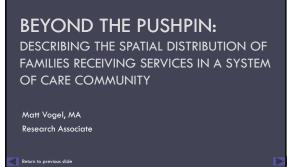
USING GEOSPATIAL TECHNIQUES TO CONDUCT PROGRAM EVALUATION AND INFORM SERVICE DELIVERY

Symposium Chair: Rose Greene Discussant: Lynn Warner Presenters: Matt Vogel, LuAnn McCormick

Presented at the 23rd Annual Children's Mental Health Research & Policy Conference :: Tampa, FL :: March 8, 2010

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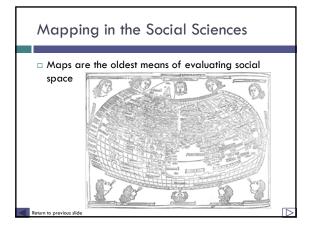


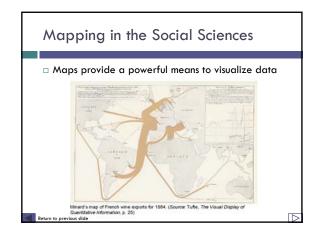
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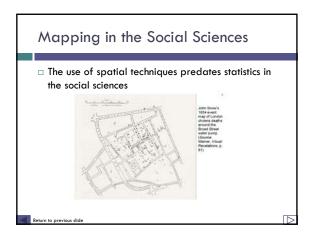
Overview

- Mapping in the Social Sciences
- Mapping and Children's Mental Health
- Spatial Description of Families Presenting in the Albany County System of Care
 - Descriptive Statistics
 - Clustering of Families
 - Spatial Dependence

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Mapping and Children's Mental Health

- How can mapping contribute to our understanding of children's mental health?
 - Identify target areas for at-risk populations
 - Inform service locations
 - Gain insight on service utilization
 - Provide more comprehensive description of populations served
 - Examine spatial patterns

Families Together in Albany County The papers in this symposium all use information from families presenting in the Albany County System of Care between January 1, 2006 and December 31, 2008. Demographic information was taken from the EDIF N = 1328 Family home addresses at intake were collected as part of our MIS tracking system These addresses were geo-coded to latitude and longitude (N = 1195 matches)

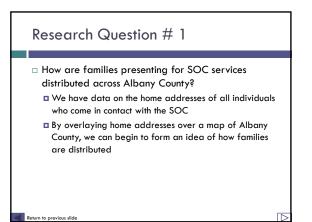
Describing the Area Albany County, New York (2008)

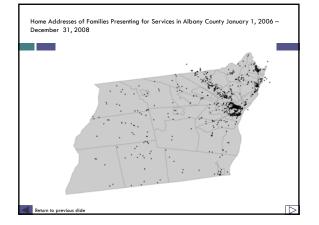
- Part of the Albany-Schenectady-Troy Metropolitan area
- Population of roughly 300,000
- 20 percent of the population is younger than 18
- Median Household Income \$57,000
- 12 percent of families are below the poverty line
- \blacksquare 10 percent of the population lives in rural areas

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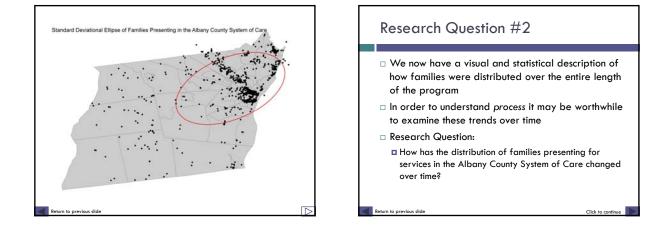


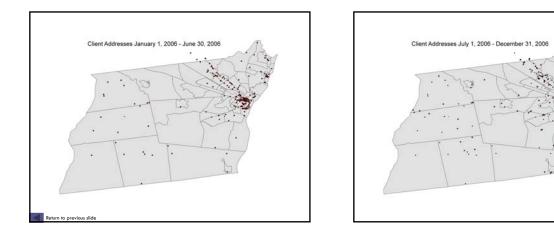


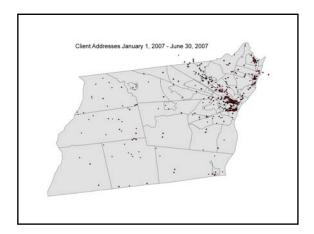
- □ We now have a rough idea of where families are coming from...
- As with ordinary data, we can apply descriptive statistics to spatial data to provide a more concise assessment of patterns
 - Mean

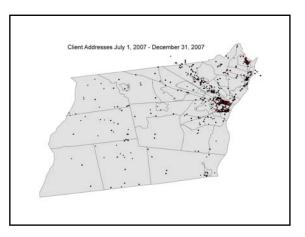
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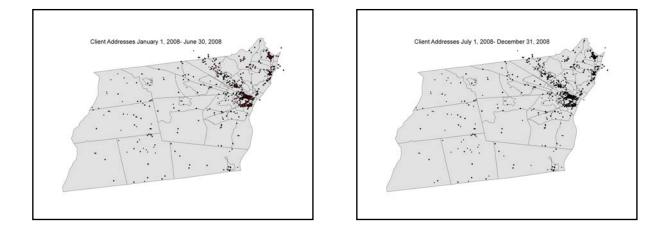
Standard Deviation

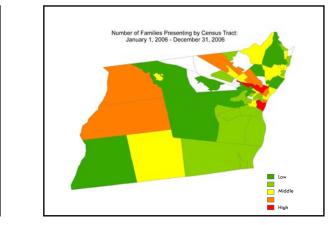


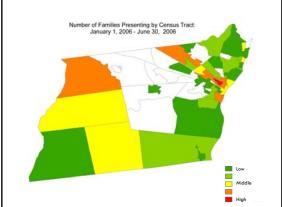


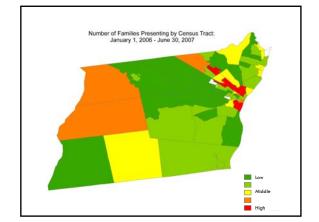


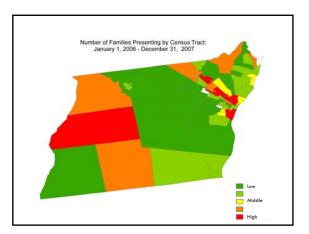


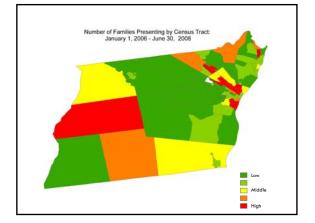


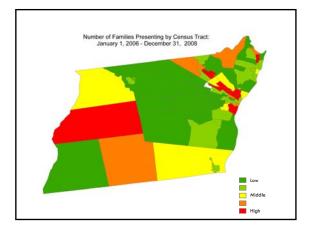


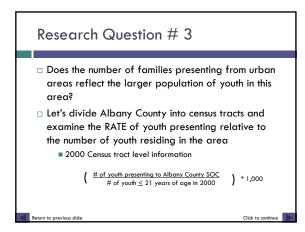


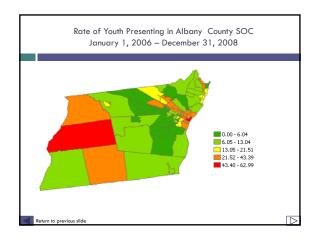












Brief Conclusions

- Majority (66%) of families are presenting in the area of the Albany City Proper
- There are two primary clusters where a large number of families are entering relative to the population of eligible aged youth
 Rural and Urban Settings
- There is something unique about where families are coming from in Albany County
 Probably due to proximity to service center

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USING SPATIAL TECHNIQUES TO EXAMINE RURAL/URBAN DIFFERENCES IN SERVICE USE IN A SYSTEM OF CARE

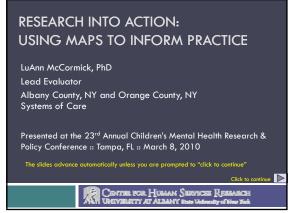
Matt Vogel, MA Research Associate

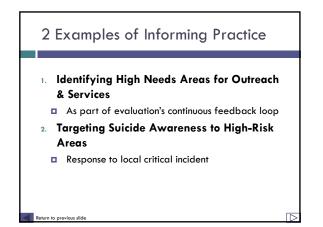
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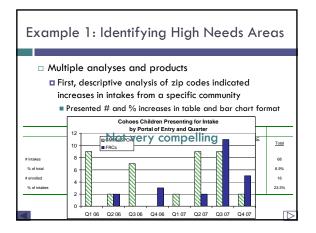
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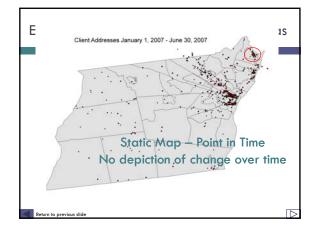
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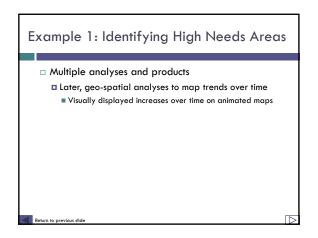
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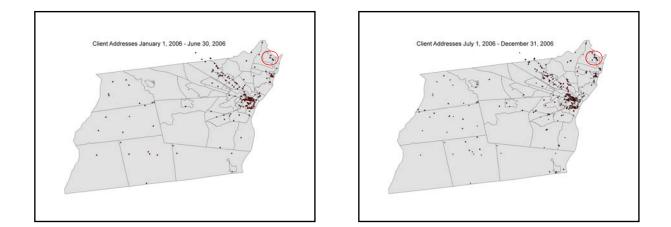


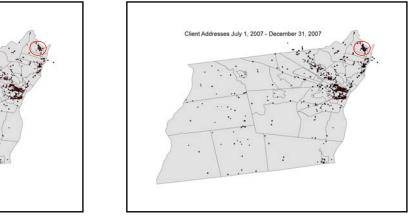


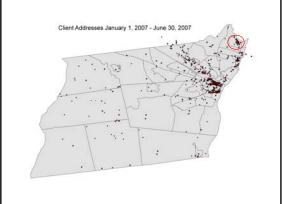


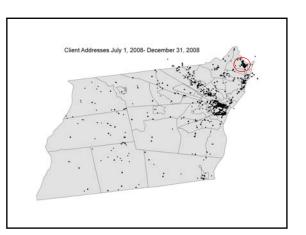


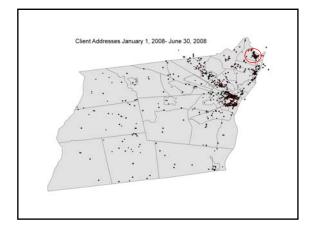


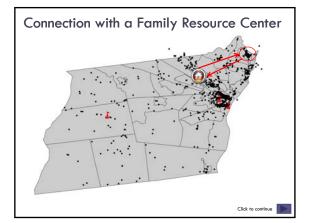


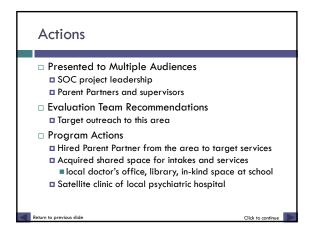


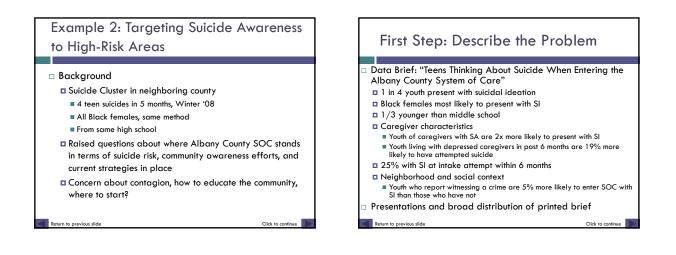


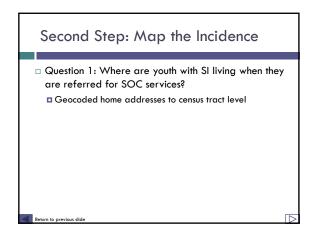


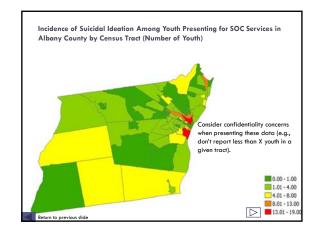


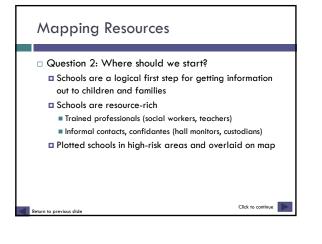


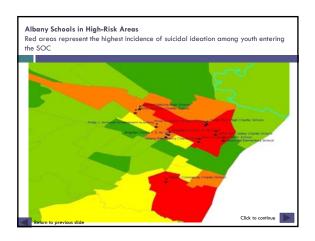


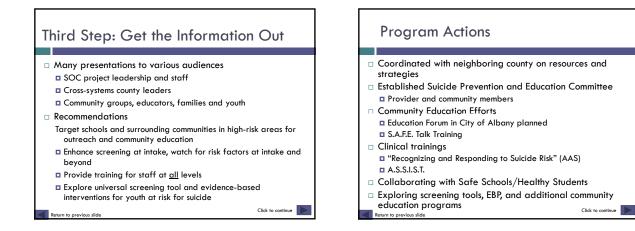












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