

# Kids Integrated Data System KIDS: Who, What, and How

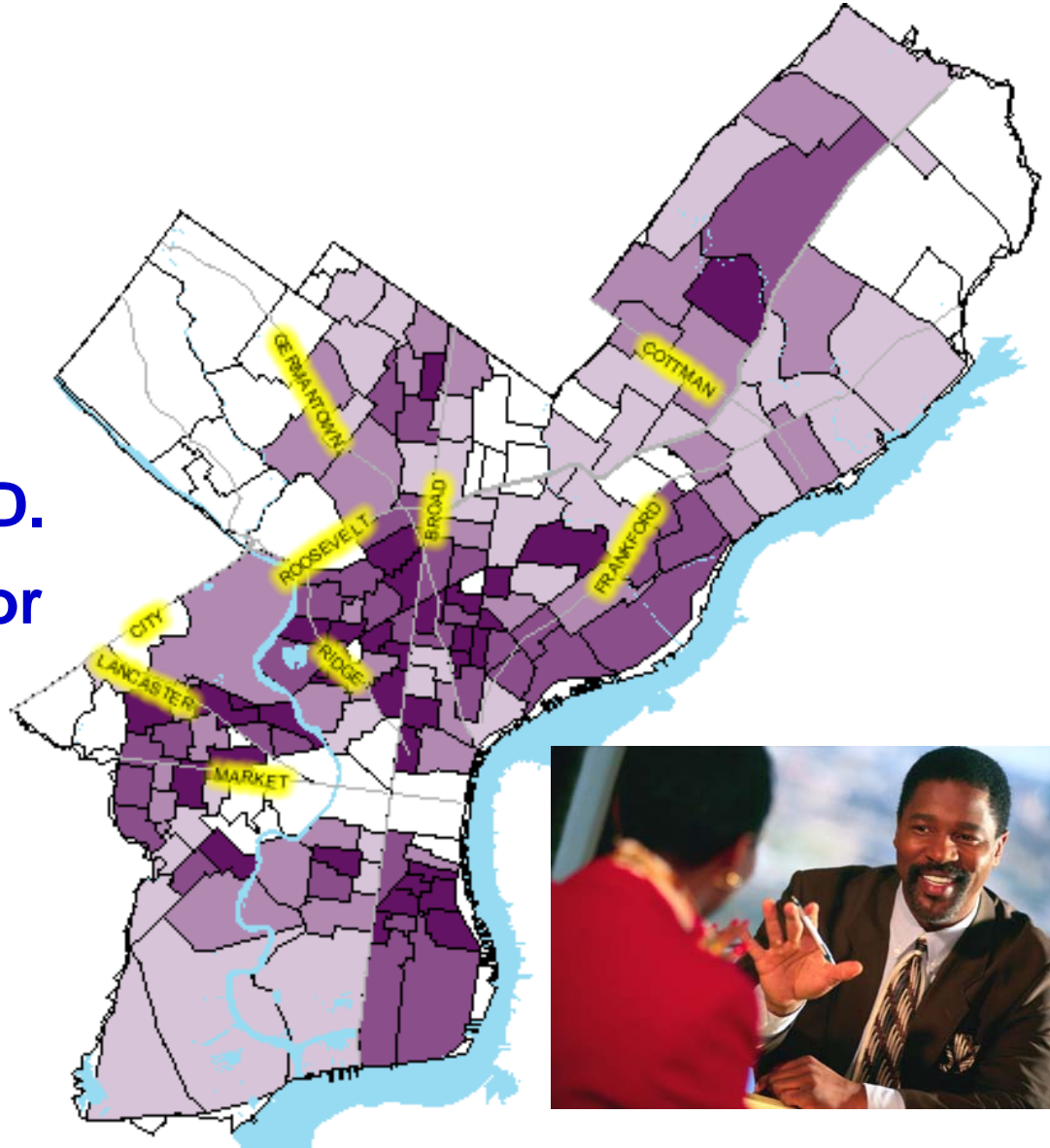


**SAMI-CCPRC**

**July 31<sup>st</sup>, 2007**

**Heather L. Rouse, Ph.D.**

**KIDS Research Director**

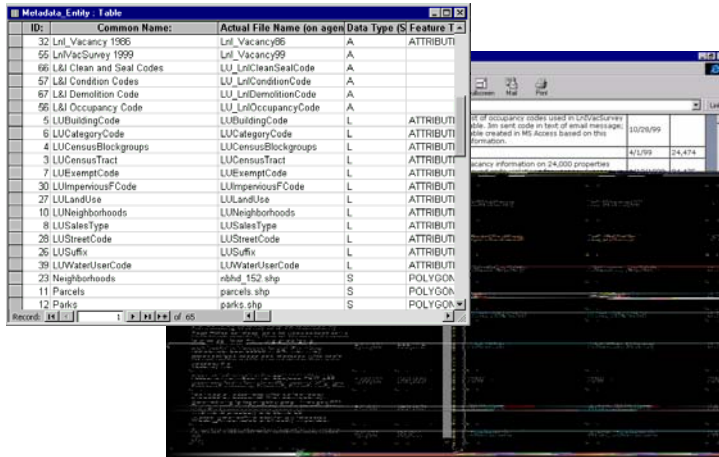


# Kids Integrated Data System (KIDS)

## 1st Fully Integrated Municipal Data System

Integrates All Records for Children & Youth age 0 to 21

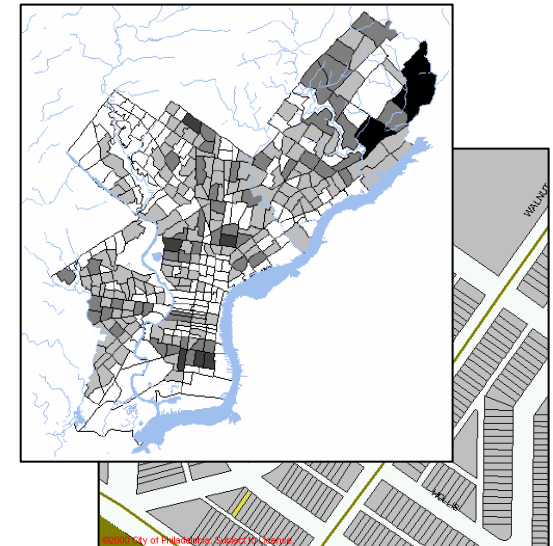
Provides GIS-based Data for Policy Analysis, Community Planning & Research



The image shows a screenshot of a metadata table with columns for ID, Common Name, Actual File Name, and Data Type. Below the table is a GIS interface showing a map with a grid overlay and a legend.

ID	Common Name	Actual File Name (on agen	Data Type (S	Feature T
32	Lnl_Vacancy 1996	Lnl_Vacancy96	A	ATTRIBUTI
55	LnlVacSurvey 1999	Lnl_Vacancy99	A	ATTRIBUTI
66	L&I Clean and Seal Codes	LU_LnlCleanSealCode	A	ATTRIBUTI
57	L&I Condition Codes	LU_LnlConditionCode	A	ATTRIBUTI
67	L&I Demolition Code	LU_LnlDemolitionCode	A	ATTRIBUTI
68	L&I Occupancy Code	LU_LnlOccupancyCode	A	ATTRIBUTI
5	LUBuildingCode	LUBuildingCode	L	ATTRIBUTI
6	LUCategoryCode	LUCategoryCode	L	ATTRIBUTI
4	LUCensusBlockgroups	LUCensusBlockgroups	L	ATTRIBUTI
3	LUCensusTract	LUCensusTract	L	ATTRIBUTI
7	LUExemptCode	LUExemptCode	L	ATTRIBUTI
30	LUImperviousFCCode	LUImperviousFCCode	L	ATTRIBUTI
27	LULandUse	LULandUse	L	ATTRIBUTI
10	LUNeighborhoods	LUNeighborhoods	L	ATTRIBUTI
8	LUSalesType	LUSalesType	L	ATTRIBUTI
28	LUStreetCode	LUStreetCode	L	ATTRIBUTI
25	LUSuffix	LUSuffix	L	ATTRIBUTI
39	LUVaterUserCode	LUVaterUserCode	L	ATTRIBUTI
23	Neighborhoods	nbhd_152.shp	S	POLYGON
11	Parcels	parcels.shp	S	POLYGON
12	Parks	parks.shp	S	POLYGON

Individual & Aggregate



# Kids Integrated Data System (KIDS)

**WHO** University Researchers, Public Service Providers, & local Foundation

Co-Founders: John Fantuzzo, Dennis Culhane, & Trevor Hadley

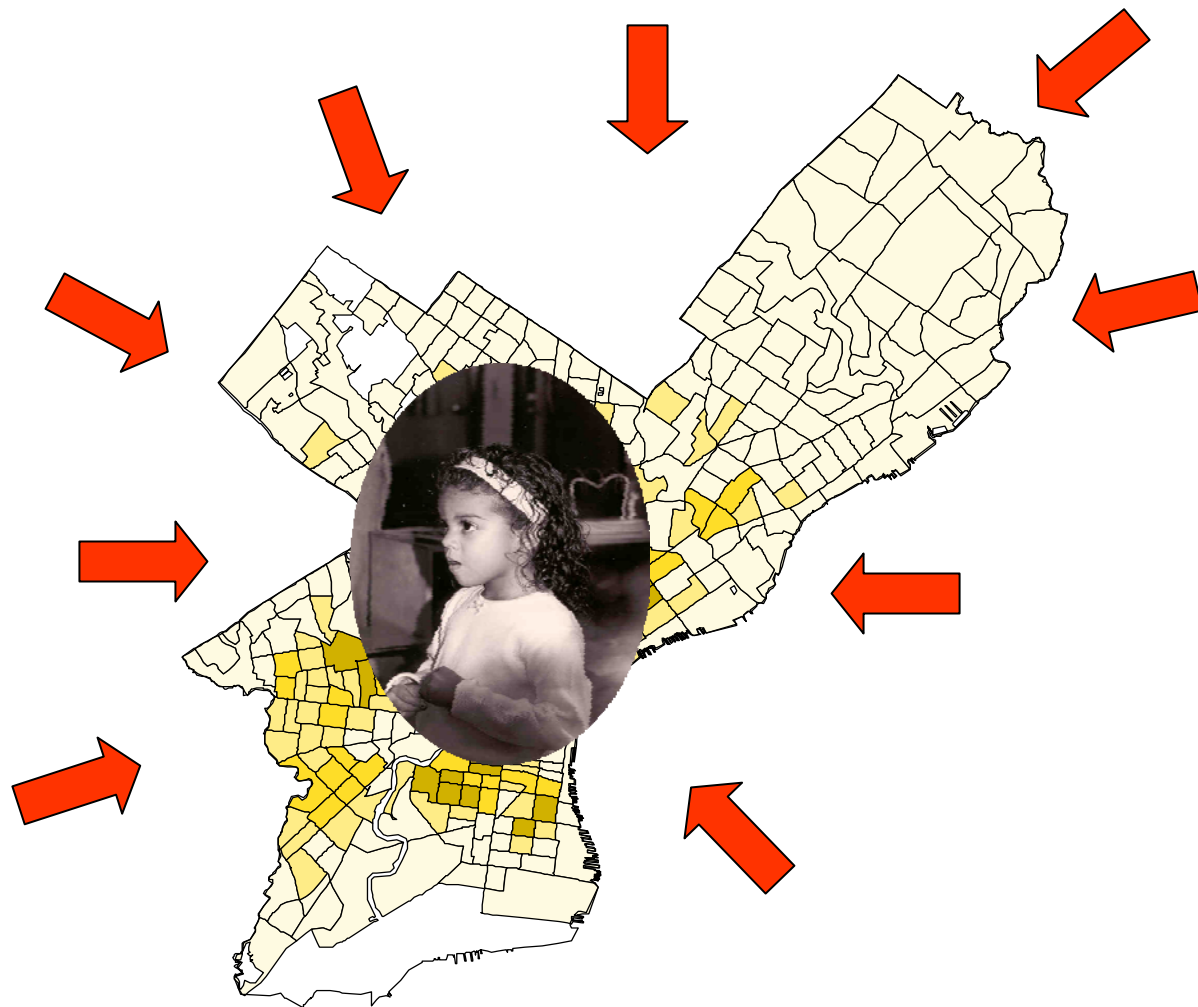
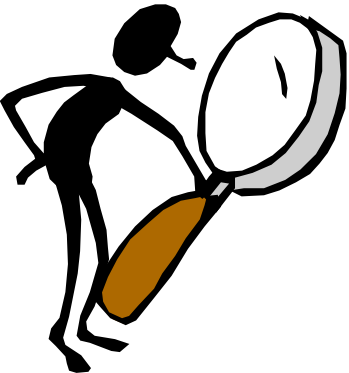
**WHAT** Integrated Individual Child/Youth Data

- Dept. Human Services
- Vital Statistics
- Dept. Health
- Dept. of Behavioral Health (mental health)
- School District
- Family Court
- Office of Emergency Shelter & Services

# Value of Building Research Capacity with Municipal Administrative Data

- It is **there**.
- An **infrastructure exists** to collect it and maintain it.
- It can be used to **inform decisions** at multiple levels
- It can be used to **build comprehensive models** to foster understanding and to **stimulate strategic planning**.
- It can create **dialogue across agencies** serving the same populations of children.
- It can be used to share with the community to build support and **focus community-wide action**

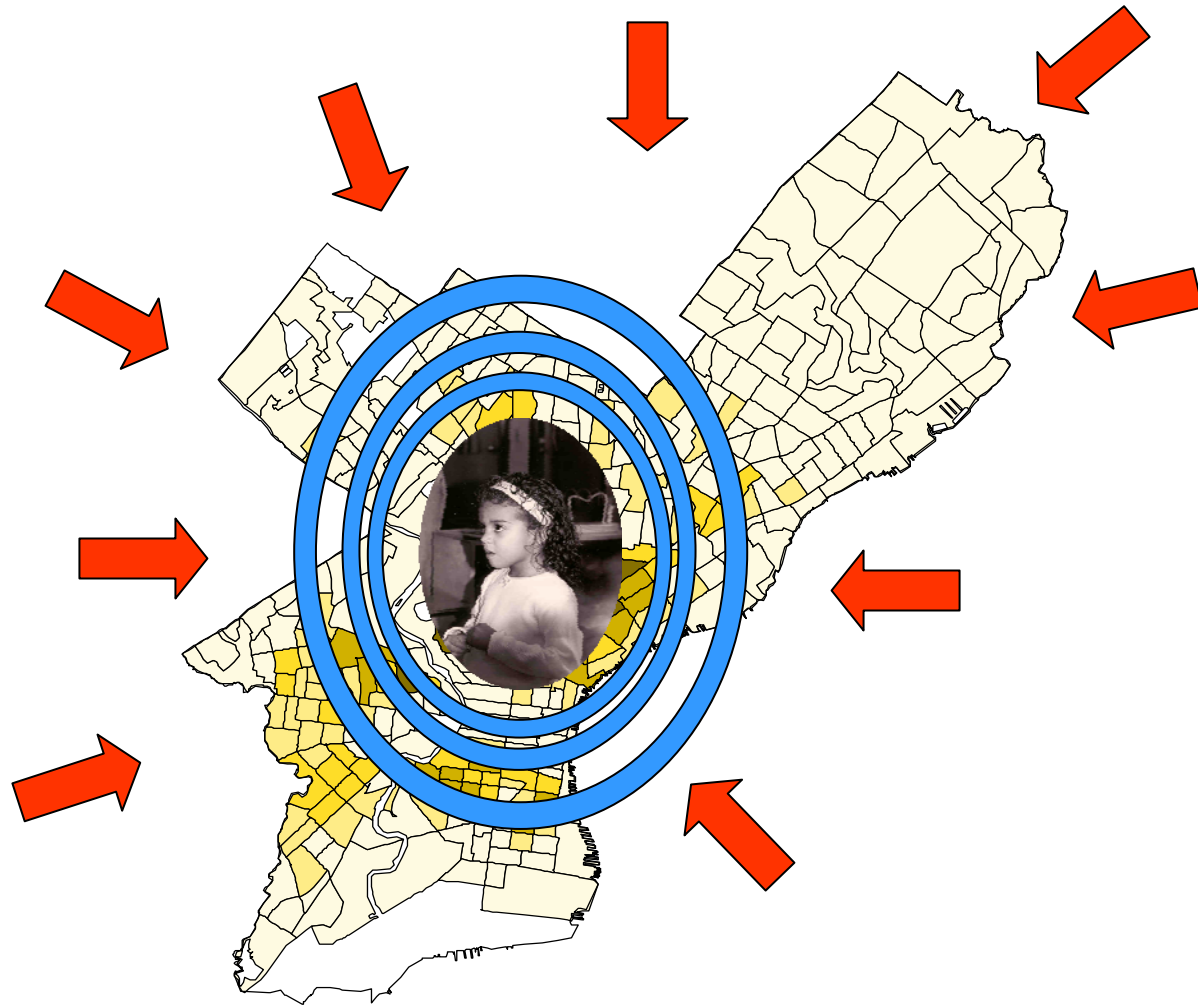
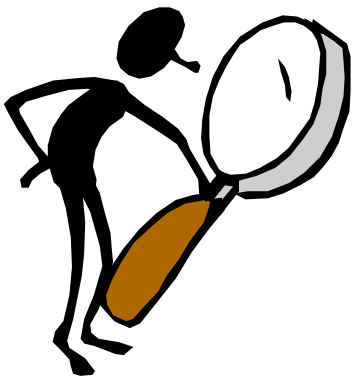
# MAKE RISKS VISIBLE



**KIDS Integrated Data System:**



# DISCOVER PROTECTIVE FACTORS

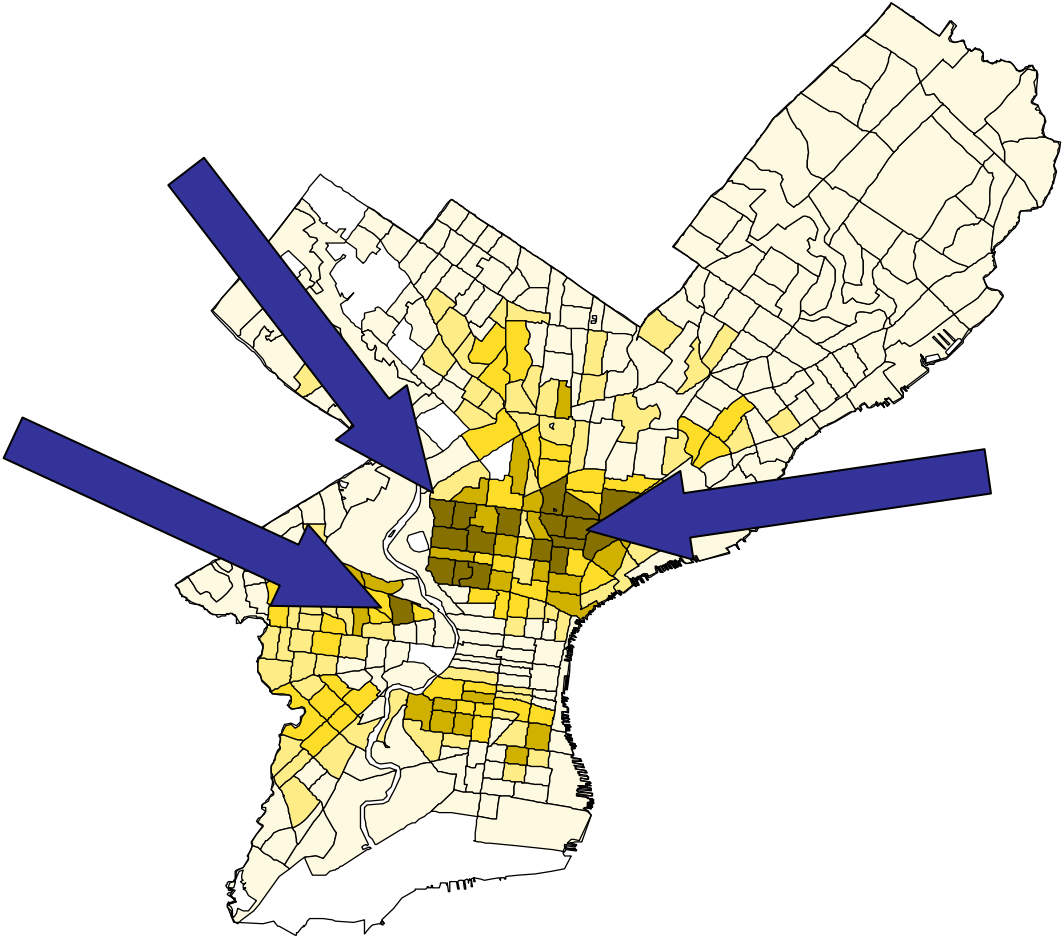
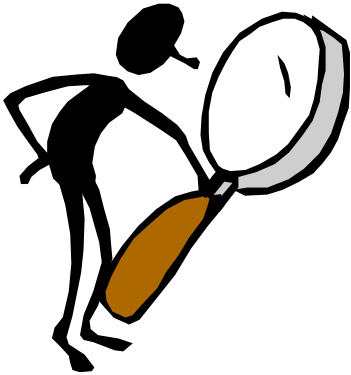


**KIDS Integrated Data System:**

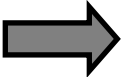




# STRATEGIC PLANNING TO IMPROVE EDUCATIONAL OUTCOMES



**KIDS Integrated Data System:**



What KIDS **IS** -

Archival system where data are integrated for specified cohorts to create research-ready file extracts

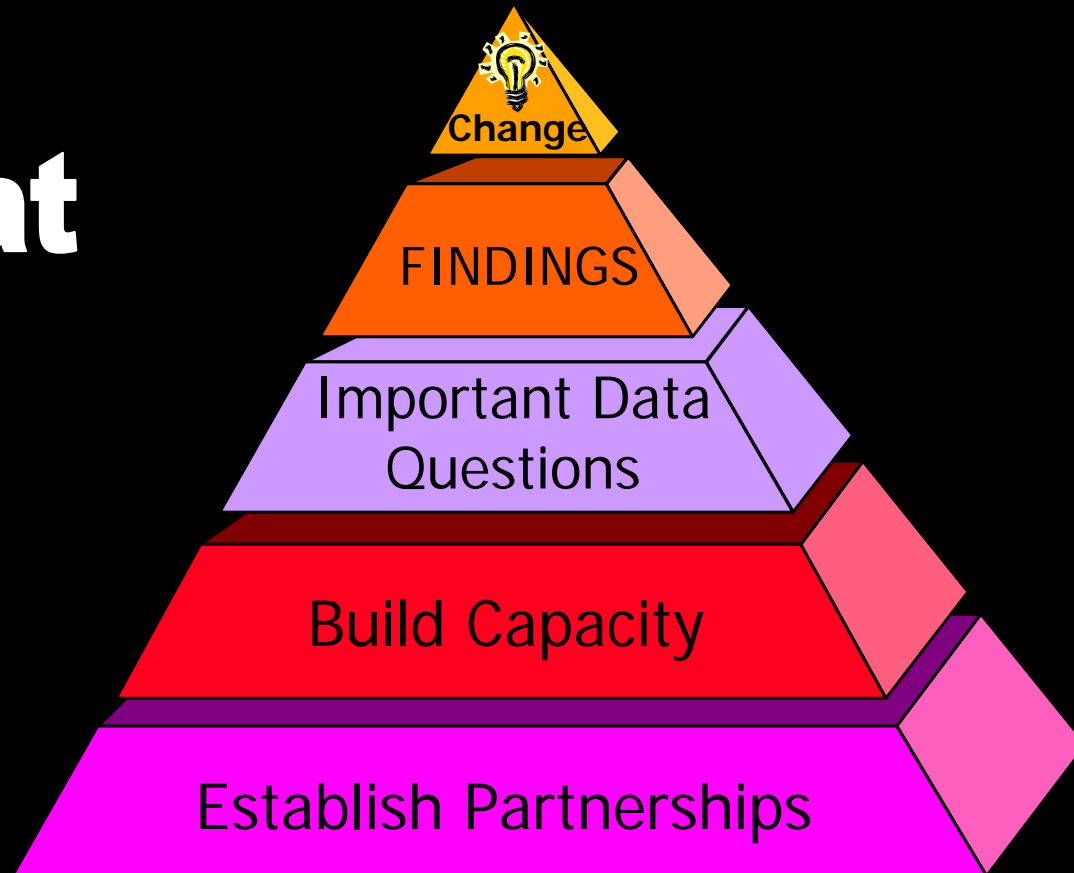
What KIDS **is NOT** -

A live data warehouse



# Where did we begin?

**What**



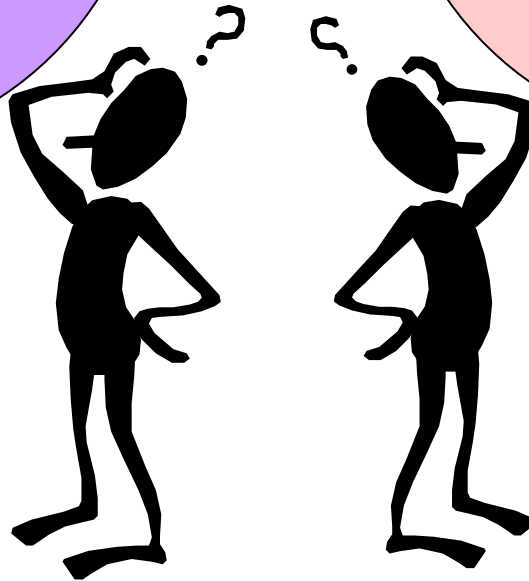
**How  
with Whom**



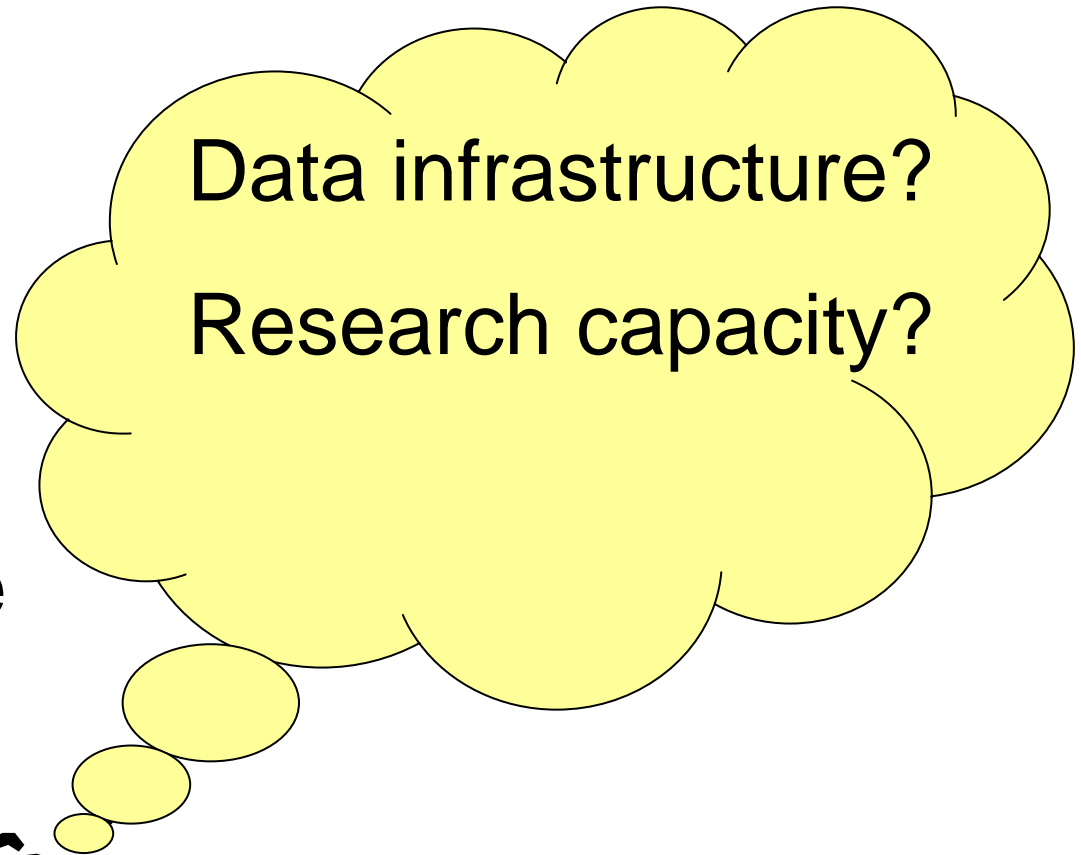
# Challenges of Collaboration: A Tale of Two Realities

Government  
Policy & Practice

Academic  
Research



Government  
Policy & Practice



Data infrastructure?  
Research capacity?

# INFORMATION



BLANE



**“I study the market research, analyze any changes in our customer base, then drink gallons of coffee until I hallucinate a big pink rabbit who tells me what to do.”**

Time for partnerships?

Value of *applied* research?

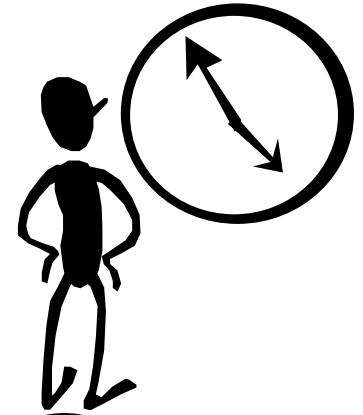
Academic  
Research



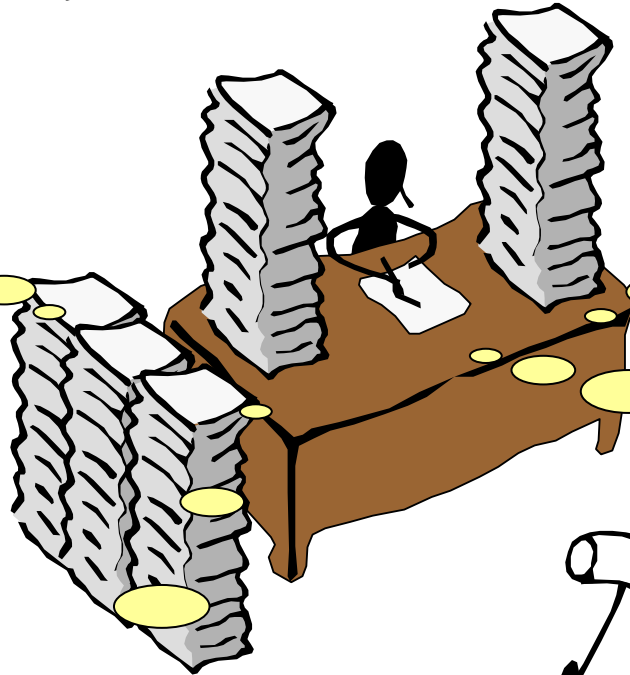
# ARGH!!!!



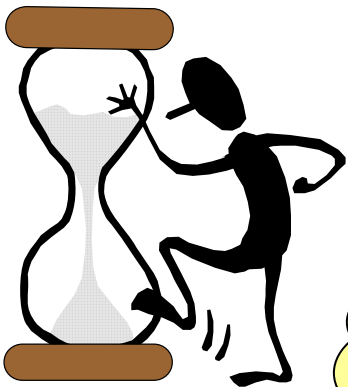
“SCIENCE” – not  
*evaluation*



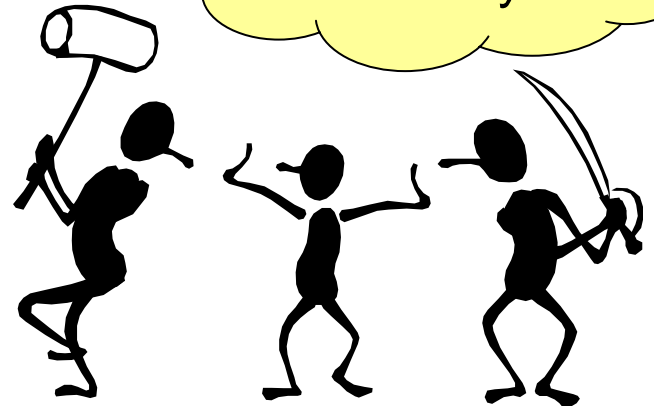
Tenure clock is  
ticking . . .



Politics in the  
Academy

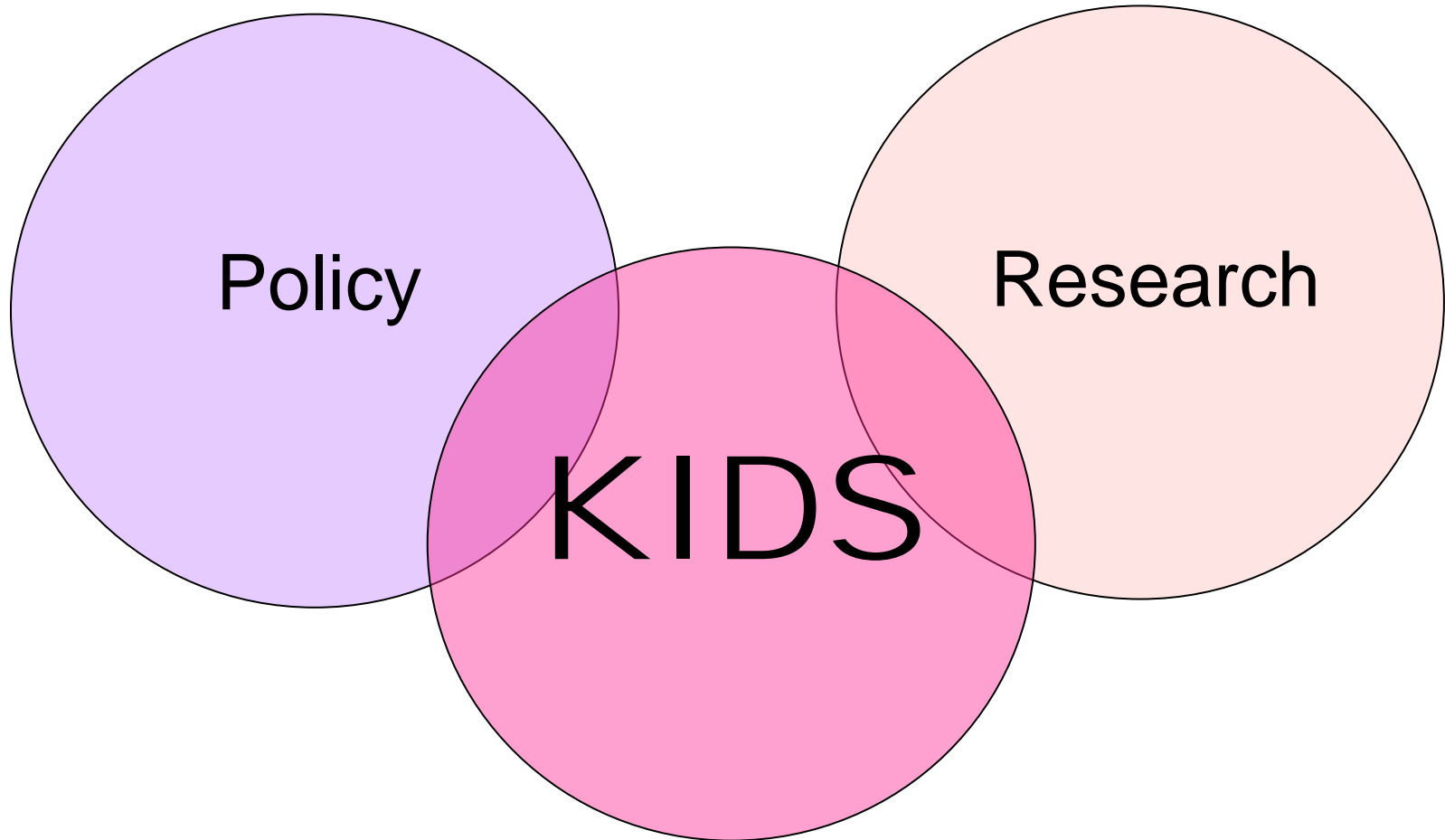


Publish or Perish



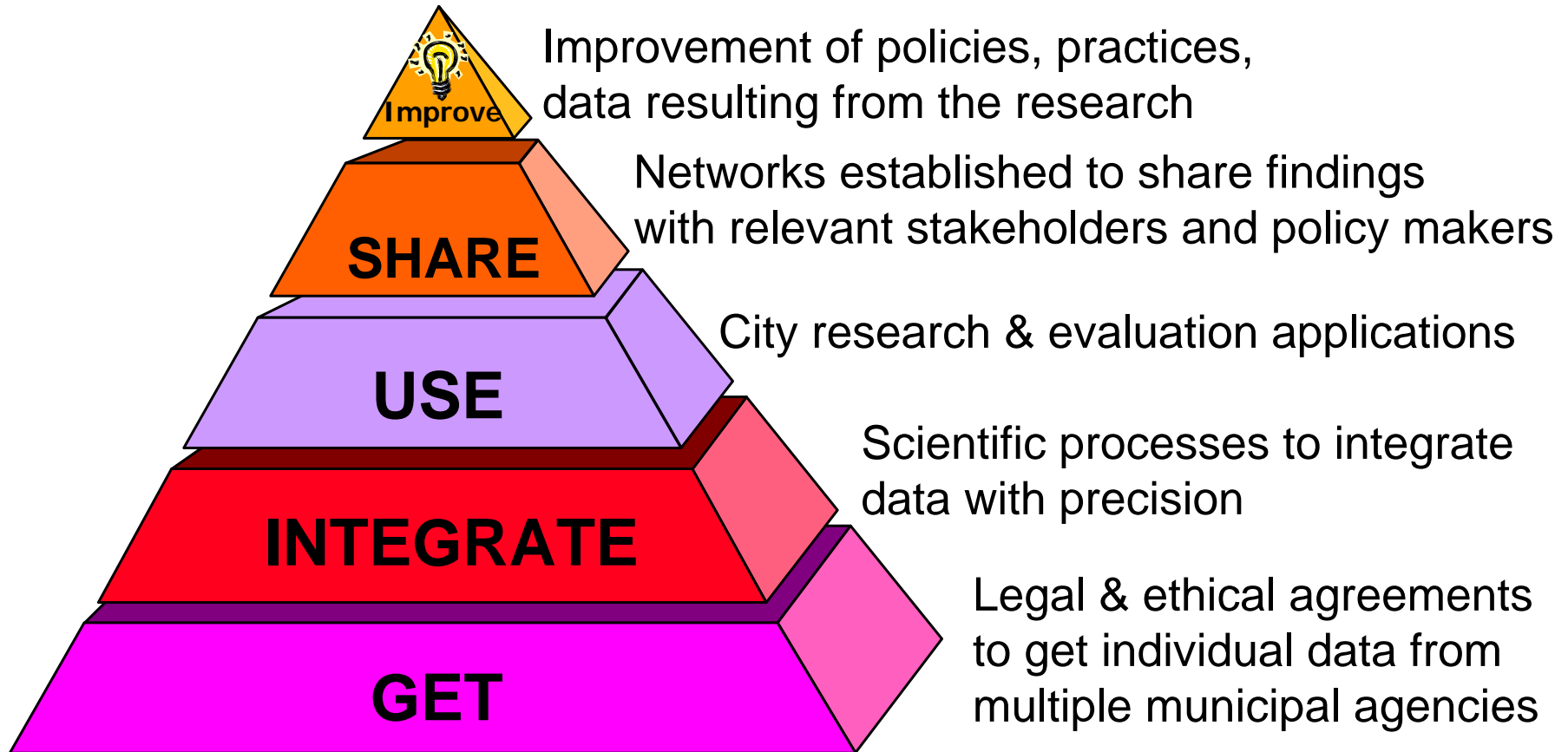


# *Integration* of Diverse Realities



# HOW Partnership Agreements & Protocol:

- Memos of Understanding w/ City & State
- City & Penn Research Review Process



**KIDS Partnership Process**

# KIDS Legal Issues

HIPAA: Health Insurance Portability & Accountability Act

FERPA: Family Educational Rights & Privacy Act

## **Requirements for Use of Information:**

- ✓ ***Practical Use*** for agencies
- ✓ ***Security Standards & Protocol*** for data use

# KIDS Ethical Issues

# FEARS

**Disconnects between  
Research & Practice**

The research will not benefit our agency

We will lose control of how our data are used

The findings may contradict our own reports

Negative findings will be shared without our input creating misunderstandings

Researchers will take our data and run with no regard for us or our work with children

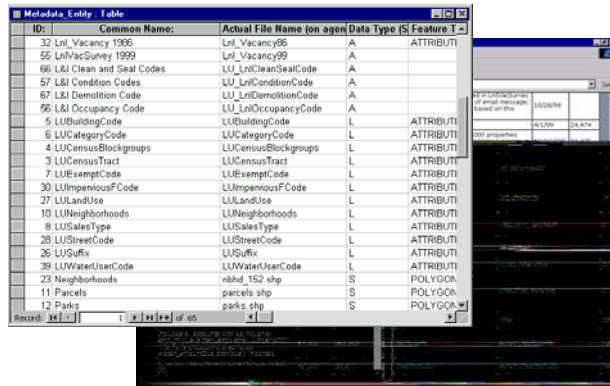
# KIDS Policy Group

**Purpose:** Govern all KIDS research projects to ensure agency-research connections

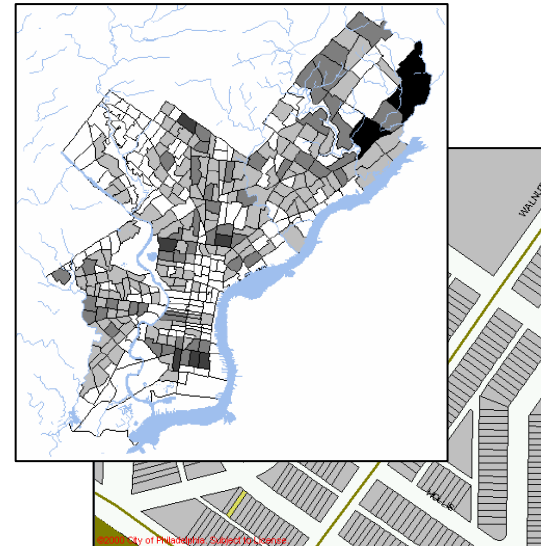
**Process:**

- Each agency provides 1 representative
- All research proposals are reviewed & voted
- Approved projects must adhere to KIDS Researcher Agreements
- Researcher conducts research & informs the Policy Group at every step

# KIDS Integration Process:



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- ✓ Routine data-dumps from agencies
- ✓ Scientific audit system for “research-ready” data
- ✓ KIDS Policy Group Approval for specific projects
- ✓ Dataset integration tailored to project parameters
- ✓ De-identified or aggregate data shared with researchers

# Scientific Precision & Cost Efficiency

- Data are audited for quality and consistency
- Validity checks between data systems
- ***Link-King*** software scores integration results for reliability
- All linking is on a project basis (cost-effective)
- Matching routines are saved for longitudinal studies



# Examples of KIDS Studies

- How do multiple risk factors impact school readiness?
- What is the overlap between DOE Special Education Services and Community Mental Health Services?
- How are educational outcomes affected by experiences in multiple public systems (e.g., Child Welfare & Shelter Services)?
- What are the educational outcomes for children using different homelessness support services?
- What are the characteristics of Out-of-School youth?
- Are there disparities in care for children with ADHD?

# Responses to Research Findings

- National funding for Out-of-School Youth interventions
- Built Capacity: Early Care & Education Interview
- Principal Training Academy for Kindergarten Transitions
- Latino Taskforce on Early Childhood Education
- Grant funding to establish a Summer Academy for children with no prior preschool experience
- Pilot project: Social Workers in Homeless shelters



# *Thank You*

For More Information about KIDS:

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