





#### Agenda



Considering telehealth as a SDOH



What data to consider



Data sources



Questions





# How Telehealth Reduces Inequities



- Improved access
  - Primary care and specialists
  - Disabilities and homebound
  - Timely care
- Convenient
- Cost savings
- Continuity of care
- Eliminates transportation barriers
- Reduces stigma
- Racial concordant care
- Improved medication adherence



#### Why Consider Telehealth as a SDOH

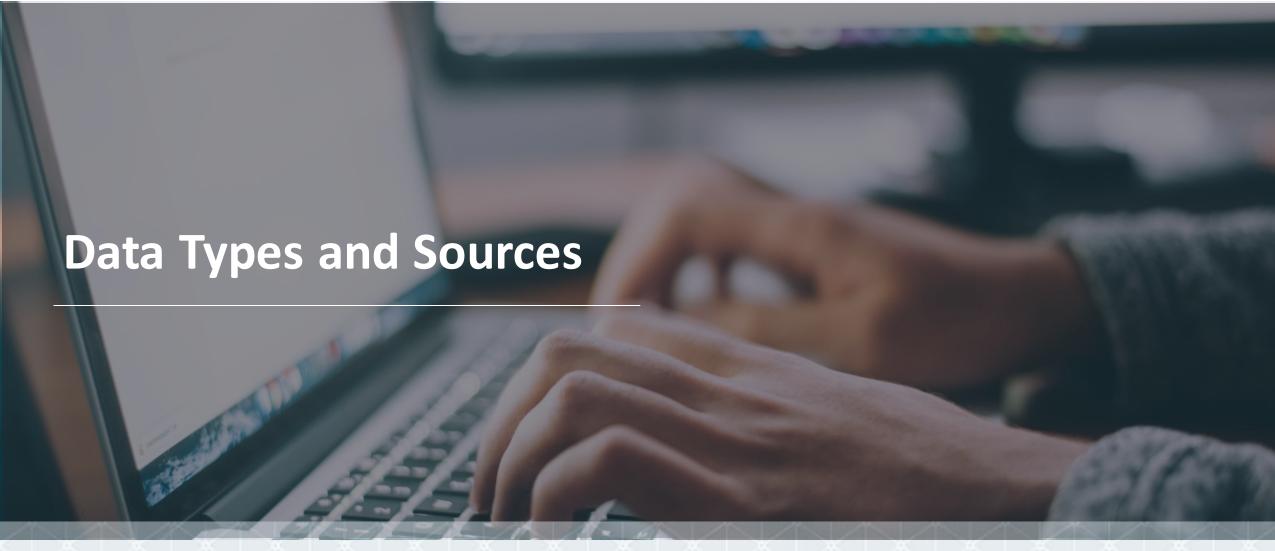
Telehealth has comparable outcomes to in-person, sometime better, and increases access to care

Its use has increased since before COVID and will continue to be an important part of our healthcare system

To fully embrace the benefits of telehealth, issues that prevent its use that are nonmedical factors that influence health outcomes are a component of SDOH

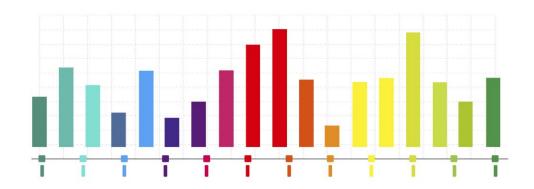
Policy changes to address digital SDOH factors may strengthen existing health care and public health systems to allow for patient and community-centered approaches to improve health







## Meaningful Data



#### **Digital literacy**

The ability to use information and communication technologies to find, evaluate, create, and communicate information, requiring both cognitive and technical skills

#### **Digital access**

Having equitable, meaningful, and safe access to use digital technologies, services, and associated opportunities

#### **Education**

Knowing about telehealth, how to access a provider, insurance coverage, trust



#### **Primary Data**

 Data that is collected directly by the researcher or investigator for the specific purpose of addressing the research problem or question at hand.

- Interviews
- Focus groups
- Surveys
- Document reviews
- Observation



# Example questions to consider-digital literacy

How confident are you in using the Internet to find health information?

How comfortable are you with using digital communication tools like video conferencing, instant messaging, or social media?

How do you typically verify the credibility of online information?

How comfortable are you with performing basic tasks like sending emails, browsing the web, and using search engines?

How confident are you in identifying online scams, phishing attempts or cybersecurity threats?



# Example questions to consider-access

Can you access the Internet?

How do you access the Internet?

Where do you access the Internet?

Do you use your patient portal?

Do you have a private place in your home where you can have a telehealth consultation?



Example questions to consider – education

Are you aware of having a patient portal?

What is your level of knowledge about telehealth?

Does your primary care physician provide telehealth consultants?

Do you know how to locate a telehealth provider?

Does your insurance cover telehealth visits?

How do you compare care via telehealth to in-person?

What is your level of trust in telehealth?



#### Secondary Data

#### **Example Sources**

- Government
- Associations
- National or regional surveys
- Industry reports

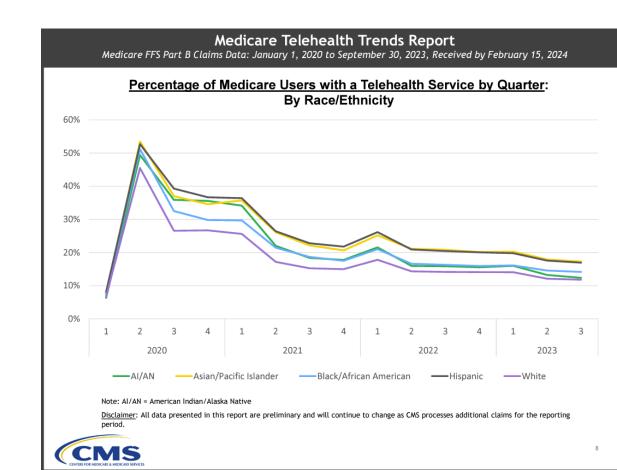
#### Secondary Data

 Data that has already been collected by someone else for a different purpose or research study, rather than being collected firsthand or primarily for the current analysis.



#### Medicare Telehealth Trends Data

- Information on telehealth use by Medicare Fee-for Service
- The Medicare Telehealth Trends dataset provides information about people with Medicare who used telehealth services between January 1, 2020 and September 30, 2023
- The data were used to generate the Medicare Telehealth Trends Report





#### Microsoft Digital Equity Data Dashboard

This tool is intended to empower policymakers to identify regions with digital equity gaps, which may be indicated by:

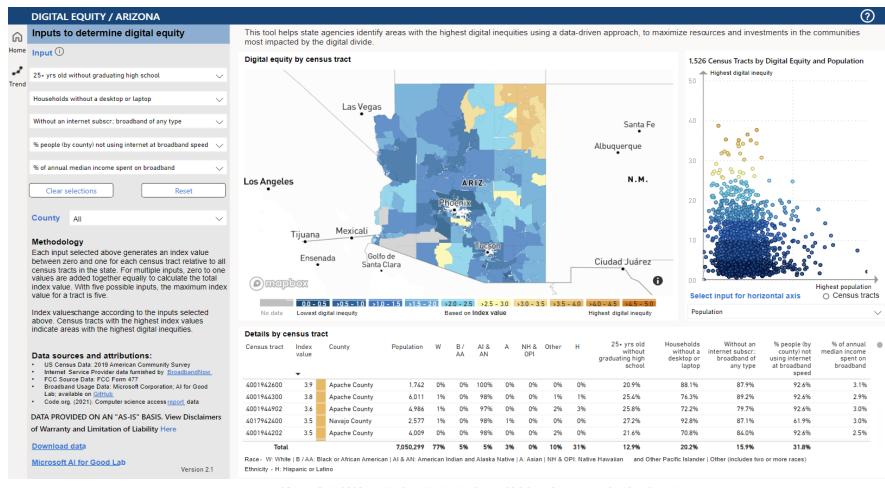
Low rates of broadband availability | Low rates of broadband adoption | Low rates of broadband usage | Gaps in broadband affordability | Low rates of educational attainment Low rates of computer ownership | High rates of disability | High rates of poverty | And other indicators

This data can help policymakers direct funding and programmatic investments to the communities most impacted by the digital divide.

Select a location to view digital equity by census tracts

| Alabama      | Alaska        | Arizona              | Arkansas       | California   | Colorado       |  |
|--------------|---------------|----------------------|----------------|--------------|----------------|--|
| Connecticut  | Delaware      | District of Columbia | Florida        | Georgia      | Hawaii         |  |
| Idaho        | Illinois      | Indiana              | lowa           | Kansas       | Kentucky       |  |
| Louisiana    | Maine         | Maryland             | Massachusetts  | Michigan     | Minnesota      |  |
| Mississippi  | Missouri      | Montana              | Nebraska       | Nevada       | New Hampshire  |  |
| New Jersey   | New Mexico    | New York             | North Carolina | North Dakota | Ohio           |  |
| Oklahoma     | Oregon        | Pennsylvania         | Puerto Rico    | Rhode Island | South Carolina |  |
| South Dakota | Tennessee     | Texas                | Utah           | Vermont      | Virginia       |  |
| Washington   | West Virginia | Wisconsin            | Wyoming        |              |                |  |

#### Microsoft Digital Equity Data Dashboard





## Microsoft Digital Equity Data

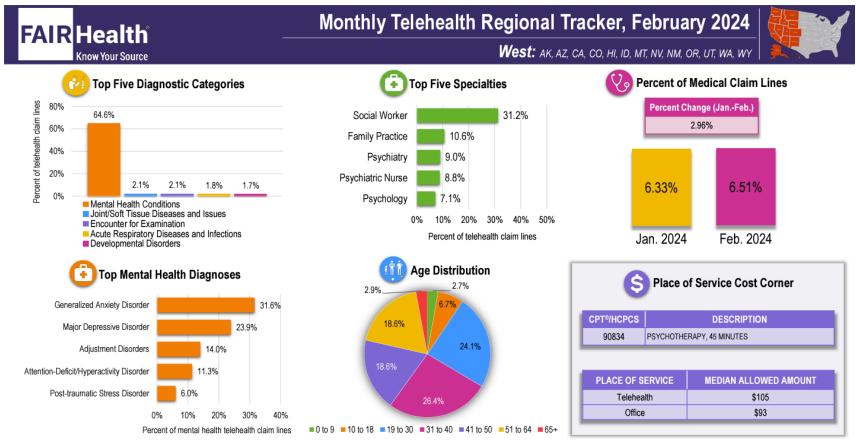
| Details by census tract |                |               |            |     |          |            |    |             |       |     |   |   |   |  |   |
|-------------------------|----------------|---------------|------------|-----|----------|------------|----|-------------|-------|-----|---|---|---|--|---|
| Census tract            | Index<br>value | County        | Population | W   | B/<br>AA | AI &<br>AN | Α  | NH &<br>OPI | Other | Н   | 25+ yrs old<br>without<br>graduating high<br>school | Households<br>without a<br>desktop or<br>laptop | Without an<br>internet subscr.:<br>broadband of<br>any type | % people (by<br>county) not<br>using internet<br>at broadband<br>speed | % of annual<br>median income<br>spent on<br>broadband |
| 4001942600              | 3.9            | Apache County | 1,742      | 0%  | 0%       | 100%       | 0% | 0%          | 0%    | 0%  | 20.9%   | 88.1%   | 87.9%   | 92.6%  | 3.1%  |
| 4001944300              | 3.8            | Apache County | 6,011      | 1%  | 0%       | 98%        | 0% | 0%          | 1%    | 1%  | 25.4%   | 76.3%   | 89.2%   | 92.6%  | 2.9%  |
| 4001944902              | 3.6            | Apache County | 4,986      | 1%  | 0%       | 97%        | 0% | 0%          | 2%    | 3%  | 25.8%   | 72.2%   | 79.7%   | 92.6%  | 3.0%  |
| 4017942400              | 3.5            | Navajo County | 2,577      | 1%  | 0%       | 98%        | 1% | 0%          | 0%    | 0%  | 27.2%   | 92.8%   | 87.1%   | 61.9%  | 3.0%  |
| 4001944202              | 3.5            | Apache County | 4,009      | 0%  | 0%       | 98%        | 0% | 0%          | 2%    | 0%  | 21.6%   | 70.8%   | 84.0%   | 92.6%  | 2.5%  |
| Total                   |                | _             | 7,050,299  | 77% | 5%       | 5%         | 3% | 0%          | 10%   | 31% | 12.9%   | 20.2%   | 15.9%   | 31.8%  |   |

Race- W: White | B / AA: Black or African American | AI & AN: American Indian and Alaska Native | A: Asian | NH & OPI: Native Hawaiian and Other Pacific Islander | Other (includes two or more races)

Ethnicity - H: Hispanic or Latino

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## Regional



Source: FH NPIC® database of more than 46 billion privately billed medical and dental claim records from more than 75 contributors nationwide. Copyright 2024, FAIR Health, Inc. All rights reserved. CPT © 2023 American Medical Association (AMA). All rights reserved.

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## Regional



#### **Regional Statistics**

Select Month

February 2024 ◆

National Statistics
Select Month

February 2024 

View

FAIR Health White Papers and Data Briefs

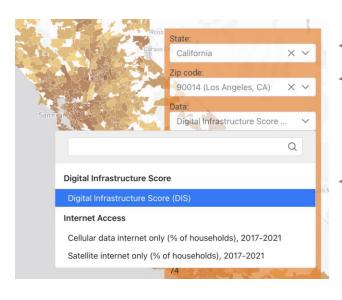
FH<sup>®</sup>Benchmarks



**Digital Infrastructure Score** 

#### **Objective**

Provide health stakeholders and leaders with a tool that scores a communities digital infrastructure (i.e. capacity to have a solid, affordable connection to the internet) and adjacent resources that identify key gaps in a solid, reliable connection.



Select geography based on state and zip code

Select the variable of interest.

The default variable is the Digital Infrastructure Score (DIS) which is a composite value based on 1) Baseline ability to access the internet, 2) The speed of that connection, 3) The existence of modalities for that connection, and 4) The comparative data cost of that connection. The score ranges from 0-100. A higher score translates to stronger digital infrastructure.

Step

Step





Isolate regions or areas with a comparatively low DIS

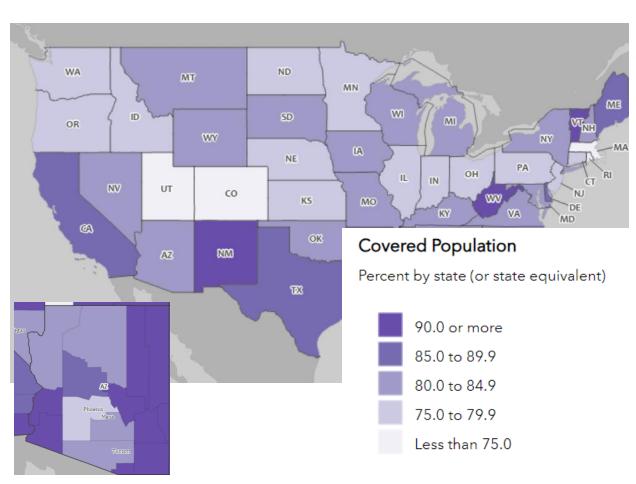
Step



Leverage the other ancillary variables to deconstruct areas of opportunity for raising a community's DIS.

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#### **Digital Equity Act Population Viewer**



Arizona (04)

Total population<sup>1</sup>: 7,359,197

Total covered population<sup>1</sup>: 5,919,000

Covered population<sup>1</sup>: 80.4%

In covered households<sup>1</sup>: 20.7%

Aged 60 or over<sup>1</sup>: 25.0%

Incarcerated<sup>1</sup>: 0.7%

Veteran<sup>1</sup>: 6.2%

With a disability<sup>1</sup>: 13.8%

With a language barrier<sup>2</sup>: 21.7%

English learners<sup>1</sup>: 8.2% Low literacy<sup>3</sup>: 23.4%

Racial or ethnic minority<sup>1</sup>: 48.2%

**Rural<sup>4</sup>:** 13.5%

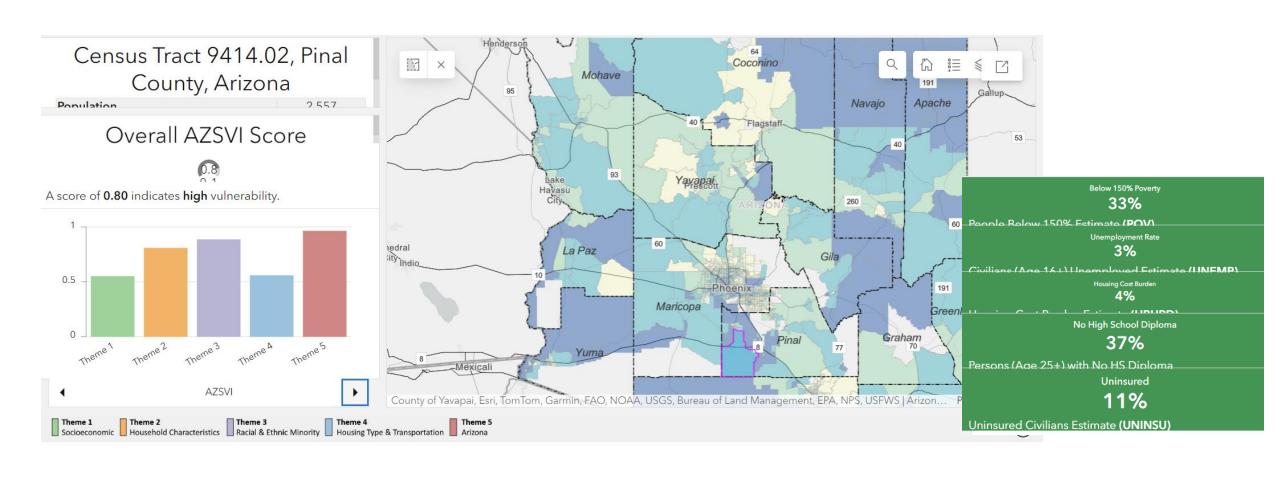
Population in households lacking fixed broadband availability<sup>5</sup>: 7.0%

Population in households lacking computer or broadband subscription<sup>1</sup>: 7.4%

Population not using the internet<sup>6</sup>: 21.1%

Population not using a PC or tablet computer<sup>6</sup>: 38.2%

#### **Arizona Disparities Map**



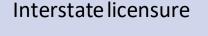


#### **Uses of This Data**



Policy examples

Audio only reimbursement





Community planning examples

Community health needs assessments

Create access sites: Internet living rooms

**Education needs** 

Program implementation methods



Research examples

Clinical trials

Impacts of technology on disease management



#### Summary



Digital literacy, ability to access technology, and education about telehealth are a SDOH



Data should be incorporated into policies, community planning, and research



## Questions

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#### References

Centers for Medicare & Medicaid. Medicare (2023, July 17). Telehealth Trends

**Report.** chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://data.cms.gov/sites/default/files/2023-09/Medicare%20Telehealth%20Trends%20Snapshot%2020230821\_508.pdf

Vogels, E.A. (2021, August 19). Some digital divides persist between rural, urban and suburban America. Pew Research Center.

https://www.pewresearch.org/short-reads/2021/08/19/some-digital-divides-persist-between-rural-urban-and-suburban-america/



#### Resources

**American Telemedicine Association Disparities Map** 

https://info.americantelemed.org/disparities-advisory-group-toolkit

**Arizona Health Disparities Map** 

https://crh.arizona.edu/news/arizona-department-health-services-has-new-tool-address-health-disparities

**Digital Equity Act Population Viewer** 

https://mtgis-

portal.geo.census.gov/arcgis/apps/webappviewer/index.html?id=c5e6cf675865464a90ff1573c5072b42

**Fair Health** 

https://www.fairhealth.org/fh-trackers/telehealth

**Medicare Telehealth Trends** 

https://data.cms.gov/summary-statistics-on-use-and-payments/medicare-service-type-reports/medicare-telehealth-trends

**Microsoft Digital Equity Data Dashboard** 

https://app.powerbi.com/view?r=eyJrIjoiM2JmM2QxZjEtYWEzZi00MDI5LThIZDMtODMzMjhkZTY2Y2Q2IiwidCl6ImMxMzZIZWMwLWZIOTItNDVIMC1iZWFILTQ2OTg0OTczZTIzMiIsImMiOjF9