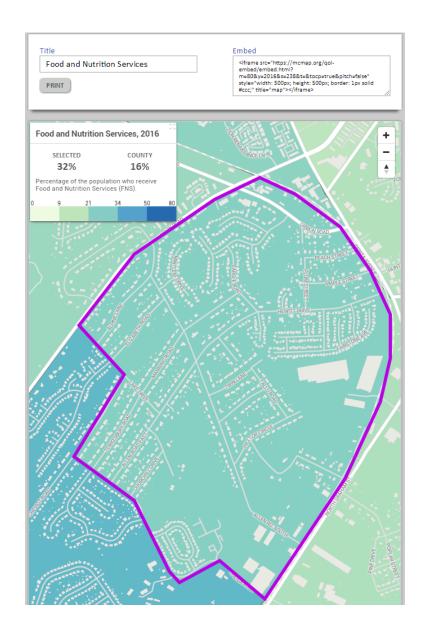
nits

nits

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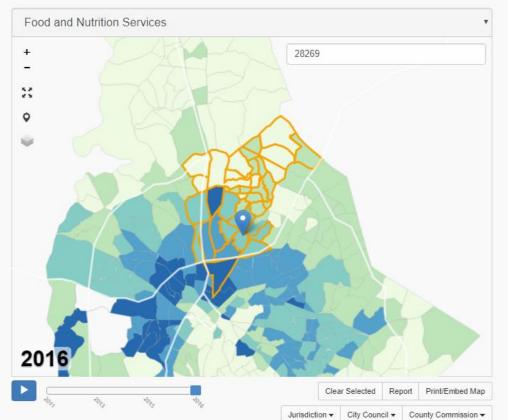
Learn More. Take Action. Create Change.

CHARACTER	EDUCATION	ECONOMY			
2,384 population	23% bachelor's degree	\$44,236 household income			
ENGAGEMENT	TRANSPORTATION	HOUSING			
71.9%	32.5% streets with sidewalks	881 housing units			
SAFETY	ENVIRONMENT	HEALTH			
38.6	49.5%	54%			
property crime rate	tree canopy	grocery store proximity			
	Quality of Life Explorer • mcmap.org/q	Quality of Life Explorer • mcmap.org/qol			



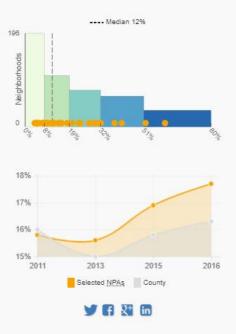
Quality of Life Explorer

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Percentage of the population who receive Food and Nutrition
Services (FNS)

SELECTED NPAs	COUNTY
18%	16%



NPA	Value	Change 2011-2016	Î
14	14%	↑ 3	
38	5%	↔ 0	
72	5%	↑ 1	
117	24%	↔ 0	
125	38%	† 11	
139	32%	† 4	
150	28%	↑ 5	
154	5%	↓ 2	
160	12%	A 5	<u> </u>

Housing			
Variable	Selected	County	
Home Ownership (2015) Percentage of housing units that are owner-occupied.	58%	57%	
Home Sales Price (2015) Average sales price of homes.	\$162,333	\$273,064	
Housing Age (2016) Average age of single-family housing units.	24	33	
Housing Assistance - Development-Based (2015)	2%	3%	

28269 Summary Report

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lations per 100 Units

lations

its per Acre

erage Sqft

ts per 100 Acres

its per 100 Acres

Learn More. Take Action. Create Change.

CHARACTER	EDUCATION	ECONOMY			
90,470 population	37% bachelor's degree	\$58,728 household income			
ENGAGEMENT	TRANSPORTATION	HOUSING			
74.4% voter participation	39.5% streets with sidewalks	35,777 housing units			
SAFETY	ENVIRONMENT	HEALTH			
41.3	43.4%	29%			
property crime rate	tree canopy	grocery store proximity			
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Title Embed <iframe src="https://mcmap.org/qoi-embed/embed.html? m=808/y=20168s=14,38,117,72,260,264,265,125,13 9,154,150,160,363,207,195,218,232,238,237,250,28 0,274,275,276,277,279,281,282,283,328,329,305,37 Food and Nutrition Services PRINT Food and Nutrition Services, 2016 SELECTED COUNTY 16% 18% Percentage of the population who receive Food and Nutrition Services (FNS). 185 Quality of Life Explorer • mcmap.org/qol

