

Building Maryland's Community Anchor Institution database

Maryland Broadband Mapping Initiative

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Topics

Maryland
Broadband
Mapping

Community
Anchor
Institution Data

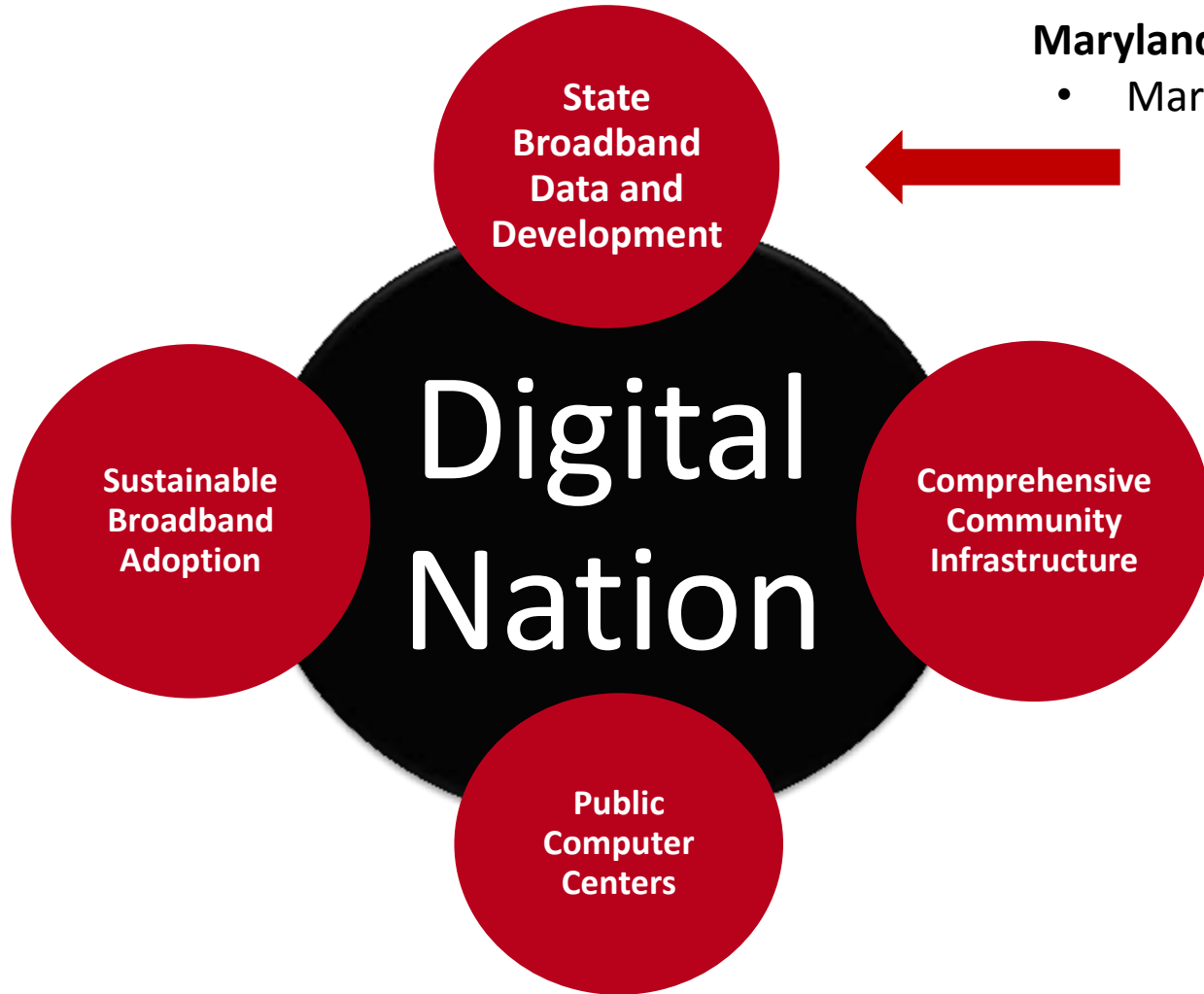
Value to
Maryland

National Goal: *Digital Nation*

2010: To ensure that all Americans have affordable access to broadband Internet services.

“The Internet is an extraordinary platform for innovation, economic growth, and social communication. It has become the backbone of a global digital infrastructure and an integral part of the information economy. “

American Recovery and Reinvestment Act



Maryland's Broadband Mapping Team

- Maryland Broadband Cooperative
 - Towson University
 - Salisbury University

Maryland Mapping Initiative



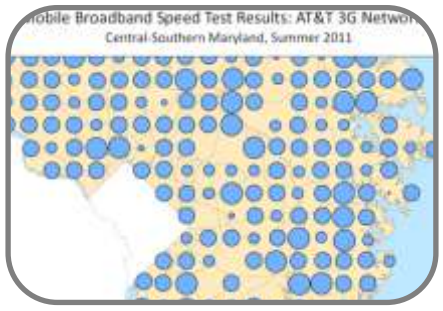
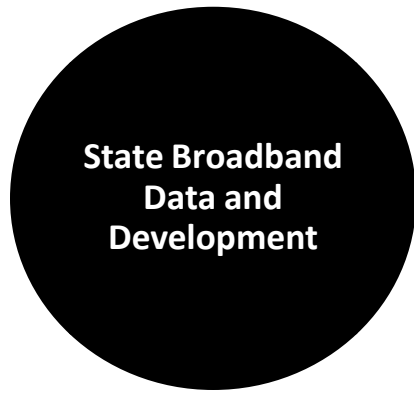
Planning



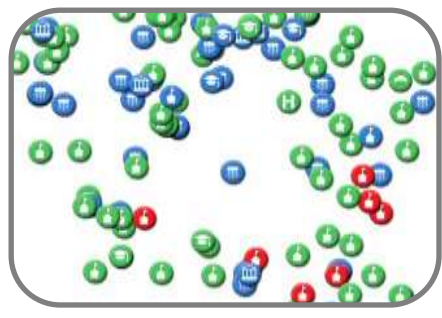
Provider Data



Display



Wireless Data



Community
Anchor Data

Community Anchor Institutions

Libraries

**Higher
Education**

**Schools
K-12**

Public Safety

**Community
Support
Government**

Medical

**Community
Support Non
Government**

NTIA Data Collection Requirements



Location

Broadband Service

Technology of Transmission

Upload Speed

Download Speed

Why are we collecting this information?

How do we collect and sustain this data?

Methodology

1

Define the CAI
Categories

2

Define the
subtypes and
prioritize

3

Determine
authoritative
data owners

4

Update
Cycle



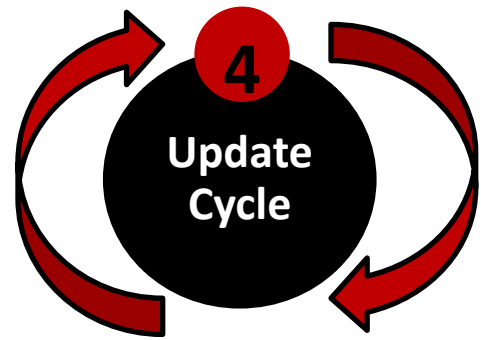
School

1 Define the CAI categories

2 Define the subtype and prioritize

3 Determine

	Subtype	Priority	Current Number of Facilities
1. MSD	Public	1	1446
2. Catholic Schools	Private	2	470
3. Each Individual School	Private		



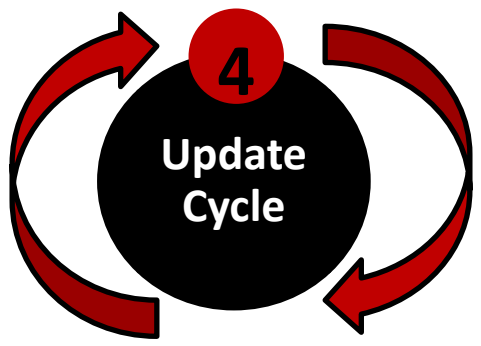
1 Define the CAI categories

- Facilities that provide access to information resources such as books, periodicals

2 Define the subtype and prioritize

Subtype	Priority	Current Number of Facilities
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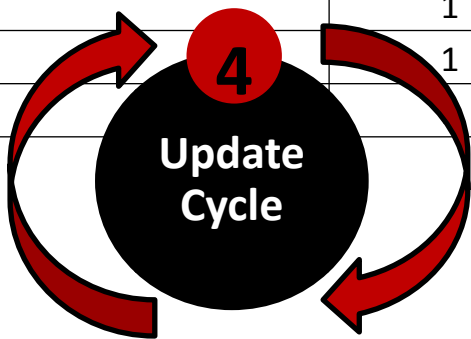
1. Public		
2. State Librarian	1	198
3. Academic Institution	2	69
4. Individual facility	3	102
Other		



Public Safety

- 1 Define the CAI categories**
- 2 Define the subtype and prioritize**
- 3 Determine authoritative data owners**

EMERGENCY SHELTER	1	859
1 County Government		
FIRE	1	479
2 Local Government		
POLICE	1	267
3 State		
RESCUE	1	39
4 Maryland Emergency Management Agency (MEMA)		
CORRECTIONAL FACILITY	1	32
911 CALL CENTER	1	19
EOC	1	11
OTHER		7



University, college, and other post secondary

1 Define the CAI categories

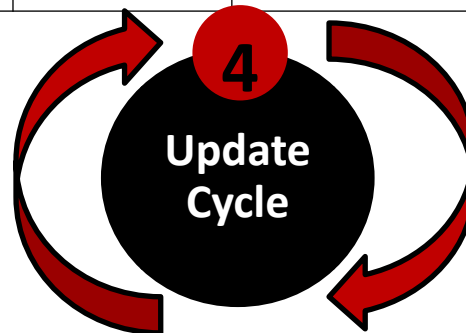
- Public and private colleges and universities that provide education and

2 Define the subtype and prioritize

3

Subtype	Priority	Current Number of Facilities
Association (MICA)	2	30
PRIVATE UNIVERSITY/COLLEGE		
2. Maryland Association of Community Colleges - Chief		
PUBLIC COMMUNITY COLLEGE	1	47
Information Officers Affinity Group		
PUBLIC UNIVERSITY/COLLEGE	1	23
3. MDREN, the Maryland Research and Education		
REGIONAL HIGHER EDUCATION CENTERS	3	8
Network		

4. Individual Institutions



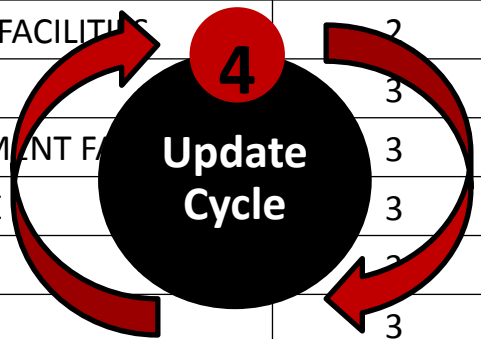
1 Define the CAI categories

All licensed medical facilities within the State

2 Define the subtype and prioritize

3 Determine authoritative data owners

Subtype	Priority	Current Number of Facilities
ADULT MEDICAL DAY CARE FACILITIES 1. Office of Health Care Quality (OHCQ)	3	124
ASSISTED LIVING PROGRAMS 2. Maryland Healthcare commission (MHCC)	3	1367
COMPREHENSIVE AND EXTENDED CARE FACILITIES	1	225
FREESTANDING AMBULATORY SURGICAL FACILITIES	2	329
FREESTANDING BIRTHING CENTERS	3	2
FREESTANDING MAJOR MEDICAL EQUIPMENT FACILITIES	3	225
LABORATORY - COMMERCIAL REFERENCE	3	128
LABORATORY - IN HOSPITAL	2	55
LABORATORY - TISSUE BANK	3	85
OUTPATIENT PHYSICAL THERAPY CENTERS	3	90
PHYSICIANS	1	---
RESIDENTIAL TREATMENT CENTERS	2	9



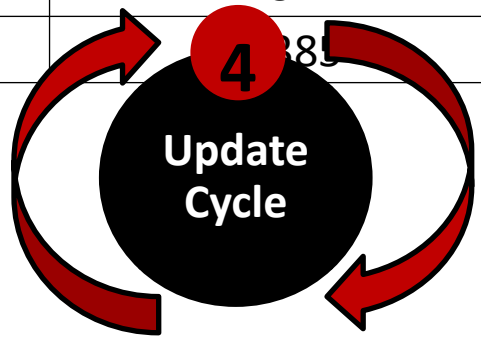
Other Community Support, Government

1 Define the CAI categories

2 Define the subtype and prioritize

3

Subtype	Priority	Current Number of Facilities
County	1	488
Local	2	524
State	1	385



Other Community Support, Nongovernmental

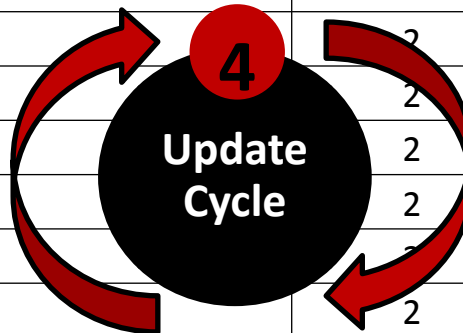
1 Define the CAI categories

Institutions that are non-profit organizations operated by people with a common

2 Define the subtype and prioritize

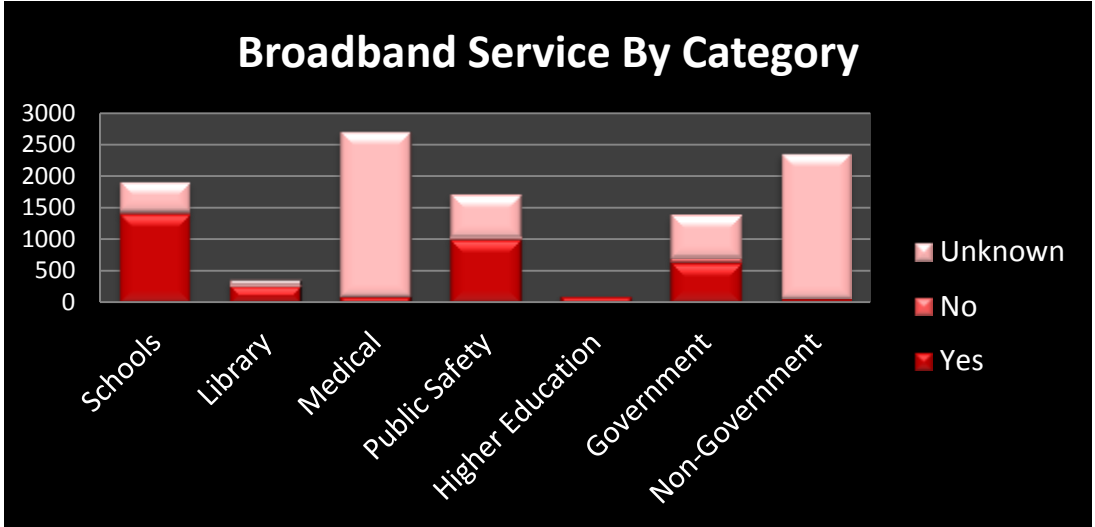
3 Determine authoritative data owners

1. United Way of Central Maryland	Subtype	Priority	Current Number of Facilities
2. CESAR database	BASIC NEEDS	2	831
	CONSUMER SERVICES	2	60
	CRIMINAL / LEGAL SERVICES	2	77
	EDUCATION	2	152
	HEALTHCARE	2	13
	INCOME SUPPORT / EMPLOYMENT	2	125
	INDIVIDUAL / FAMILY LIFE	2	73
	MENTAL HEALTH / SUBSTANCE ABUSE	2	191
	ORGANIZATIONAL / COMMUNITY / INT'L SERVICES	2	362



All Categories

CAICAT	Number of Facilities	BB Service				Technology of Transmission			Download Speeds		
		Yes	No	Unknown	% Complete Broadband Service	Known	Unknown	% Complete Technology	Known	Unknown	% Complete Download Speeds
Schools	1916	1400	33	483	75%	1522	394	79%	741	1175	39%
Library	369	273	0	96	74%	252	117	68%	216	153	59%
Medical	2705	95	0	2610	4%	22	2683	1%	16	2689	1%
Public Safety	1714	1000	31	683	60%	1295	419	76%	752	962	44%
Higher Education	108	96	0	12	89%	89	19	82%	85	23	79%
Government	1398	631	81	686	51%	624	774	45%	498	900	36%
Non-Government	2365	61	7	2297	3%	58	2307	2%	45	2320	2%
Total	10575	3556	152	6867	35%	3862	6713	37%	2353	8222	22%



Value



Outreach and relationship building

Sustainable

Flexibility to mold for state needs

Data provided by authoritative owners

One of a kind GIS database

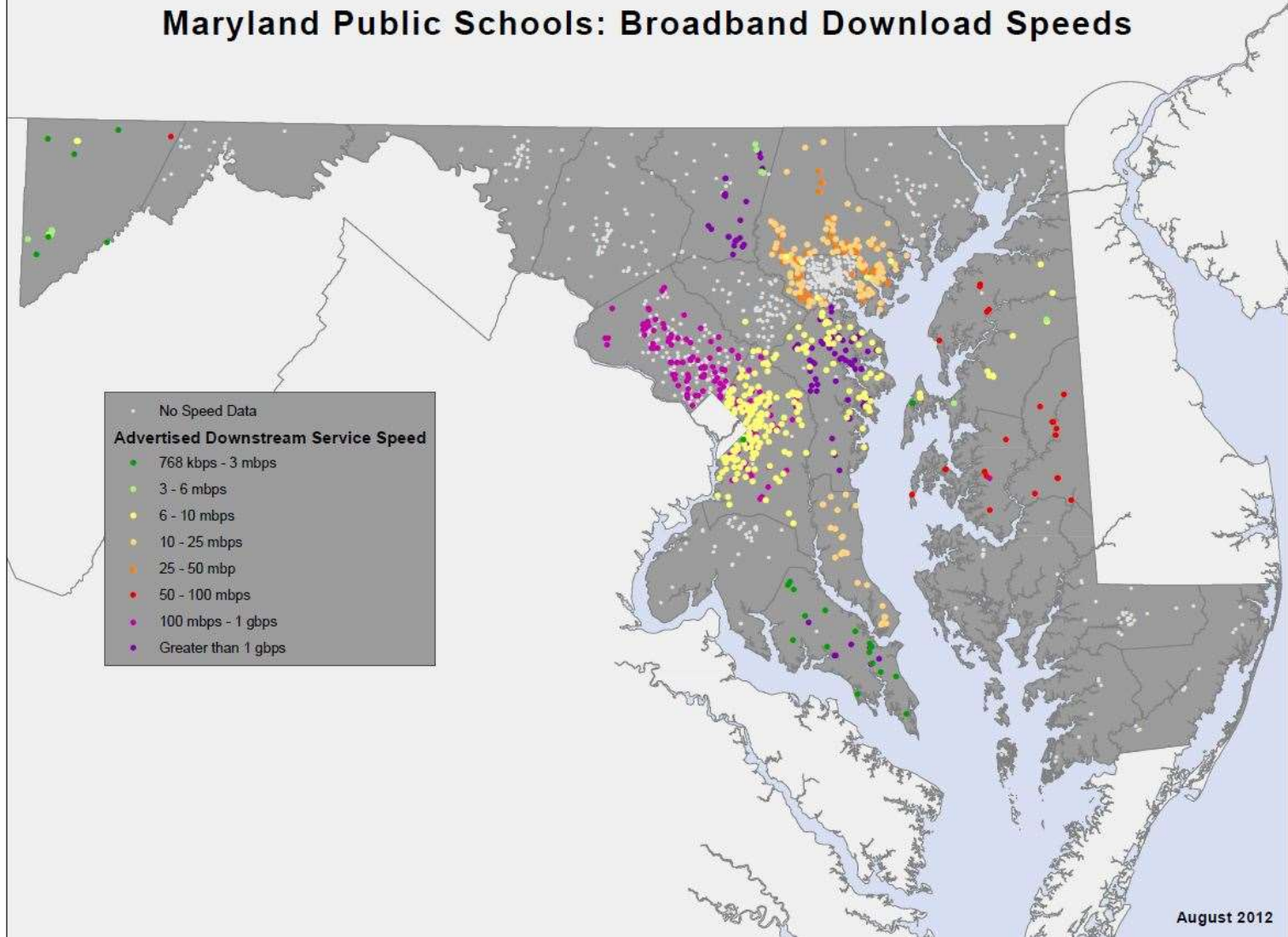
How will you use
this database?

What information
is important to
you?

MARYLAND

BROADBAND MAP

Maryland Public Schools: Broadband Download Speeds



MARYLAND

BROADBAND MAP

 **National Broadband Map**
How connected is my community?

[Permalink](#)  [Short URL »](#)

Broadband Availability Across Demographic Characteristics

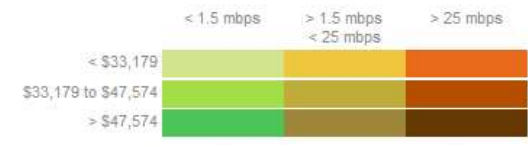
Data as of: 12/31/11

 +2 Recommend this on Google
 Tweet  Like  1.2k

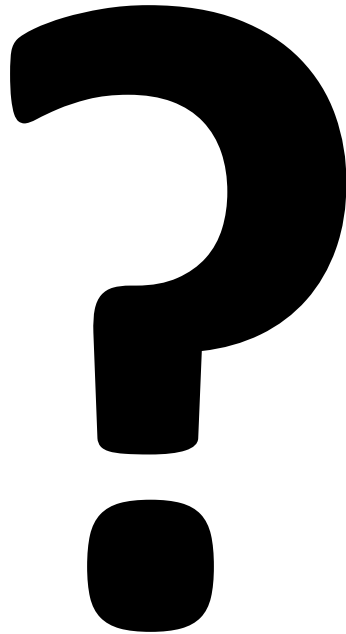
Displaying population by **income**

[DENSITY](#) [AGE](#) [INCOME](#) [EDUCATION](#)

Median household income



Questions



Thank you

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<http://mdbroadbandmap.org/>