The Partnership for a Connected Illinois Webinar Series

Webinar 3

June 1, 2011

Community Anchor Institutions & Broadband Access

PCI Webinar Series:

Community Anchor Institutions & Broadband Access

Introductory Remarks…**Drew Clark**
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Panelist…
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Webinar Topics

- Community Anchor Institutions
  - Community Anchor Institutions
  - Community Broadband Centers
- The Illinois Community Anchor Institution Dataset
  - The Process: Survey Monkey
  - The Results: Survey Monkey Speed Test
- State-wide Baseline Study
  - Mapping CAI data with provider data
- CAI Widget
- Questions

Community Anchor Institutions

- Schools, libraries, medical, and healthcare providers, public safety entities, community colleges, and other institutions of higher education and other community support organizations and agencies that provide outreach, access, equipment, and support services to facilitate greater use of broadband service by vulnerable populations, including low-income, the unemployed and the aged.

Community Anchor Institutions

Why Community Anchor Institutions…?

…to ensure that the advanced application and networking requirements of community anchor institutions (CAIs) are understood, coordinated and fulfilled.

…to fill the critical gap recognized by the FCC by supporting CAIs with access to national networking and services that extend next-generation capabilities, and operate with end-to-end transparency and the high levels of performance uniquely suited to the needs of these organizations.

U.S.UCAN
United States Unified Community Anchor Network

Community Anchor Institutions v. Community Broadband Centers

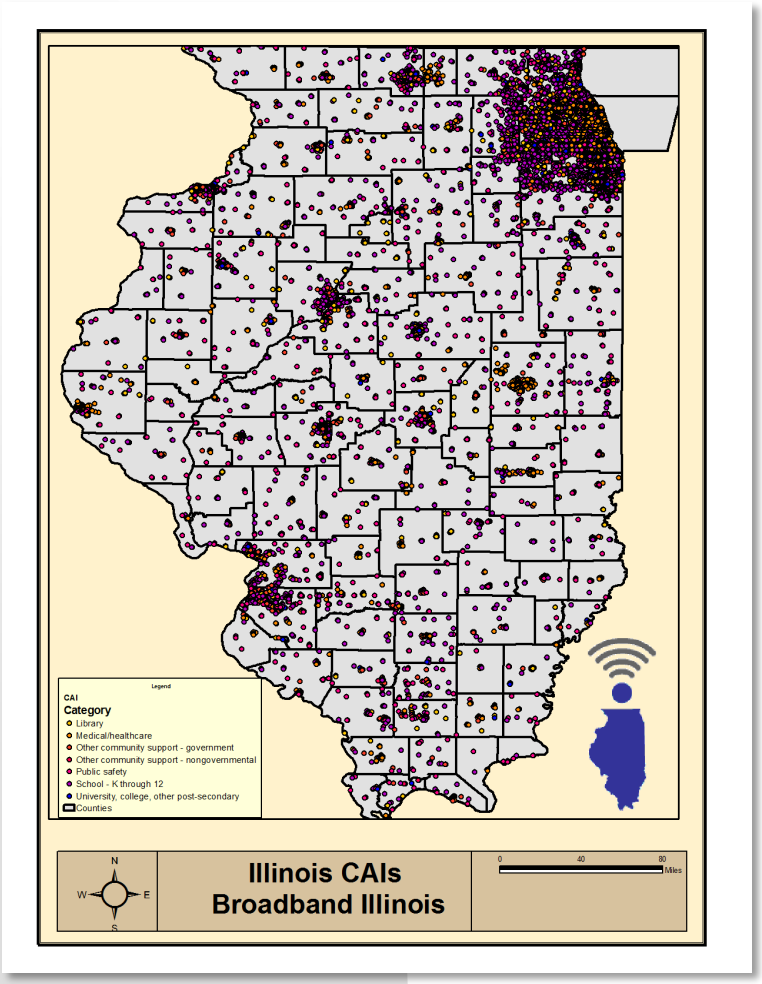
Community Anchor Institution	Community Broadband Centers
K-12 Schools	
Libraries	Libraries
Healthcare	
Public Safety	
Colleges/Universities	Colleges/Universities
Other Government	
Other Non-Government	Workforce Development Centers Public Computer Centers Community Technology Centers WiFi Hotspots Community Based Organizations Public Access Centers

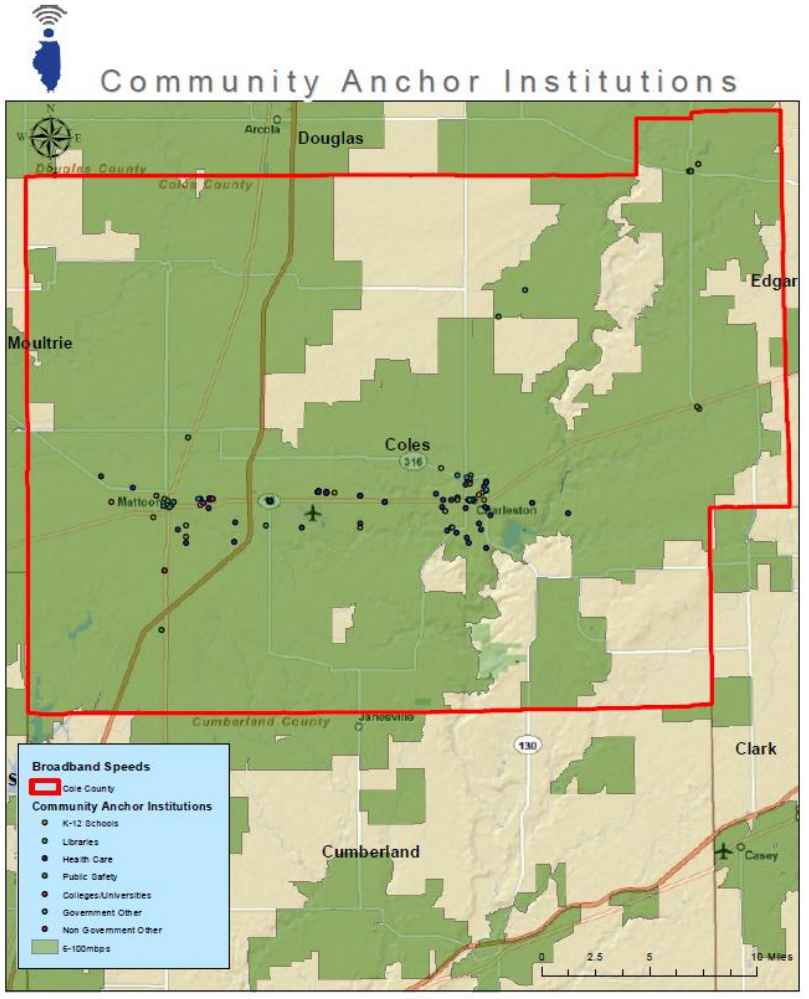
Community Anchor Institutions

Community Anchor Institutions

1.	K-12 Schools:	5,329
2.	Libraries	1,425
3.	Healthcare	15,258
4.	Public Safety	2,328
5.	Colleges/Universities	255
6.	Other Government	1,442
7.	Other Non-Government	228
		26,265 Total

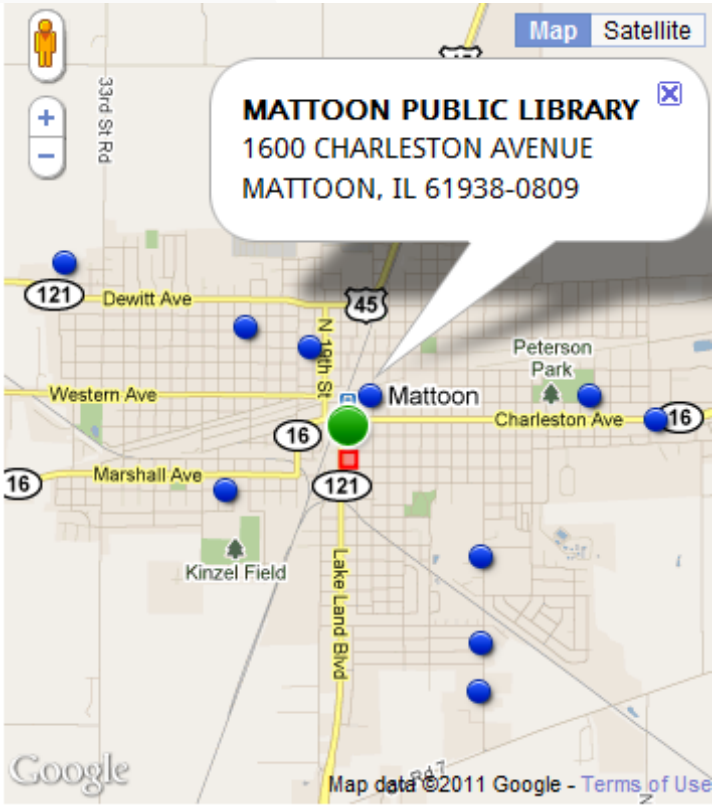
Community Anchor Institutions





Community Anchor Institutions

broadbandillinois



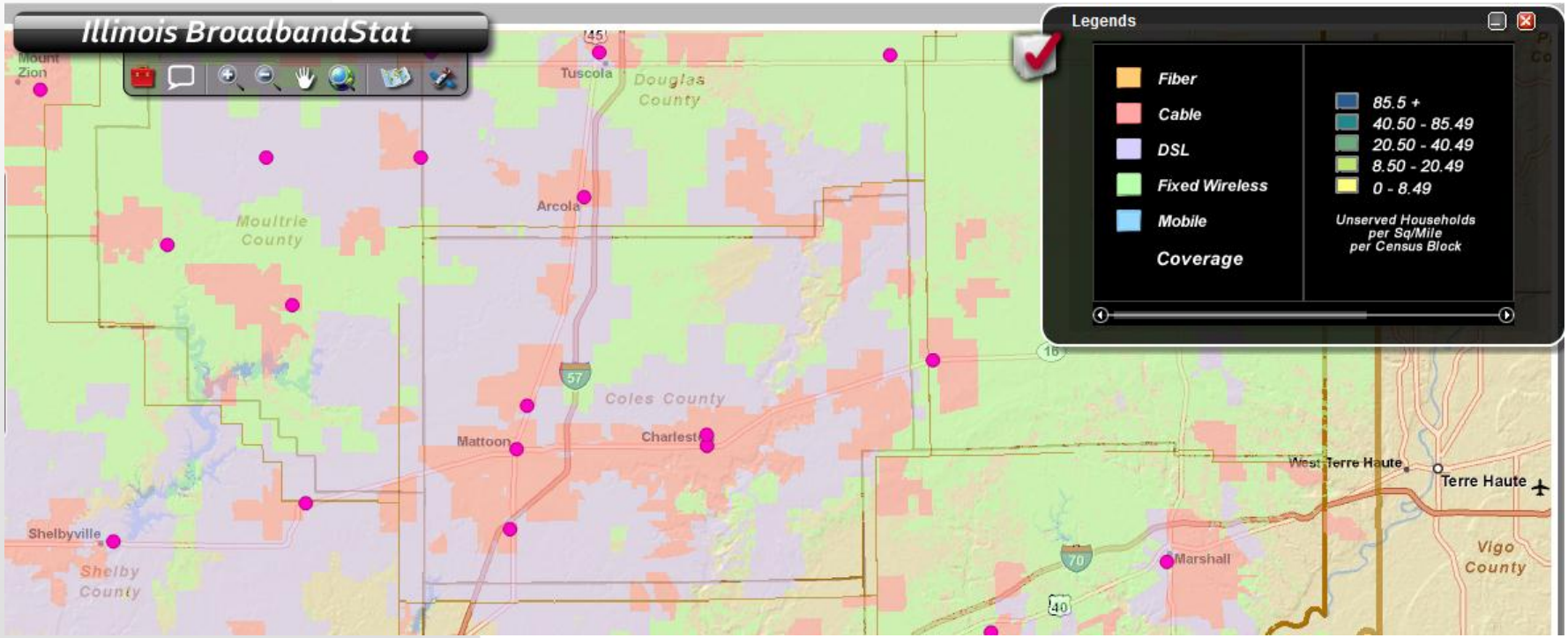
community broadband centers

View all broadband centers

BROADBAND CENTER	CARRIER & TECHNOLOGY	MAX ↓	MAX ↑
MATTOON PUBLIC LIBRARY 1600 CHARLESTON AVENUE, MATTOON, IL 61938-0809	**ICN** Other Copper Wireline	**10–25** Mbps	**10–25** Mbps
DOUGLAS REHAB & CARE CENTER 3516 POWELL LANE, MATTOON, IL 61938	**Mediacom Communications Corporation** All Other	**6–10** Mbps	**0.7–1.5** Mbps
LAKE LAND COLLEGE LIBRARY 5001 LAKE LAND BOULEVARD, MATTOON, IL 61938	**Illinois Century Network (ICN)** Other Copper Wireline	**0.7–1.5** Mbps	**3–6** Mbps
Lake Land College 5001 Lake Land Blvd, Mattoon, IL 61938	**Illinois Century Network (ICN)** Other Copper Wireline	**0.7–1.5** Mbps	**3–6** Mbps

Community Anchor Institutions

broadbandillinois



Survey Monkey

Supply

Demand

Questions Asked

- Contact Information
- Technology Type
- Rate
- Provider
- Advertised Speeds
- Speed Test
- Additional Needs
- e-Team Interest

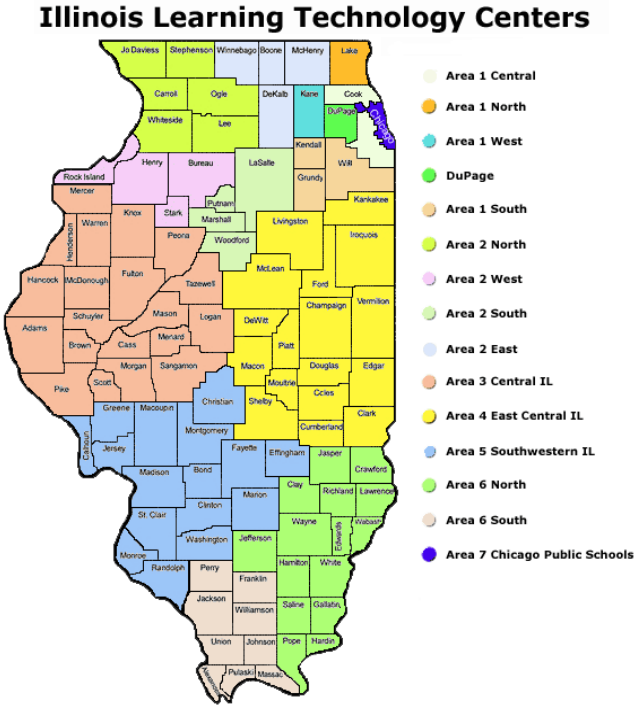
Survey Monkey

Date	Name	CAI	Address	E-Mail	Technology Type	Provider
1/20/2011	Lester Robertson	Douglas Rehab & Care Center	3516 Powell Lane Mattoon, IL	@here.com	30 (Leased Lines)	Mediacom

Rate	Advertised Speeds	Speed Test	Additional Needs	Interest in serving on an eTeam
$99.97/ mo	10000/1500 kbps	6405/952 kbps	More Bandwidth Affordable Rates	Yes

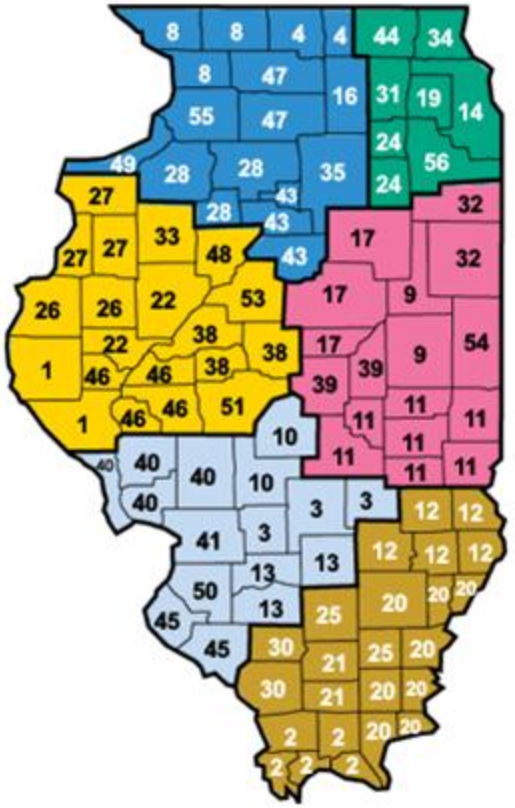
Category 1: K-12 Schools

Under the direction of Illinois State Board of Education consultant, Kathy Barnhart, the 15 Learning Technology Centers and their directors distributed the survey within the respective districts to take the survey at each location.



Category 1: K-12 Schools

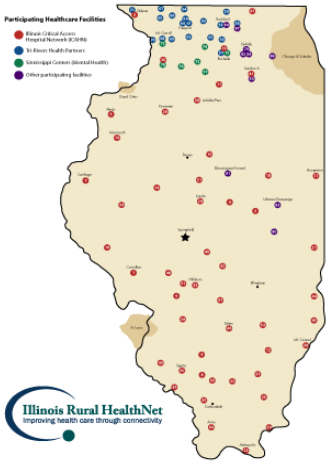
Gil Morrison of the Illinois Regional Superintendent of Schools sent the survey to regional school superintendents who sent the survey to district superintendents and technology coordinators.

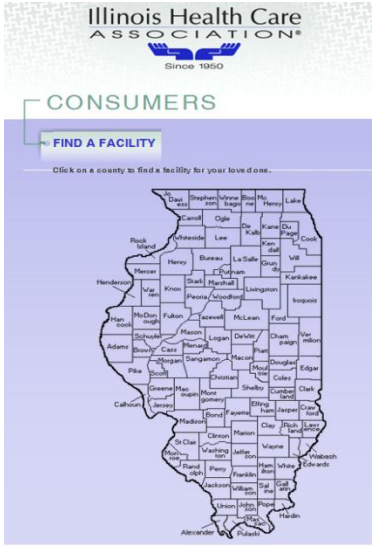


Category 2: Libraries

Using “Every Library in Illinet”, e-mail addresses were collected for all 1,425 public and academic libraries in the state. With a response rate of nearly 50%, data was collected from 713 libraries.

Category 3: Healthcare





With assistance from the Illinois Rural HealthNet, the Illinois Health Care Association, and the Illinois Critical Access Hospital Network, the survey was deployed to 1335 priority healthcare institutions. Results came in from 138 of these institutions.

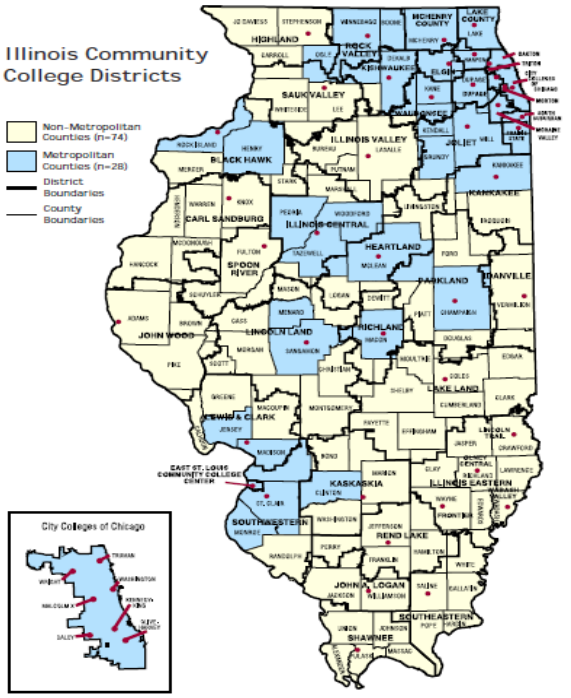
Of the 15,258 healthcare institutions, 13,923 were individual doctors that have been given low priority

Category 4: Public Safety

Individual e-mails were collected for 2,107 institutions using both the Illinois Fire Chiefs Association and the Illinois Association of Chiefs of Police. Of those 433 returned results.

Category 5: Colleges/Universities

Working with Todd Jorns of the Illinois Community Colleges Board, the survey was deployed to all Community Colleges in the state, with results from19 out of 39 community colleges in Illinois. We also surveyed universities.

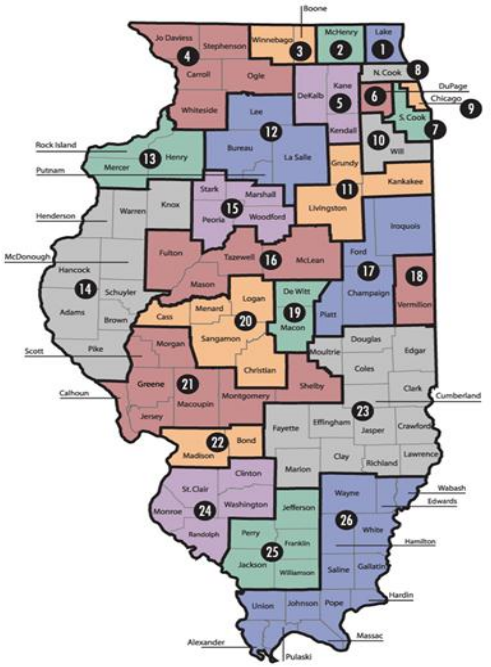


Category 6: Other Government

PCI has contact information for 1,442 agencies or points of contact within the State government. These include IDOT, Department of Natural Resources, and the Attorney General's office. These institutions have not yet been surveyed.

Category 7: Other Non-Governmental

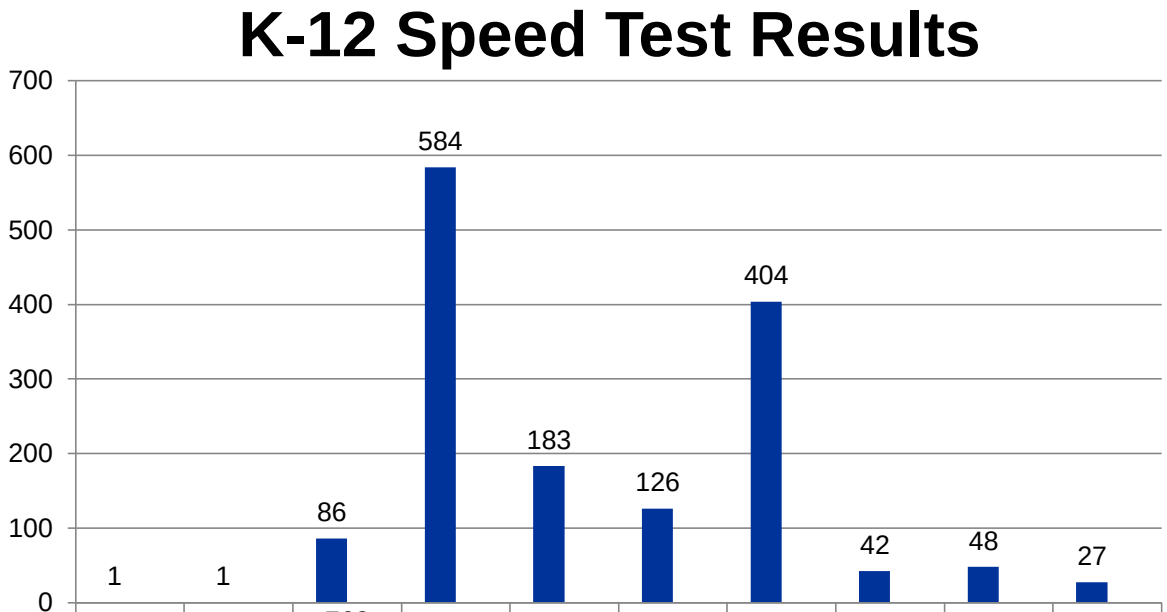
So far, this dataset contains 228 Illinois workNet facilities in the State of Illinois. Making use of DCEO and Kathy Lively we are looking to dramatically expand the non-government category.



Survey Monkey Response Rates

Category	Total Population	Responses	Response Percentage
K-12 Schools	5329	1502	28%
Libraries	1425	713	50%
Healthcare	1335	138	10%
Public Safety	2328	433	19%
Colleges/ Universities	255	111	44%
Other Non-Government	228	27	12%

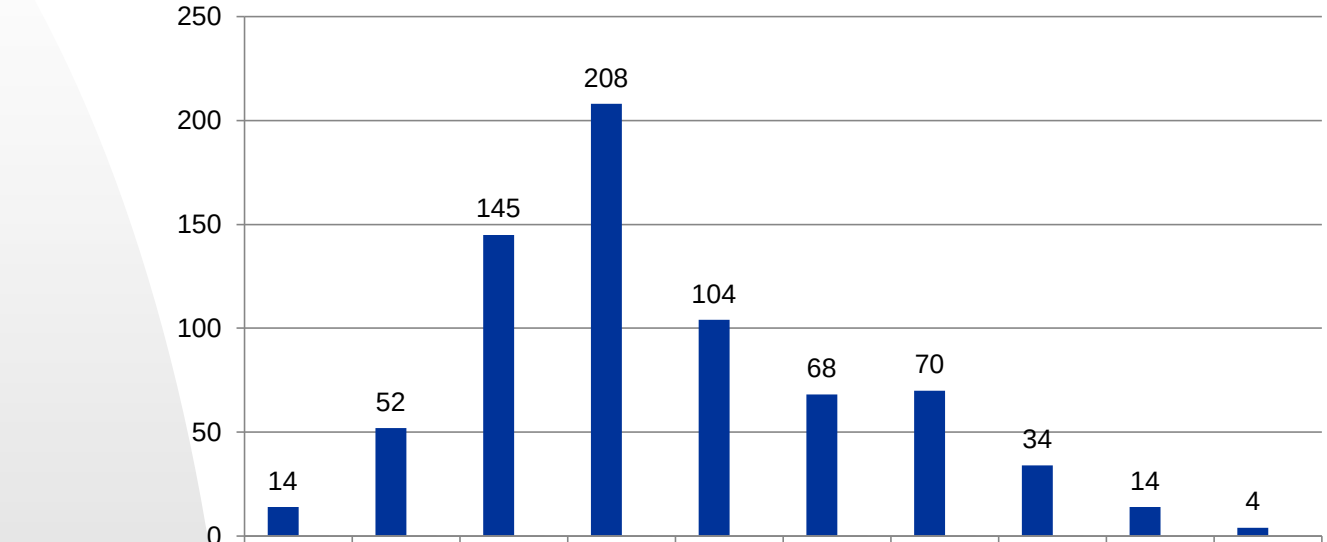
Survey Monkey Speed Test Results



	<200 kbps	200 to 768 kbps	768 kbps to 1.5 mbps	1.5 to 3 mbps	3 to 6 mbps	6 to 10 mbps	10 to 25 mbps	25 to 50 mbps	50 to 100 mbps	>100 mbps
Frequency Count	1	1	86	584	183	126	404	42	48	27
Percent	0%	0%	6%	39%	12%	8%	27%	3%	3%	2%

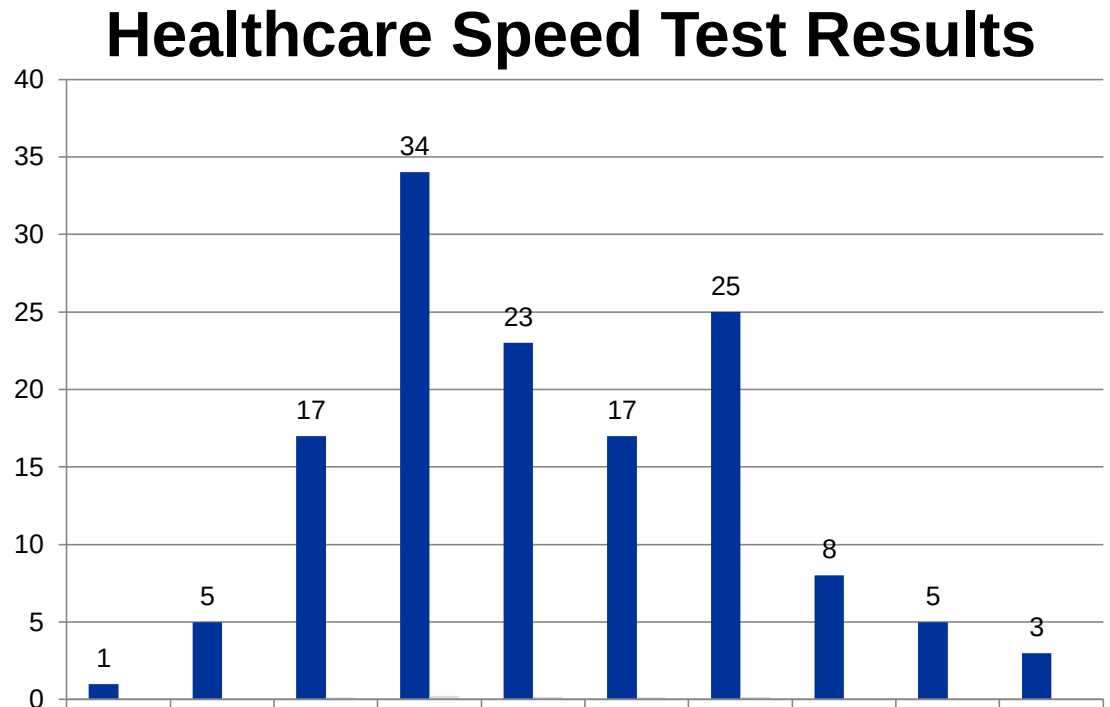
Survey Monkey Speed Test Results

Library Speed Test Results



	<200 kbps	200-768 kbps	768 kbps-1.5 mbps	1.5-3 mbps	3-6 mbps	6-10 mbps	10-25 mbps	25-50 mbps	50-100 mbps	>100 mbps
Frequency Count	14	52	145	208	104	68	70	34	14	4
Percent	2%	7%	20%	29%	15%	10%	10%	5%	2%	1%

Survey Monkey Speed Test Results



	<200 kbps	200 to 768 kbps	768 kbps to 1.5 mbps	1.5 to 3 mbps	3 to 6 mbps	6 to 10 mbps	10 to 25 mbps	25 to 50 mbps	50 to 100 mbps	>100 mbps
Frequency Count	1	5	17	34	23	17	25	8	5	3
Percent	1%	4%	12%	25%	17%	12%	18%	6%	4%	2%

Community Anchor Institutions

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community broadband centers

View all broadband centers

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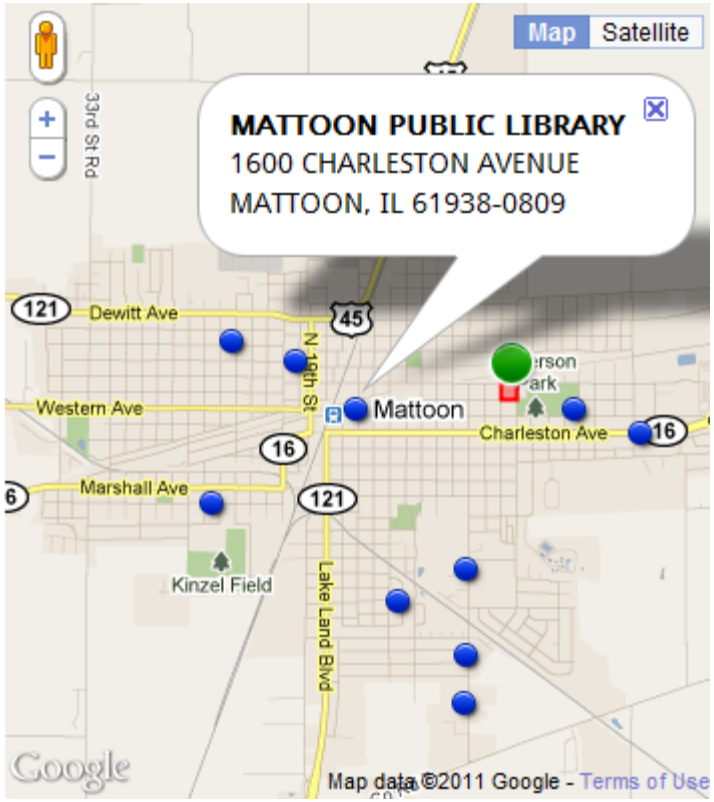


What is the State-wide Baseline Study?

- The proposed study targets the development of a baseline in the current trends for broadband supply and demand
- Targeted outcomes – Developing data driven solutions and evidence for creating policies to address current barriers to broadband adoption and access

- Sectors
  - Community Anchor Institutions (CAIs)

What is the State-wide Baseline Study? – Demand

- Aims is to coordinate the development of a statewide survey to identify current adoption trends, applications, and barriers associated with broadband use for community anchor institutions

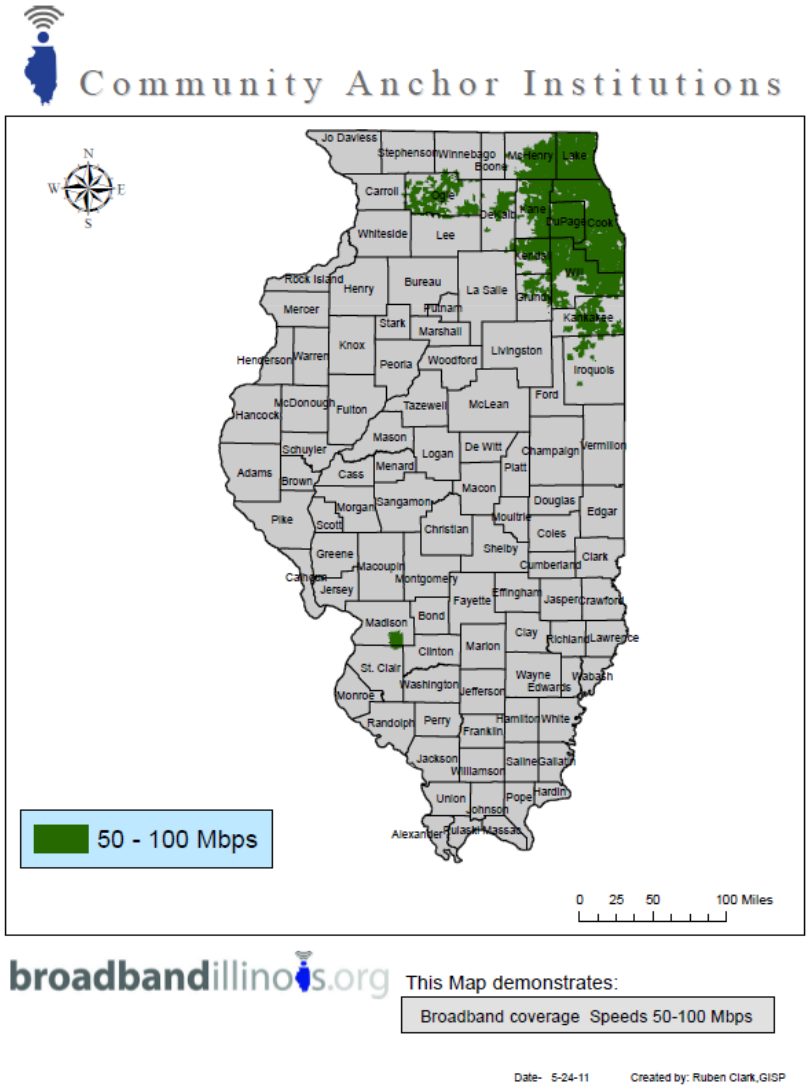
What is the State-wide Baseline Study? – Demand

- Data will be referenced and organized around critical geographic scales for analysis (i.e., state, county, eTeam regions, economic/workforce development zones, legislative districts and school districts)
- Types of Data:
  - CAI Sector Comparison
  - Regional Assessments
  - Speeds by Regions

Community Anchor Institutions

CAI's within area of 50-100 MBPS availability

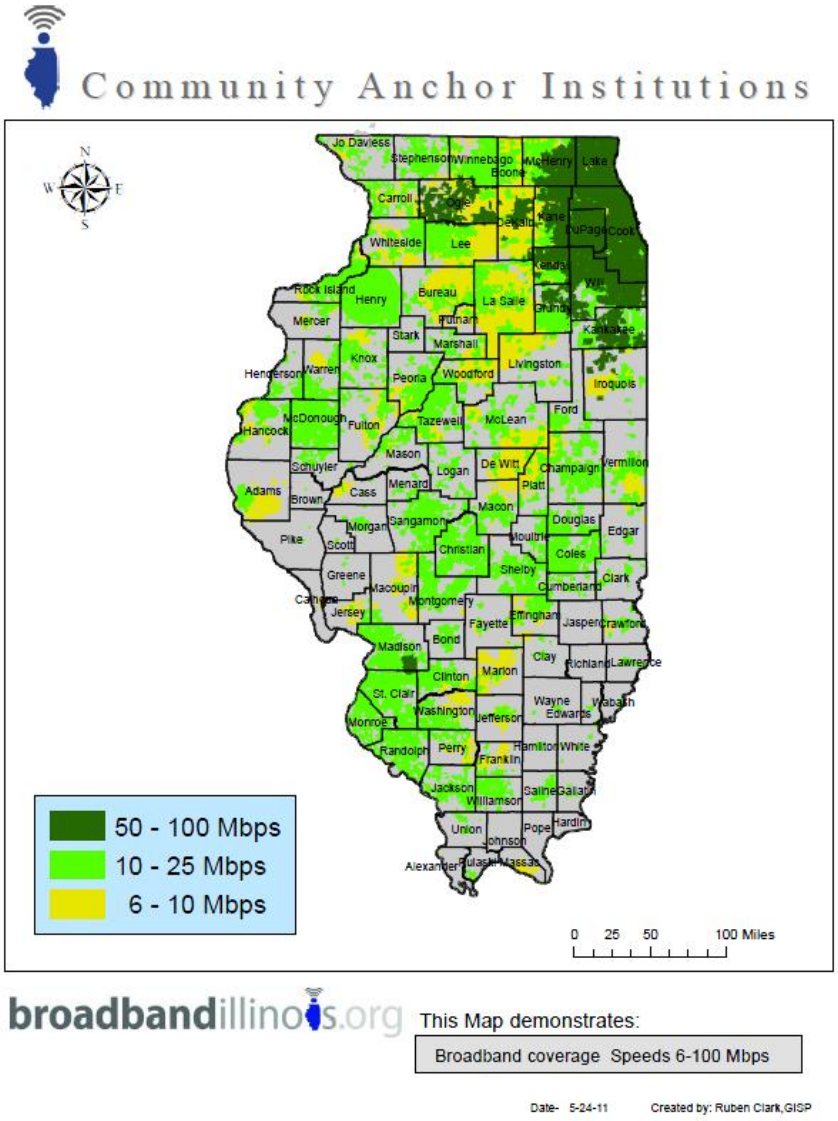
	CAI's within area where 50-100 Mbps is available	Total CAI's	Percent of CAI's with 50-100 Mbps available
K-12 Schools	3499	5329	66%
Libraries	768	1425	54%
Healthcare	13359	15258	88%
Public Safety	687	2328	30%
Colleges/Universities	94	255	37%
Other Govt	528	1442	37%
Other -Non Gov't	128	228	56%



Community Anchor Institutions

CAI's within area of 6-100 MBPS availability

	CAI's within area where 6-100 Mbps is available	Total CAI's	Percent of CAI's with 6-100 Mbps available
K-12 Schools	4964	5329	93%
Libraries	1371	1425	96%
Healthcare	15167	15258	99%
Public Safety	2032	2328	87%
Colleges/Universities	210	255	82%
Other Govt	1383	1442	96%
Other -Non Gov't	211	228	93%



Community Anchor Institution Widget

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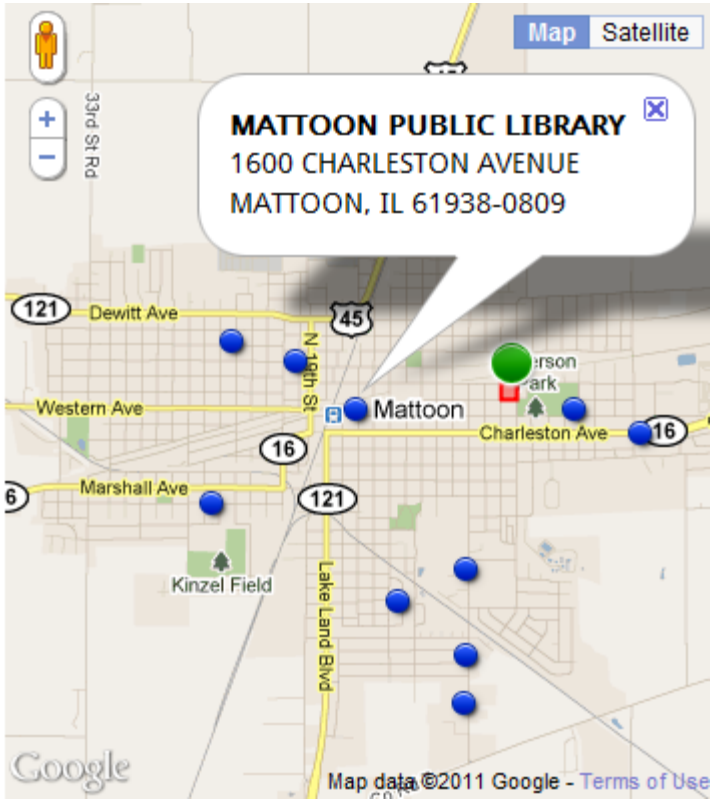
Arland D Williams Jr Elem Sch 1709 S 9th St, Mattoon, IL 61938	**Unknown** Unknown	-- Mbps	-- Mbps
Mattoon High School 2521 Walnut Ave, Mattoon, IL 61938	**Unknown** Unknown	-- Mbps	-- Mbps
Mattoon Middle School 1200 S 9th St, Mattoon, IL 61938	**Unknown** Unknown	-- Mbps	-- Mbps
Neil Armstrong Program/Hawthorne 2405 Champaign Ave, Mattoon, IL 61938	**Unknown** Unknown	-- Mbps	-- Mbps
St Johns Lutheran Parochial Sch 200 Charleston Ave, Mattoon, IL 61938	**Unknown** Unknown	-- Mbps	-- Mbps



Results of State-wide Baseline Study on Demand

Application

- **How** and **where** they are using it?
- Impacts on CAIs
  - Assess cultural and economic impacts of broadband
- Assess and summarize sector strengths and potential opportunities to expand
- What services are Community Broadband Centers providing to the consumer?

Adoption

- Which CAIs, are using broadband?
- Why are CAIs not using broadband?
- What barriers are limiting target groups in leveraging broadband technology?

Questions & Answers

- Drew Clark.
- Clayton Black
- Mike Rudibaugh
- Brian Webster
- Ruben Clark

http://broadbandillinois.org

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