

# Mapping School Zones in NYC

KWIC 2014 Webinar Series

Thursday, September 25, 2014

1:00 pm – 2:00 pm



# Webinar Outline

- o Overview of community data sources
  - o KWIC county level data
  - o US Census, American Community Survey data
  - o Esri geo-enriched boundaries
- o NYC is Unique
- o Tour of KWIC mapping tool
  - o Boundaries
  - o Community Assets
- o Step by Step re-cap
- o Q&A – also, anytime throughout webinar

# KWIC Data Sources

## New York State

- KWIC has presented New York State data on child well-being since 2002
- Touchstones goals & objectives developed together in early 1990's
- Users have consistently asked for sub-county level data
- State Agencies & CCF

## Esri ArcGIS online

- Esri demographic analysis allows for geo-enriched boundaries on KWIC.

## Federal Government

- American Community Survey is part of the US Census
- ACS gathers data in between the decennial census
- Offers free geographic boundaries to public
- Offers (raw) data free to public via American FactFinder2

# Data Types

## Quality Measurement

- Professional level of staff
- Standards & guidelines in practice
- “success or client movement”

## System Indicators

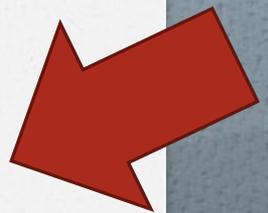
- Length of Stay
- Intensity of slots available
- Waiting list(s)
- Diagnoses of clientele (severity of cases)
- Staff turnover

## Individual Data / Cohort

- Clinical
- Developmental Status
- Demographic
- Status of health / illness

## Community

- Health of all children
- Well-being of all families
- Crime
- Unemployment
- Educational attainment



# KWIC Maps Contain Unique Data

## NEW Boundaries

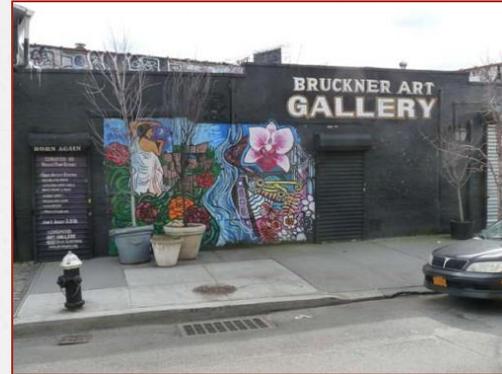
- o School district boundaries contain a combination of school districts and NYC geographic school districts
- o County subdivisions contain a combination of county subdivisions and NYC PUMAs
- o School district boundaries contain a combination of NYS Education Department BEDS data and graduation cohort data

## New York City is UNIQUE

- o NYC 32 Geographic School Districts
- o NYC PUMAs contain several communities in a borough

# You Can Map & Download these Data on KWIC

- All boundary data can now be mapped.
- All boundary and community asset data can be downloaded



# Data Available at Different Boundaries

- Children Age 4
- Adults 25+ Grad HS
- Adults 18+ Recent Voters
- Adults Attend School/Town Mtg
- Children 3+ Enroll Nursery/PK
- Households Below Poverty
- 2013 Diversity Index
- Population by Age
- Population by Race

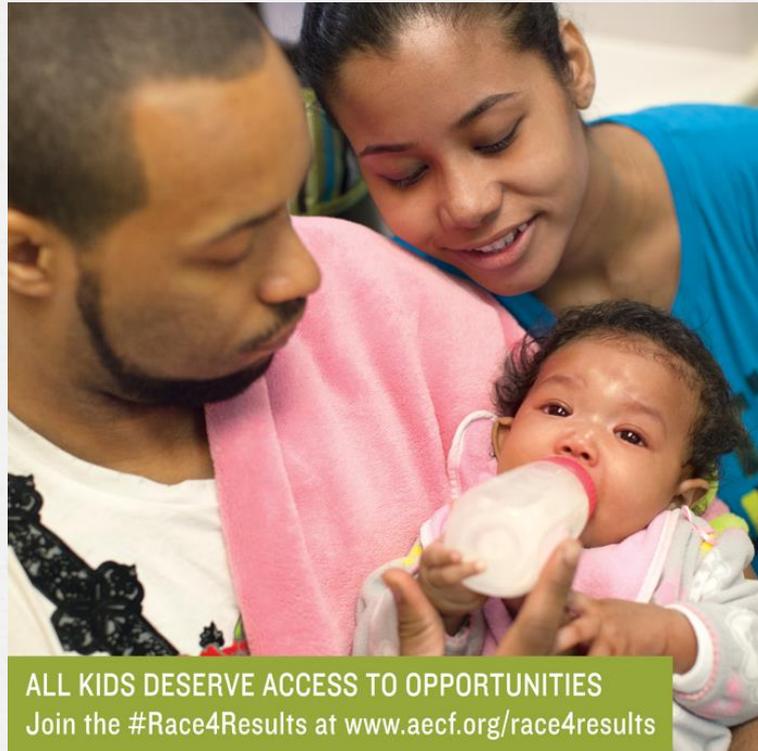
*New this summer*

# Diversity Index

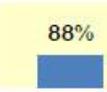
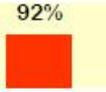
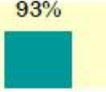
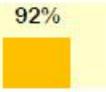
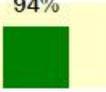
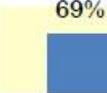
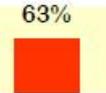
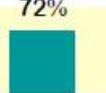
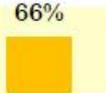
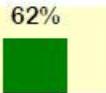
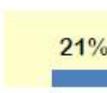
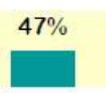
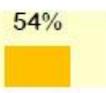
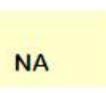
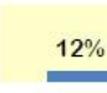
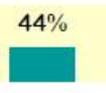
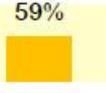
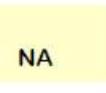
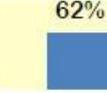
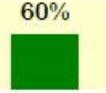
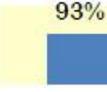
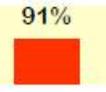
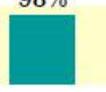
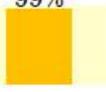
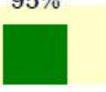
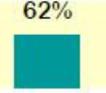
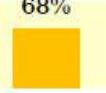
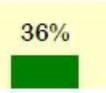
The Diversity Index from Esri represents the likelihood that two persons, chosen at random from the same area, belong to different race or ethnic groups.



# Race Matters



ALL KIDS DESERVE ACCESS TO OPPORTUNITIES  
Join the #Race4Results at [www.aecf.org/race4results](http://www.aecf.org/race4results)

<b>Race for Results - NY:</b> Building a Path to Opportunity for All Children	Non-Hispanic Black or African American	Hispanic or Latino	Non-Hispanic White	Non-Hispanic Asian Pacific Islander	Non-Hispanic American Indian Alaska Native
Babies born at normal birthweight	88% 	92% 	93% 	92% 	94% 
Children Ages 3 to 5 Enrolled In Nursery School, Preschool or Kindergarten	69% 	63% 	72% 	66% 	62% 
4th Graders Who Scored At or Above Proficient in Reading	21% 	21% 	47% 	54% 	NA 
8th Graders Who Scored At or Above Proficient in Math	12% 	14% 	44% 	59% 	NA 
Averaged Freshman Graduation Rate (AFGR)	62% 	61% 	87% 	92% 	60% 
Females Ages 15 to 19 Who Delay Childbearing Until Adulthood	93% 	91% 	98% 	99% 	95% 
Young Adults Ages 25 to 29 Who Have Completed an Associate's Degree or Higher	33% 	25% 	62% 	68% 	36% 



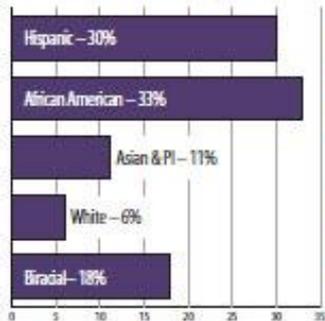
# COMMUNITY



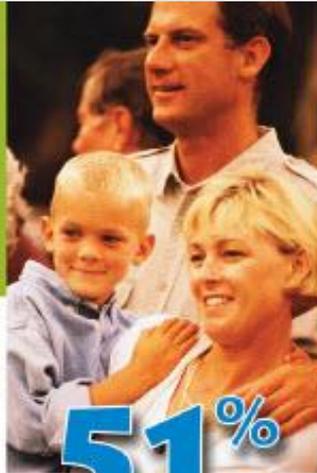
16%

of New York children live in areas of concentrated poverty

*Children Living in Areas of Concentrated Poverty, 2011*



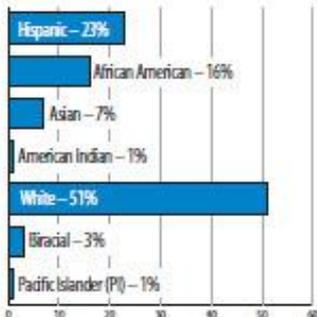
- Poor individuals and families are not evenly distributed across communities or throughout the country.
- Poor individuals and families tend to



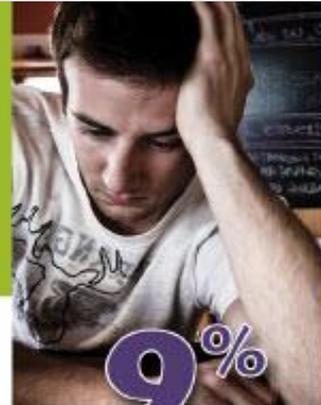
51%

of New York children are white

*Child Population, 2011*



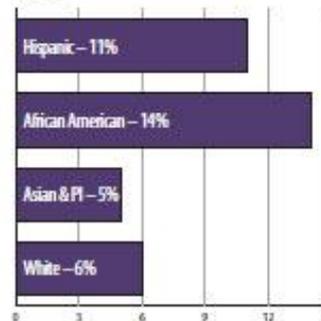
- White, non-Hispanic children make up 51% of all children under 18 years old.
- Soon New York State will have



9%

of individuals 16 years and older are unemployed in New York

*Unemployment, September 2012*



- Children in families suffering from parental unemployment are at risk for missing school, changing schools, and increased familial stress due to financial situations.



## How are the kids in your state?

A child's chances of thriving depend not just on individual, familial and community characteristics, but also on the state in which she or he is born and raised.

[datacenter.kidscount.org](http://datacenter.kidscount.org)

THE ANNIE E. CASEY FOUNDATION

# KWIC Mapping Tool DEMO

- o Live tour of the KWIC website and mapping tool for NYC neighborhoods.



# Step-by-Step Re-Cap



# Step 1



**Download mapping tips document.**

# Step 2

**KWIC Maps**

Special Achievement in GIS 2014 Award Winner

Tips for Mapping Tools

**KWIC County Data (Rate):**  
Select an Indicator

**County Demographic Data:**  
Select an Indicator

**View Boundary Overlay:**

- Counties
- School Districts
- US Congressional Districts
- NYS Senate Districts
- NYS Assembly Districts
- County Subdivisions

**Community Assets:**

- No Community Assets
- Public School Locations
- Early Head Start Sites
- Head Start Sites
- WIC Locations
- Career Centers

www.nyskwic.org/pdfs/mappingHelp.pdf

© 2014 Nokia, © 2014 Microsoft Corporation

**Choose a boundary to map.**

# Step 3

The screenshot displays the KWIC Maps web application. At the top left, the logo for "KWIC Maps" is shown, with the tagline "K-12 Web-based Indicators Clarification". To the right, an ESRI logo is accompanied by the text "Special Achievement in GIS 2014 Award Winner" and "Tips for Mapping Tools" with a PDF icon. The main map area shows a street grid in Flushing, Queens, NY, with a search box at the top left containing "Flushing, Queens, NY" and a "Switch Basemap" button. The map is overlaid with various colored lines representing different data layers. On the right side, there are three data overlay panels: "KWIC County Data (Rate)" with a dropdown menu for "Select an Indicator"; "School District Data" with a dropdown menu for "Select an Indicator"; and "View Boundary Overlay" with radio buttons for "Counties", "School Districts", "US Congressional Districts", "NYS Senate Districts", "NYS Assembly Districts", and "County Subdivisions". Below these is a "Community Assets" panel with checkboxes for "No Community Assets", "Public School Locations", "Early Head Start Sites", "Head Start Sites", "WIC Locations", and "Career Centers". The map includes labels for "New York", "Long Island", and "Queens". The bottom of the map shows copyright information: "© 2014 Nokia, © AND, © 2014 Microsoft Corporation" and the ESRI logo.

Use search box to locate your community.

# Step 4

**KWIC Maps**  
K-12 Well-being Indicators Dashboard

Special Achievement in GIS  
2014 Award Winner  
Tips for Mapping Tools PDF

Search: Flushing, Queens, NY  
Switch Basemap

**(1 of 2)**  
**NEW YORK CITY GEOGRAPHIC DISTRICT #25 - QUEENS COUNTY**

- K-12 Total Enrollment: 33,680
- Average Daily Attendance Rate: 0.93
- Suspensions: 4%
- Free/Reduced Price Lunch: 71%
- Limited English Proficiency: 19%
- Eng Lang Arts Proficient Gr4: 68%
- Math Proficient Gr 8: 73%
- 2008 Cohort Graduation Rate (Class of 2012): 62.8%
- Pop 25+ Grad HS Num: 56,909
- Voted in Fed/State/Local Elections Num: 84,006

Zoom to

**KWIC County Data (Rate):**  
Select an Indicator

**School District Data:**  
Select an Indicator

**View Boundary Overlay:**

- Counties
- School Districts
- US Congressional Districts
- NYS Senate Districts
- NYS Assembly Districts
- County Subdivisions

**Community Assets:**

- No Community Assets
- Public School Locations
- Early Head Start Sites
- Head Start Sites
- WIC Locations
- Career Centers

**Click on the boundary to see data in the pop-up box.**

# Step 5

**KWIC Maps**

Special Achievement in GIS  
2014 Award Winner

Tips for Mapping Tools PDF

Flushing, Queens, NY

Switch Basemap

(1 of 2)

3+ in Nursery/Preschool Num: 3,899  
Households w/Income Below Poverty Num: 15,081  
2013 Diversity Index: 73.1  
Total Population Num: 296,871

Student Enrollment by Grade

Grade	Enrollment
PK	3,899
1	2,800
2	2,800
3	2,800
4	2,800
5	2,800
6	2,800
7	2,800
8	2,800
9	2,800
10	2,800
11	2,800
12	2,800

Zoom to

**KWIC County Data (Rate):**  
Select an Indicator

**School District Data:**  
Select an Indicator

**View Boundary Overlay:**

- Counties
- School Districts
- US Congressional Districts
- NYS Senate Districts
- NYS Assembly Districts
- County Subdivisions

**Community Assets:**

- No Community Assets
- Public School Locations
- Early Head Start Sites
- Head Start Sites
- WIC Locations
- Career Centers

Scroll down to see the infographics.

# Step 6



**KWIC Maps**  
Kids Web-being indicators  
Classroom

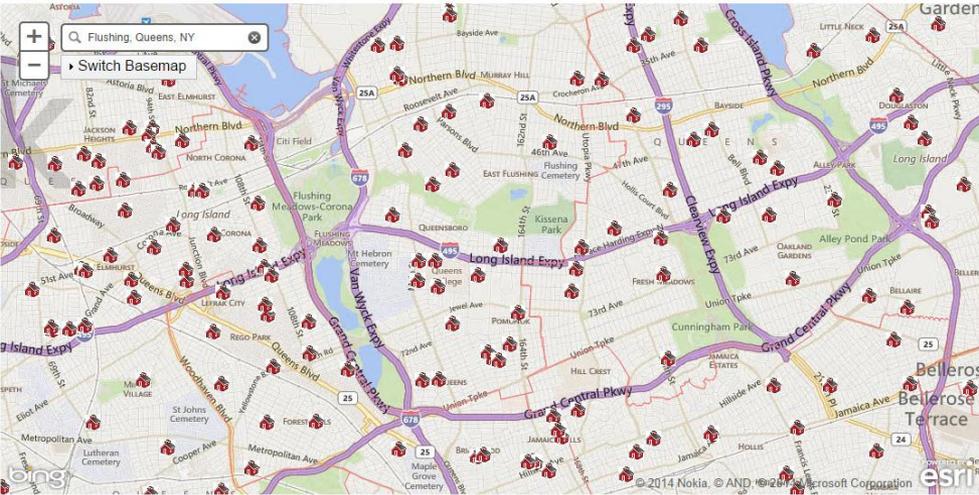


Special Achievement in GIS  
2014 Award Winner

Tips for Mapping Tools 

Flushing, Queens, NY

Switch Basemap



© 2014 Nokia, © AND © 2014 Microsoft Corporation

Select an Indicator

**School District Data:**  
Select an Indicator

**View Boundary Overlay:**

- Counties
- School Districts
- US Congressional Districts
- NYS Senate Districts
- NYS Assembly Districts
- County Subdivisions

**Community Assets:**

- No Community Assets
- Public School Locations
- Early Head Start Sites
- Head Start Sites
- WIC Locations
- Career Centers

**Choose the community assets to map.**

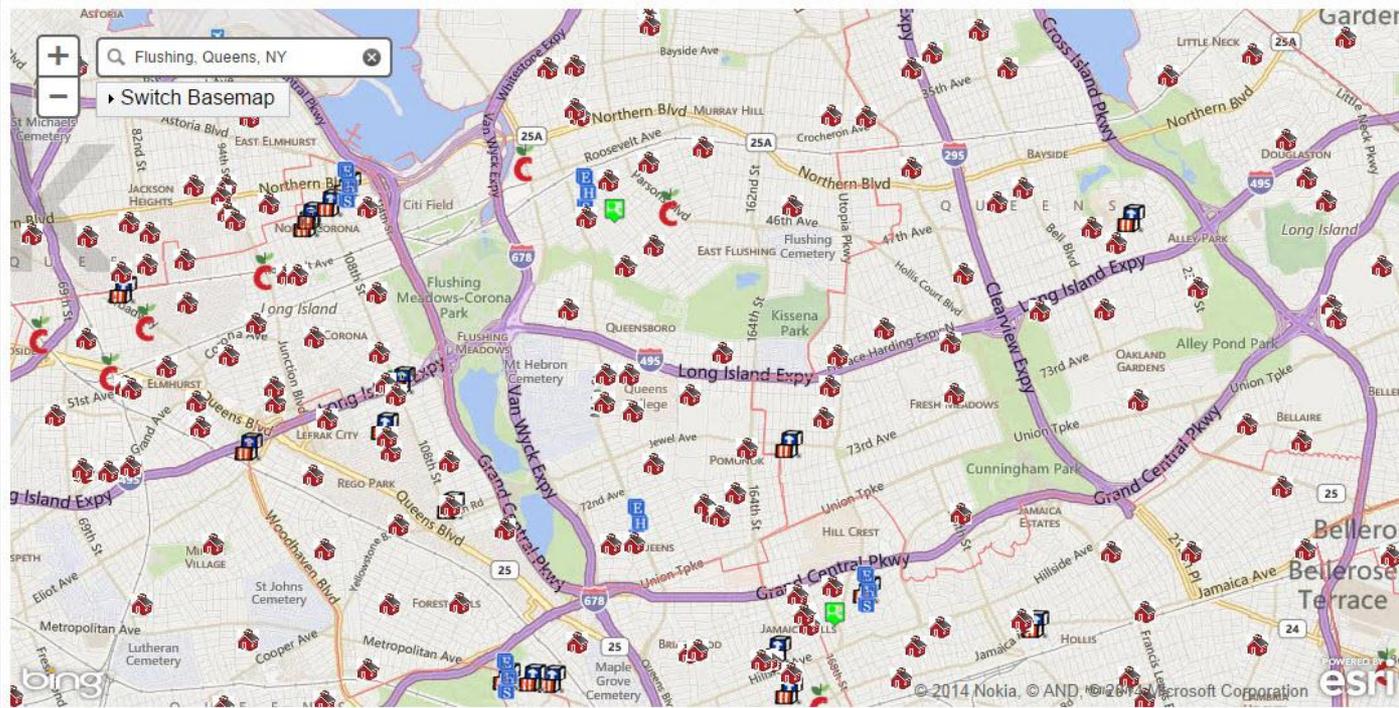


KWIC Maps



Special Achievement In GIS  
2014 Award Winner

Tips for  
Mapping Tools



Select an Indicator

School District Data:

Select an Indicator

View Boundary Overlay:

- Counties
- School Districts
- US Congressional Districts
- NYS Senate Districts
- NYS Assembly Districts
- County Subdivisions

Community Assets:

- No Community Assets
- Public School Locations
- Early Head Start Sites
- Head Start Sites
- WIC Locations
- Career Centers



# Step 7

**KWIC Maps**  
K-12 Web-based Indicators  
Classroom

Special Achievement in GIS  
2014 Award Winner

Tips for Mapping Tools PDF

Flushing, Queens, NY

Switch Basemap

(1 of 3)

**THE ACTIVE LEARNING ELEMENTARY SCHOOL - NEW YORK CITY GEOGRAPHIC DISTRICT #25 - QUEENS COUNTY**

Total School Enrollment: 337  
Average Daily Attendance Rate: 0.96  
Suspensions: 0%  
Free/Reduced Price Lunch: 77%  
Limited English Proficiency: 51%  
Eng Lang Arts Proficient Gr4: %  
Math Proficient Gr 8: %  
2008 Cohort Graduation Rate All Students (Class of 2012): %  
Charter School: No  
Zoom to

Select an Indicator

School District Data:  
Select an Indicator

View Boundary Overlay:

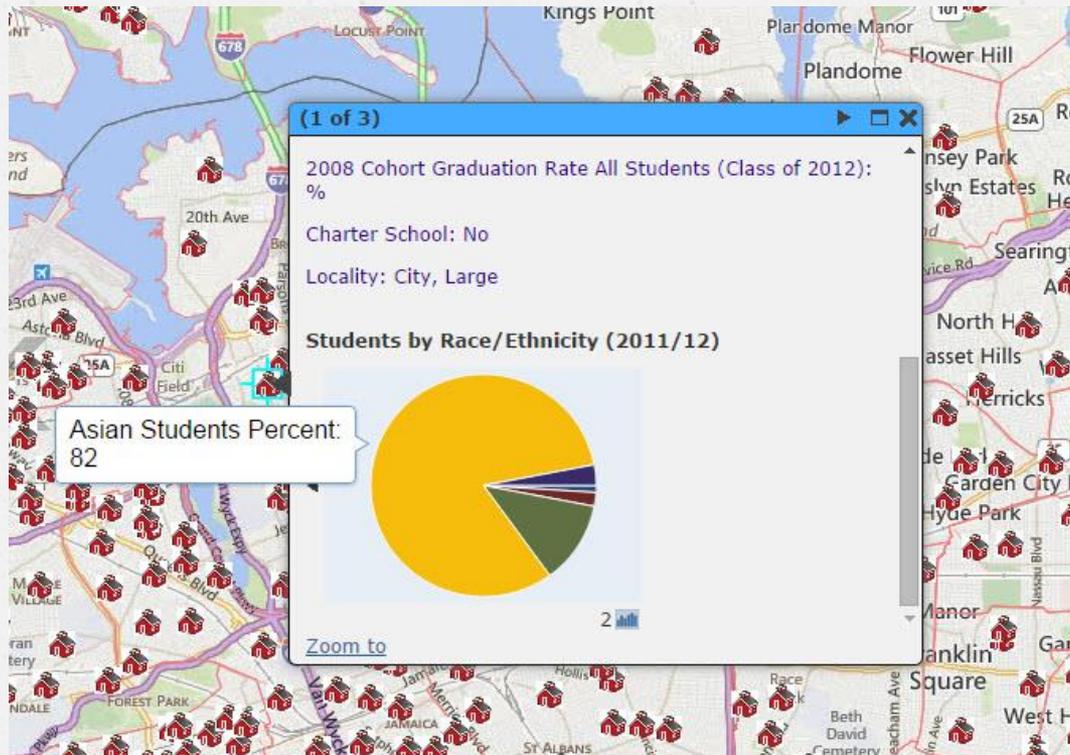
- Counties
- School Districts
- US Congressional Districts
- NYS Senate Districts
- NYS Assembly Districts
- County Subdivisions

Community Assets:

- No Community Assets
- Public School Locations
- Early Head Start Sites
- Head Start Sites
- WIC Locations
- Career Centers

Click on icon to see data in pop-up box.

# Students by Race & Ethnicity



# Step 8

**KWIC County Data (Rate):**  
Select an Indicator ▼

**County Demographic Data:**  
Select an Indicator ▼

**View Boundary Overlay:**

- Counties 
- School Districts 
- US Congressional Districts  
- NYS Senate Districts 
- NYS Assembly Districts 
- County Subdivisions 

**Community Assets:**

- No Community Assets
-  Early Head Start Sites 
-  Head Start Sites 
-  WIC Locations 
-  DOL One Stops 
-  Public School Locations  

o Download data for boundary.

o Download data for community assets.

# Data Dictionary for Each Boundary



## KWIC Boundary Info:

School Districts

Source: **School District Boundary:** Boundary shapefile is a combination of the US Census - Tiger Files - 2010 Census and a shapefile from NYC Open Data website containing NYC Geographic School Districts downloaded November 2013. **School District Data:** NYS Education Department BEDS data - November 2013.

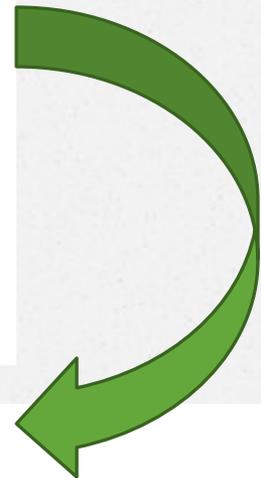
## Listing For: School Districts



[Data Dictionary](#)

Show  entries  Search:

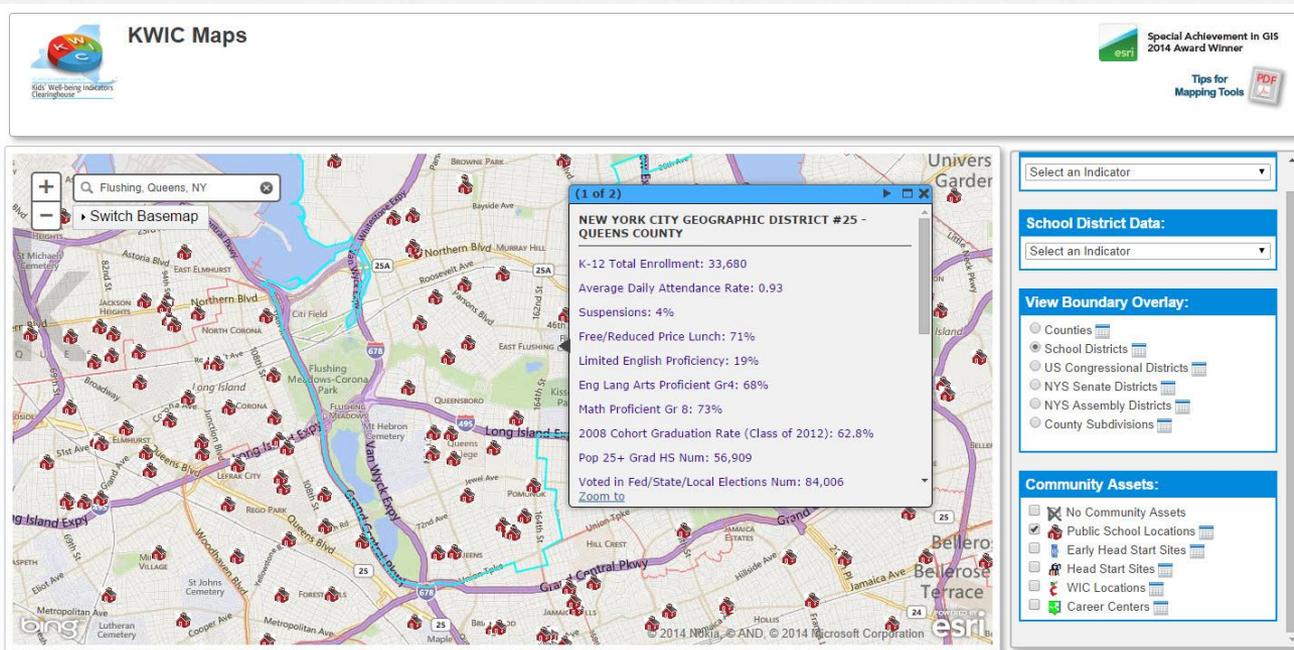
BEDS Code	School District Name	County Name	K-12 Total Enrollment	PK Enrollment	K-Half Day Enrollment	K-Full Day Enrollment	G1 Enrollment	G2 Enrollment	G3 Enrollment	G4 Enrollment	G5 Enrollment
[570101040000]	ADDISON CENTRAL SCHOOL DISTRICT	STEUBEN	1,135	71	Not applicable or missing	84	79	75	94	86	10



## Kids Well-Being Indicator Clearinghouse (KWIC) NYS School Districts Data Dictionary

FIELD NAME	DEFINITION OF DATA	DATA SOURCE	YEAR	MORE INFORMATION
BEDS Code	12-digit Basic Educational Data System (BEDS) code that uniquely identifies the entity (school, district, etc.).	NY State Education Department, Basic Educational Data System (BEDS)	School Year 2011/12	<a href="https://reportcards.nysed.gov/counties.php?year=2012">https://reportcards.nysed.gov/counties.php?year=2012</a>
School District Name	Name of school district	NY State Education Department, Basic Educational Data System (BEDS)	School Year 2011/12	<a href="https://reportcards.nysed.gov/counties.php?year=2012">https://reportcards.nysed.gov/counties.php?year=2012</a>
County Name	Name of county	NY State Education Department, Basic Educational Data System (BEDS)	School Year 2011/12	<a href="https://reportcards.nysed.gov/counties.php?year=2012">https://reportcards.nysed.gov/counties.php?year=2012</a>

# New York City Geographic School Districts

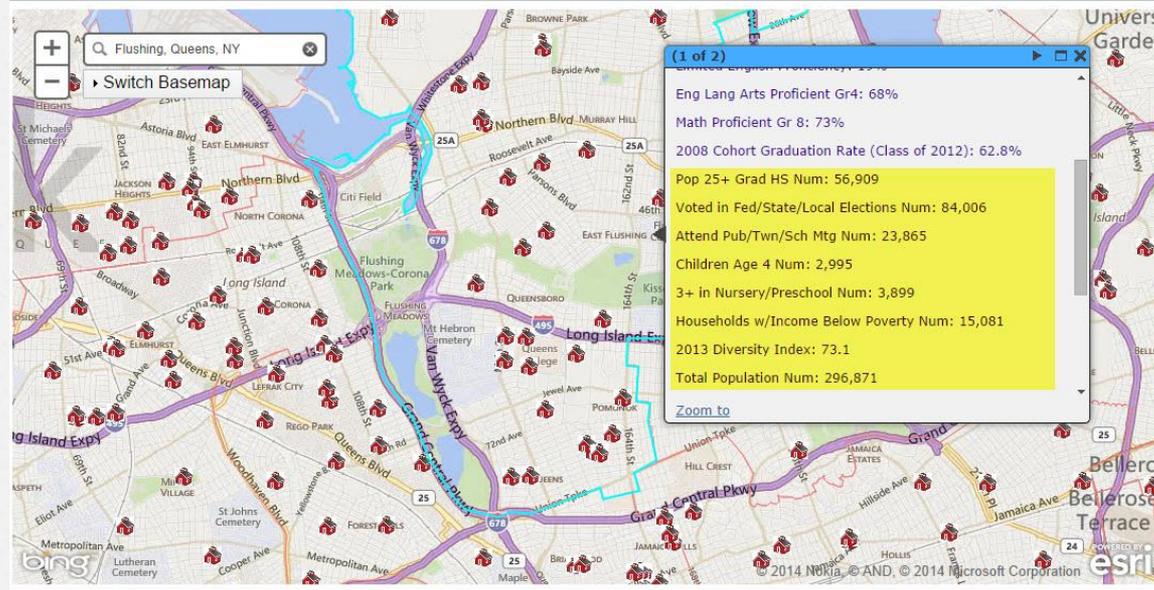


# Added Esri (Extra) Data to NYC School Boundary



KWIC Maps

KWIC Web-based Indicators Clearinghouse



School District Boundary  
Data from both NYS  
Education Dept. and ESRI  
American Community  
Survey analysis

# KWIC Maps Contain Unique Data

## NEW Boundaries

- o School district boundaries contain a combination of school districts and NYC geographic school districts
- o County subdivisions contain a combination of county subdivisions and NYC PUMAs
- o School district boundaries contain a combination of NYS Education Department BEDS data and graduation cohort data

## New York City is UNIQUE

- o NYC 32 Geographic School Districts
- o NYC PUMAs contain several communities in a borough

# Community Assets

## Community Assets:

-  No Community Assets
-  Public School Locations 
-  Early Head Start Sites 
-  Head Start Sites 
-  WIC Locations 
-  Career Centers 

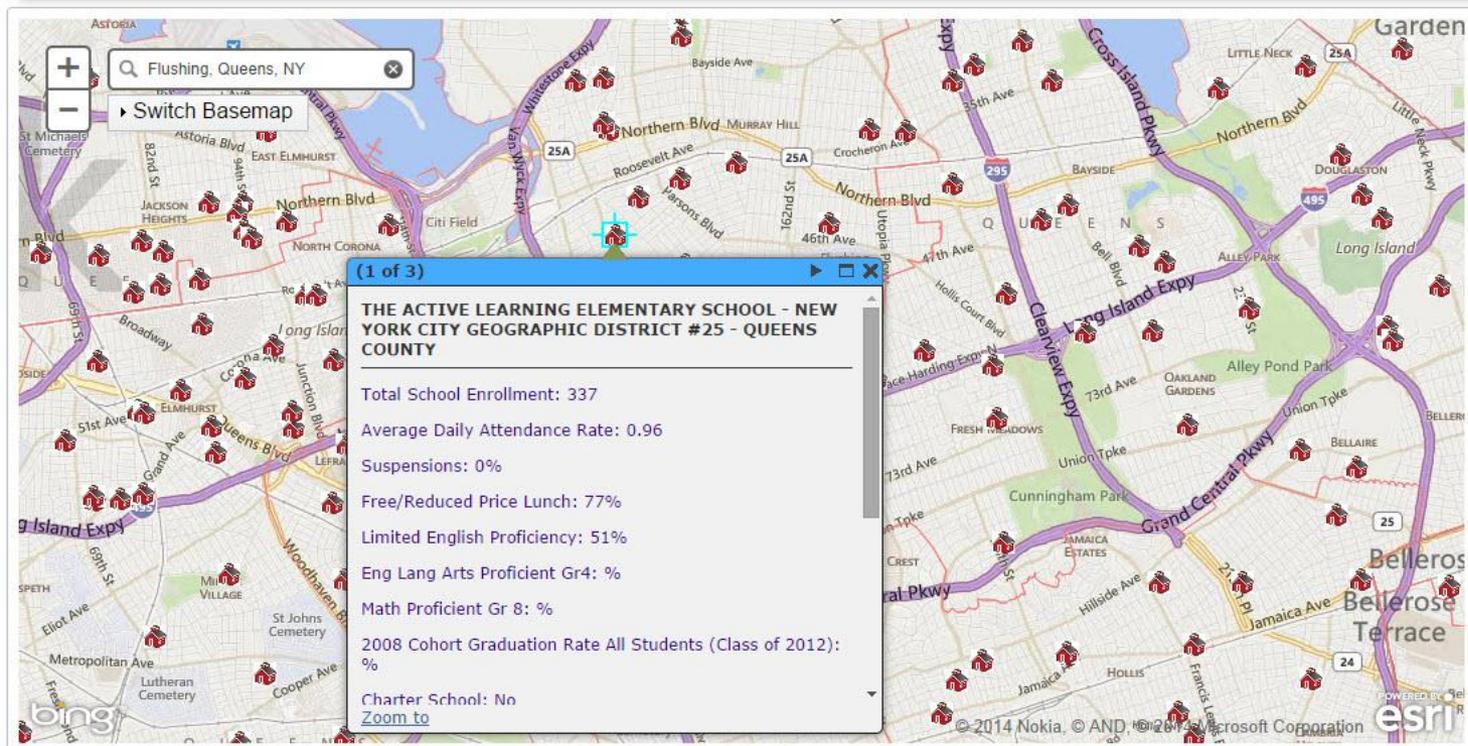
# Public Schools



KWIC Maps

Special Achievement in GIS  
2014 Award Winner

Tips for  
Mapping Tools



Select an Indicator

**School District Data:**

Select an Indicator

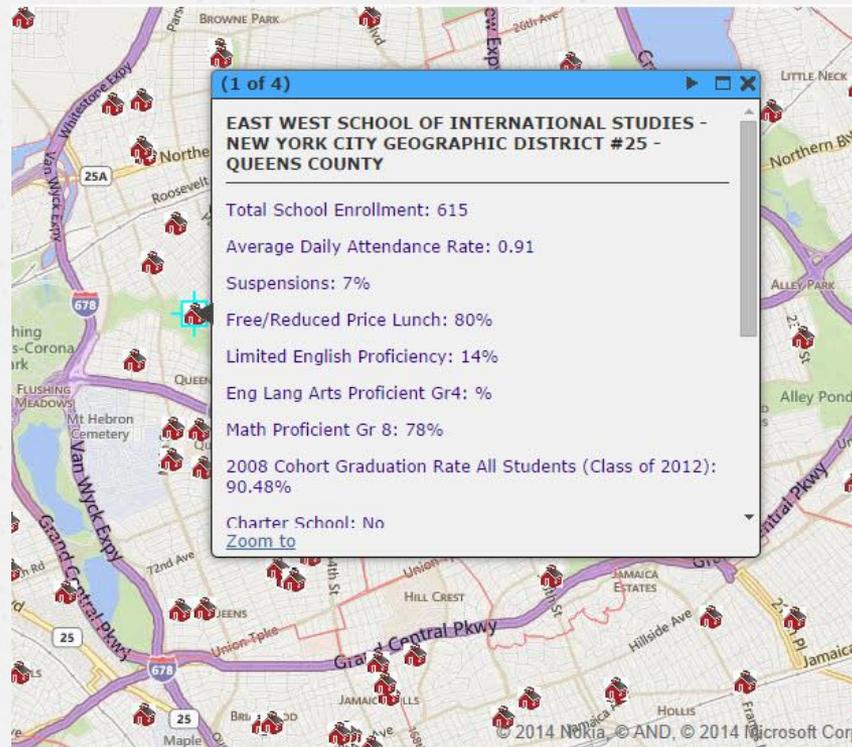
**View Boundary Overlay:**

- Counties
- School Districts
- US Congressional Districts
- NYS Senate Districts
- NYS Assembly Districts
- County Subdivisions

**Community Assets:**

- No Community Assets
- Public School Locations
- Early Head Start Sites
- Head Start Sites
- WIC Locations
- Career Centers

# Public School Data by Building via *NYS Education Dept.*



# KWIC data describe our communities

New York State

State Agencies

Search all of NY.gov

SEARCH | SUBSCRIBE | CONTACT US



HOME

ABOUT KWIC

GET DATA

DATA TOOLS

RESOURCES

LEARN MORE

## KWIC Indicator Data

Select an indicator from one of the life areas below and view the data for every county in the state.

▶ Economic Security

▶ Physical and Emotional Health

▶ Education

▶ Civic Engagement

▶ Family

▶ Community

View the on-demand Indicator Report tutorial.

- [Indicator Report \(Video\)](#)

[PRIVACY POLICY](#) | [CONTACT US](#) | [SITE MAP](#)

©2003-2014 by KWIC. All rights reserved. Site created by [CCF](#) and [Cogent Technologies, Inc.](#) The KWIC website is partially funded by the [Annie E. Casey Foundation](#).  
Permission to copy, reprint, or otherwise distribute KWIC data is granted as long as appropriate acknowledgement is given.  
When citing data from the website, please use: Council on Children and Families, Kids' Wellbeing Indicators Clearinghouse (KWIC), [www.nyskwic.org](http://www.nyskwic.org)

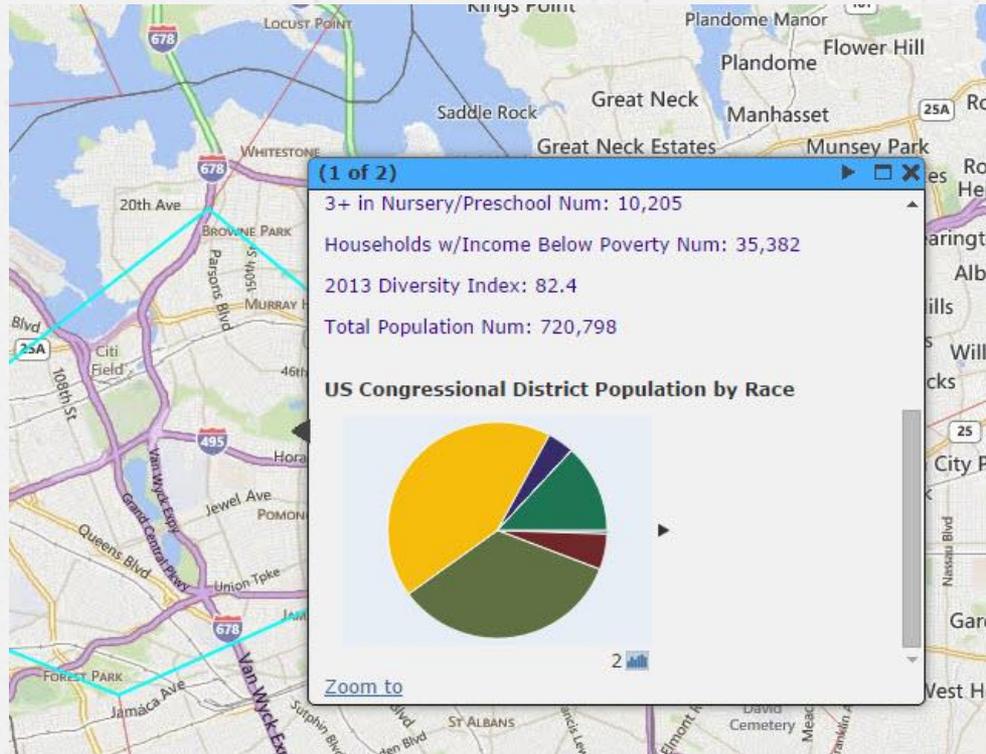
# Data Available at Different Boundaries

- Children Age 4
- Adults 25+ Grad HS
- Adults 18+ Recent Voters
- Adults Attend School/Town Mtg
- Children 3+ Enroll Nursery/PK
- Households Below Poverty
- 2013 Diversity Index
- Population by Age
- Population by Race

# New York's geographic areas on KWIC

- o County
- o County sub-divisions (NYC PUMAs)
- o US Congressional districts
- o NYS Assembly & Senate districts
- o School districts (NYC geographic school districts)

# Race & Ethnicity by Geographic Area on KWIC



# Thank YOU!



# KWIC Team



Cate Teuten Bohn	Robin Miller	Mary De Masi
KWIC Coordinator	KWIC GIS Specialist	NY KIDS COUNT Director
<a href="mailto:Cate.Bohn@ccf.ny.gov">Cate.Bohn@ccf.ny.gov</a>	<a href="mailto:Robin.Miller@ccf.ny.gov">Robin.Miller@ccf.ny.gov</a>	<a href="mailto:Mary.DeMasi@ccf.ny.gov">Mary.DeMasi@ccf.ny.gov</a>

