Community Inclusion in Colorado

A Mapping Project for Emergency Preparedness and Response

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University of Colorado Denver

COLORADO
Office of Emergency Preparedness & Response
Department of Public Health & Environment

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Center for Health & Environmental Data
Department of Public Health & Environment

Community Inclusion in Colorado

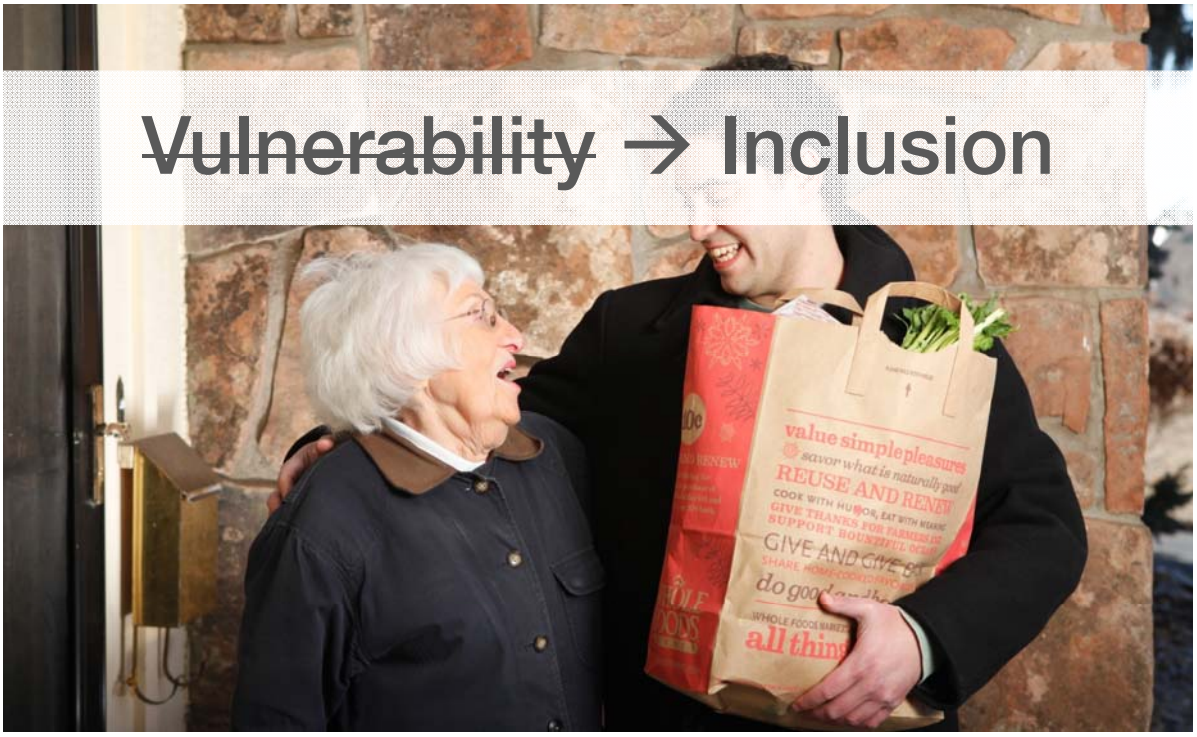
"understanding that HUMAN ENERGY is the currency of social change…does not simply open the process of change to all; it also removes the prerequisites for action, meaning that productive change can begin anywhere, at any time."

"Improving the quality of life for a community starts by strengthening successes already operating."

- Taylor, Taylor & Taylor. *Empowerment on an unstable planet: From seeds of human energy to a scale of global change*

Human Energy

Community Inclusion in Colorado



Community Inclusion in Colorado

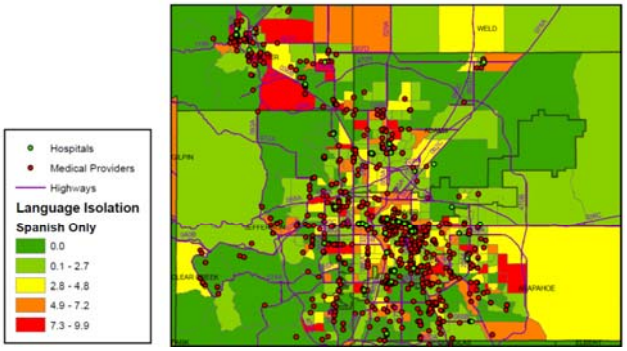
- Past Projects
- Understanding Barriers
- Culture Change
- New Data
- Recent Colorado Disasters

The Perfect Storm

Community Inclusion in Colorado

In 2006, maps and shapefiles were created using 2000 U.S. Census data and Colorado healthcare sources

- Households below poverty level
- Race and ethnicity
- Refugee status by nationality, birth country, or language
- Primary language spoken other than English/Language Isolation
- Households on public assistance



- Households using public transportation vs. car
- Location of healthcare facilities

Past Mapping Projects

Community Inclusion in Colorado

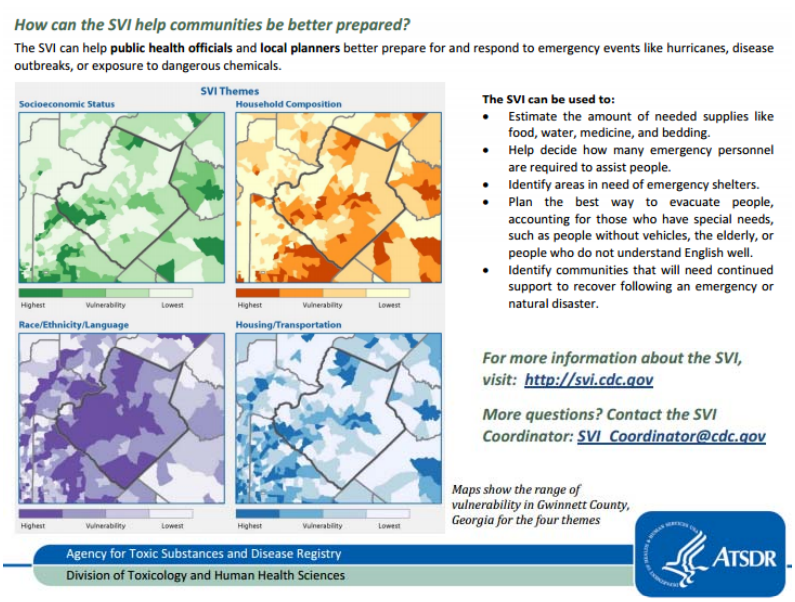
Limitations to early mapping of this kind of data:

- Difficult to share, bulky shapefiles
- Not interactive, PDFs to enable sharing
- Limited data available
- Interest in community mapping by broad groups not widespread.
- Lack of awareness or connection between different groups for sharing resources

Understanding Barriers

Community Inclusion in Colorado

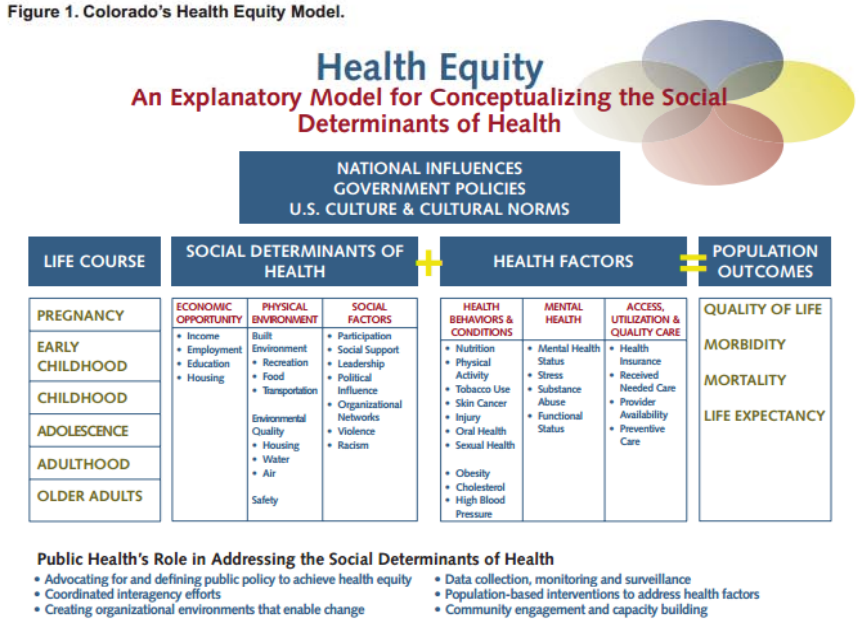
- Whole Community Inclusion
- Access and Functional Needs (C-MIST) and Influencers (Economics, Isolation)
- Social Vulnerability Index (ATSDR - CDC)



Cultural Change in Emergency Planning

Community Inclusion in Colorado

Figure 1. Colorado's Health Equity Model.



Public Health's Role in Addressing the Social Determinants of Health

- Advocating for and defining public policy to achieve health equity
- Coordinated interagency efforts
- Creating organizational environments that enable change
- Data collection, monitoring and surveillance
- Population-based interventions to address health factors
- Community engagement and capacity building

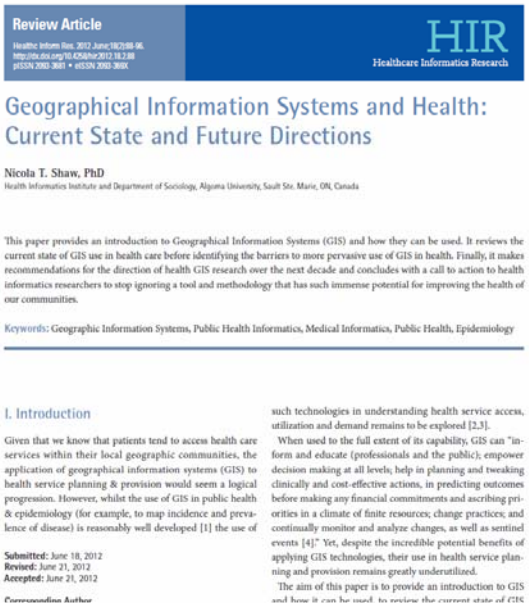
Shaping a State of Health: Colorado's Plan for Improving Public Health and the Environment 2015-2019 | 2

Socio-Demographic Data Utilization in Public Health

Community Inclusion in Colorado

- Map where things are
- Map quantities
- Map densities
- Find out what is inside
- Find out what is nearby
- Model change over time

- Disease Surveillance
- Risk Analysis
- Health Access and Planning
- Community Health Profiling
- Built Environment
- Crisis Management



Review Article

HIR Healthcare Informatics Research

Geographical Information Systems and Health: Current State and Future Directions

Nicola T. Shaw, PhD
Health Informatics Institute and Department of Sociology, Algoma University, Sault Ste. Marie, ON, Canada

This paper provides an introduction to Geographical Information Systems (GIS) and how they can be used. It reviews the current state of GIS use in health care before identifying the barriers to more pervasive use of GIS in health. Finally, it makes recommendations for the direction of health GIS research over the next decade and concludes with a call to action to health informatics researchers to stop ignoring a tool and methodology that has such immense potential for improving the health of our communities.

Keywords: Geographic Information Systems, Public Health Informatics, Medical Informatics, Public Health, Epidemiology

I. Introduction

Given that we know that patients tend to access health care services within their local geographic communities, the application of geographical information systems (GIS) to health service planning & provision would seem a logical progression. However, whilst the use of GIS in public health & epidemiology (for example, to map incidence and prevalence of disease) is reasonably well developed [1] the use of such technologies in understanding health service access, utilization and demand remains to be explored [2,3].

When used to the full extent of its capability, GIS can "inform and educate (professionals and the public); empower decision making at all levels; help in planning and tweaking clinically and cost-effective actions, in predicting outcomes before making any financial commitments and ascribing priorities in a climate of finite resources; change practices; and continually monitor and analyze changes, as well as sentinel events [4]." Yet, despite the incredible potential benefits of applying GIS technologies, their use in health service planning and provision remains greatly underutilized.

The aim of this paper is to provide an introduction to GIS

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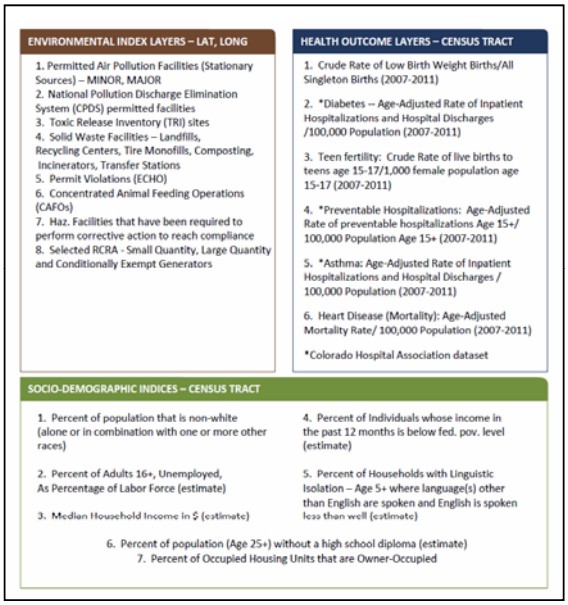
Revised: June 21, 2012
Accepted: June 21, 2012

GIS Connect People to Data and People to People

Community Inclusion in Colorado

Health Equity & Environmental Justice Collaborative (CDPHE)

- Inventory of Health Outcome, Socio-Demographic, and Environmental Facility Data to inform community-based activities
- Internal Map Viewer
- Inform Permitting and Grant Processes
- What data do we have that local health and environmental health agencies need?



ENVIRONMENTAL INDEX LAYERS – LAT, LONG

1. Permitted Air Pollution Facilities (Stationary Sources) – MINOR, MAJOR
2. National Pollution Discharge Elimination System (CPDS) permitted facilities
3. Toxic Release Inventory (TRI) sites
4. Solid Waste Facilities – Landfills, Recycling Centers, Tire Monofills, Composting, Incinerators, Transfer Stations
5. Permit Violations (ECHO)
6. Concentrated Animal Feeding Operations (CAFOs)
7. Haz. Facilities that have been required to perform corrective action to reach compliance
8. Selected RCRA - Small Quantity, Large Quantity and Conditionally Exempt Generators

HEALTH OUTCOME LAYERS – CENSUS TRACT

1. Crude Rate of Low Birth Weight Births/All Singleton Births (2007-2011)
2. *Diabetes – Age-Adjusted Rate of Inpatient Hospitalizations and Hospital Discharges /100,000 Population (2007-2011)
3. Teen fertility: Crude Rate of live births to teens age 15-17/1,000 female population age 15-17 (2007-2011)
4. *Preventable Hospitalizations: Age-Adjusted Rate of preventable hospitalizations Age 15+/ 100,000 Population Age 15+ (2007-2011)
5. *Asthma: Age-Adjusted Rate of Inpatient Hospitalizations and Hospital Discharges / 100,000 Population (2007-2011)
6. Heart Disease (Mortality): Age-Adjusted Mortality Rate/ 100,000 Population (2007-2011)

*Colorado Hospital Association dataset

SOCIO-DEMOGRAPHIC INDICES – CENSUS TRACT

1. Percent of population that is non-white (alone or in combination with one or more other races)
2. Percent of Adults 16+, Unemployed, As Percentage of Labor Force (estimate)
3. Median Household Income in $ (estimate)
4. Percent of Individuals whose income in the past 12 months is below fed. pov. level (estimate)
5. Percent of Households with Linguistic Isolation – Age 5+ where language(s) other than English are spoken and English is spoken less than well (estimate)
6. Percent of population (Age 25+) without a high school diploma (estimate)
7. Percent of Occupied Housing Units that are Owner-Occupied

Collaborative Efforts

Community Inclusion in Colorado

- Jurisdictions
- Socio-Demographics Estimates
- Disability Rates
- Road Networks
- Fire Boundaries
- Flood Zones
- Emergency Responders
- Planning Policies
- Disease Tracking
- Health Agencies
- Health Care Facilities
- Physicians/Pharmacies

- Improve Resource and Information Communication
- Inform Emergency Planning
- Assess Community Inclusion Factors
- Inform Community Health Assessment
- Measure Health Burden
- Model Changes over Time
- Study Interaction with Environmental Exposures and Built Environment
- Inform Health and Planning Policies

Good Location Data Improves our Ability to Make Decisions

Community Inclusion in Colorado

- American Community Survey functional data
- CDPHE Health Facilities
- Assistive Technology Partners' Service Providers and Community Organizations

New Data for Functional Communities

Community Inclusion in Colorado

- 2007 Holly Tornado
- 2008 Salmonella Outbreak
- 2012 High Park and Waldo Canyon Wildfires
- 2012 Aurora Theater Shooting
- 2013 Black Forest Wildfires
- 2013 Colorado Floods

Recent Colorado Disasters

Community Inclusion in Colorado

- A simple, easy-to-use, online tool of Colorado data
  - Complements current planning with people-centric information
  - Catalyzes conversations, then action, for Whole Community Inclusion
- Bonus – begins to compile a registry of statewide resources and community partners

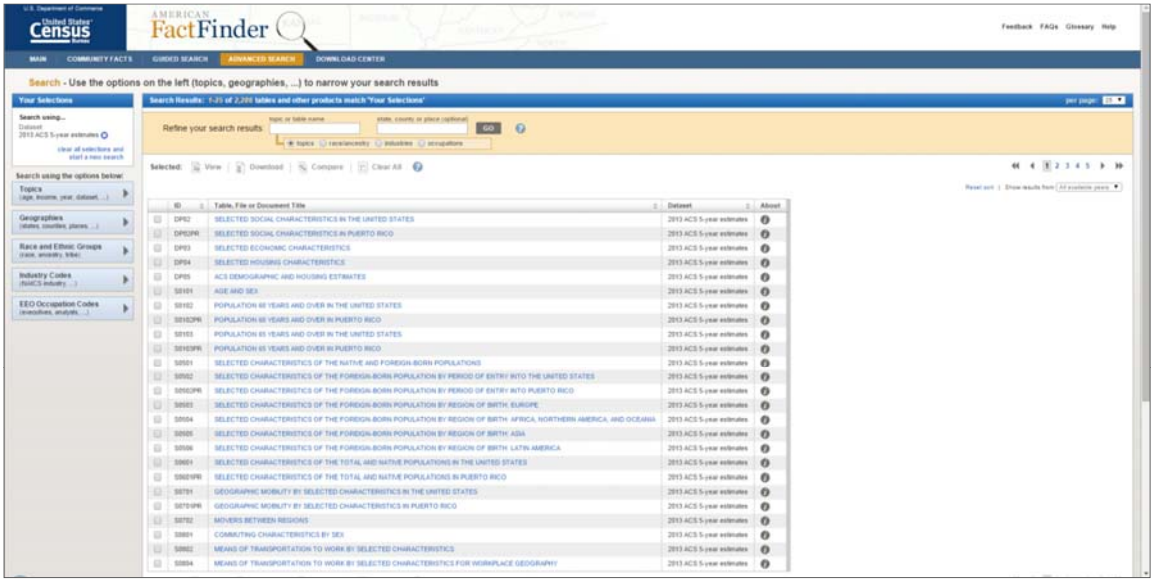
Map Project Goals

Community Inclusion in Colorado

- Identifying Indicators
- Web-Maps can empower larger audience to connect with data
- Connect to map server and web map technology
- Data Dissemination
- Provides additional capabilities (Web-Map templates)
- Pushes data out as map services for other audiences to utilize
- Storymap and Briefing Book Application templates (Create context around data)

Developing the Maps

Community Inclusion in Colorado



- American FactFinder Website
- Data Queries and Download
- Organize Data from Census Into Spreadsheet

Geo-Enabling Socio-Demographic and Functional Indicators

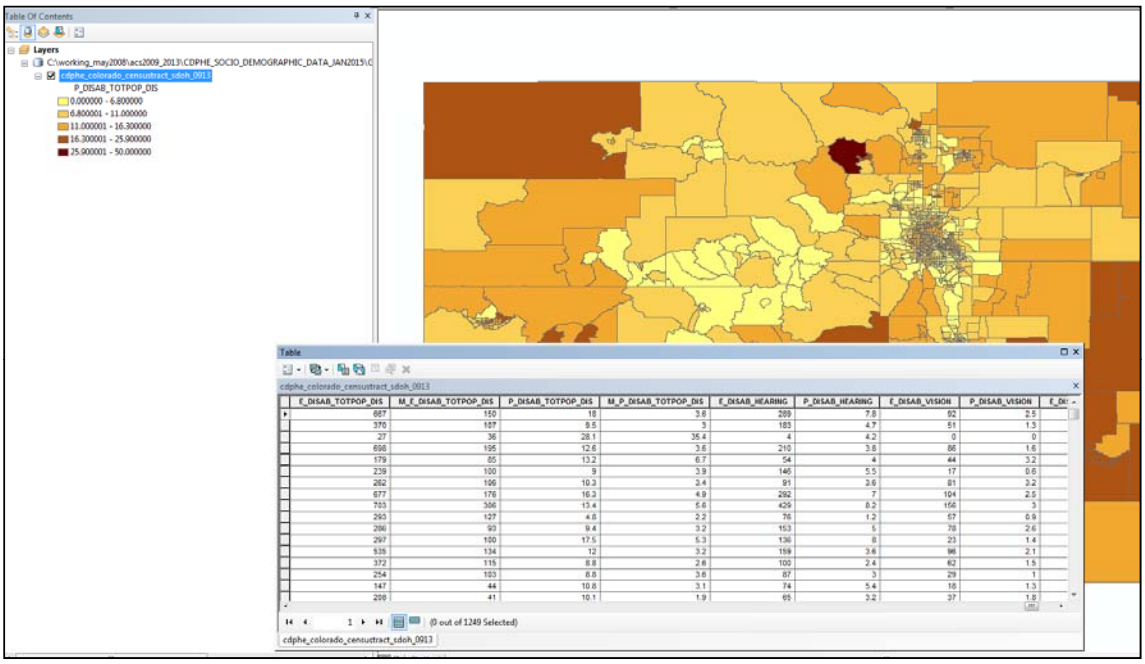
Community Inclusion in Colorado

	A	B	C	D	E	F	G	PR	PS	PT
1	FULL_FIPS	TRACT	TRACT_FIPS	STATE_ABBREVIATION	STATE_FIPS	AREA_LAND_SQMETER	AREA_LAND_SQMILES	E_DISAB_AMBULATOR	P_DISAB_AMBULATORE	E_DISAB_SELFCARE
2	1400000US08001007801	Census Tract 78.01, Ad	08001007801	CO	08	641546	0.25	219	5.4	40
3	1400000US08001007802	Census Tract 78.02, Ad	08001007802	CO	08	637376	0.25	229	5.9	91
4	1400000US08001007900	Census Tract 79, Adam	08001007900	CO	08	1664363	0.64	312	4.7	126
5	1400000US08001008000	Census Tract 80, Adam	08001008000	CO	08	1996530	0.77	296	5.1	128
6	1400000US08001008100	Census Tract 81, Adam	08001008100	CO	08	2694249	1.04	48	6.2	29
7	1400000US08001008200	Census Tract 82, Adam	08001008200	CO	08	4362319	1.68	345	7.3	52
8	1400000US08001008308	Census Tract 83.08, Ad	08001008308	CO	08	4387873	1.69	386	6.4	118
9	1400000US08001008309	Census Tract 83.09, Ad	08001008309	CO	08	12153039	4.69	136	4.0	134
10	1400000US08001008353	Census Tract 83.53, Ad	08001008353	CO	08	112147450	43.30	146	2.6	94
11	1400000US08001008401	Census Tract 84.01, Ad	08001008401	CO	08	498780350	192.58	176	4.3	24
12	1400000US08001008402	Census Tract 84.02, Ad	08001008402	CO	08	1736088675	670.31	128	2.7	44
13	1400000US08001008505	Census Tract 85.05, Ad	08001008505	CO	08	3057927	1.18	479	7.0	226
14	1400000US08001008506	Census Tract 85.06, Ad	08001008506	CO	08	1677225	0.65	677	12.3	302
15	1400000US08001008507	Census Tract 85.07, Ad	08001008507	CO	08	2614558	1.01	262	3.9	88
16	1400000US08001008508	Census Tract 85.08, Ad	08001008508	CO	08	2521568	0.97	120	2.4	86
17	1400000US08001008523	Census Tract 85.23, Ad	08001008523	CO	08	194157335	74.96	304	4.0	149
18	1400000US08001008524	Census Tract 85.24, Ad	08001008524	CO	08	4984870	1.92	152	2.0	94
19	1400000US08001008526	Census Tract 85.26, Ad	08001008526	CO	08	7240420	2.80	177	2.6	47
20	1400000US08001008529	Census Tract 85.29, Ad	08001008529	CO	08	6080003	2.35	541	6.9	345
21	1400000US08001008533	Census Tract 85.33, Ad	08001008533	CO	08	3353031	1.29	161	2.3	83
22	1400000US08001008534	Census Tract 85.34, Ad	08001008534	CO	08	2340135	0.90	195	4.3	61
23	1400000US08001008535	Census Tract 85.35, Ad	08001008535	CO	08	15145733	5.85	67	2.0	26

- ArcGIS: Join Spreadsheet to Existing Census Tract Map Layer
- Geodatabase Storage

Geo-Enabling Socio-Demographic and Functional Indicators

Community Inclusion in Colorado

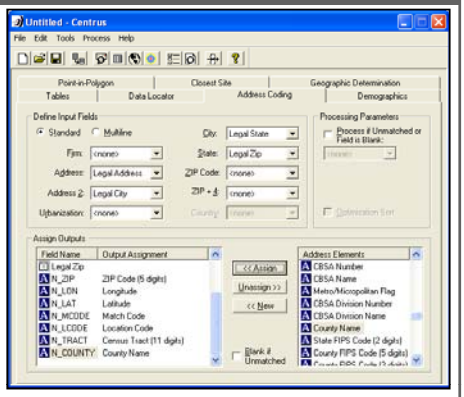


- Symbolize each Indicator in Map Project File

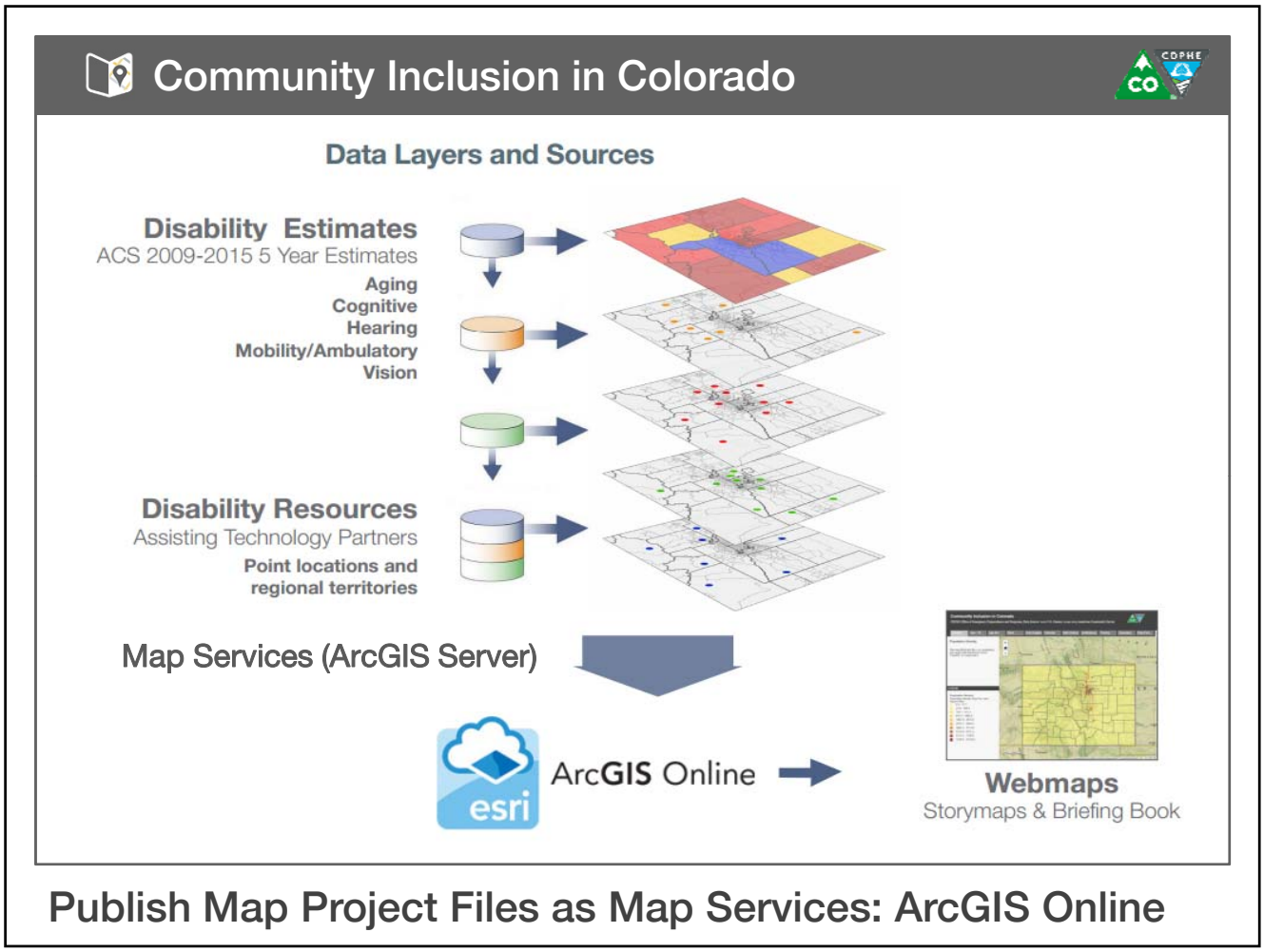
Geo-Enabling Socio-Demographic and Functional Indicators

Community Inclusion in Colorado

- Resources Addresses and Contact Information Listed in Spreadsheet by Disability/Difficulty Type
- Resource "Districts" Identified (Single County, Multiple Counties or Statewide)
- Geocoding of Addresses (Centrus)
- Address Modification
- ArcGIS: Create Layers of Resource Addresses and Resource Districts
- Symbolize each Resource by Disability/Difficulty Type in Map Project File

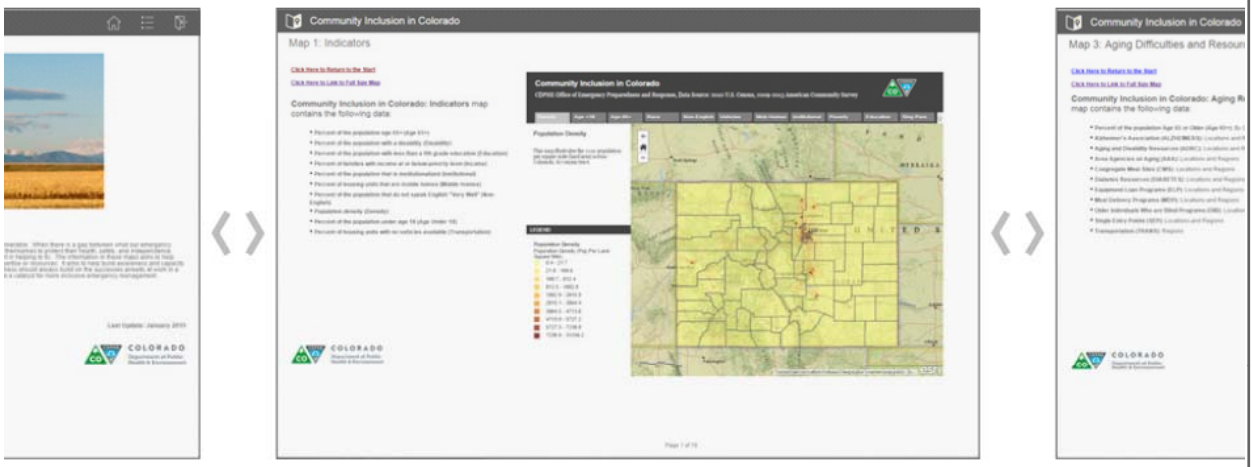


Geo-Enabling Disability/Difficulty Resources



Publish Map Project Files as Map Services: ArcGIS Online

Community Inclusion in Colorado



- Customizable Template
- Connect each Page to Individual Disability/Difficulty StoryM
- Table of Contents
- Add context for each map
- Images, Logos, URLs

Implementation using ArcGIS Online *Briefing Book* Template

Community Inclusion in Colorado

- Partner Feedback
- SURPRISE!

Community Inclusion in Colorado

- UC Denver Assistive Technology Programs
  - Outreach
  - Statewide Independent Living Council
    - 3 year state plan
    - Data collection

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Access and Functional Needs Resources

Community Inclusion in Colorado

- Identify disability population hubs in both rural and urban areas to allow for more targeted outreach and efficient use of resources.
- Identify and map information to create an understanding of service areas.
  - Existing services & support groups
  - Disability by type and by age
  - Homeless populations (Point in time survey)
- Work together to increase the capacity to provide services throughout catchment areas

State Independent Living Council Goals

Community Inclusion in Colorado

- Compilation of information delineating existing populations of and services already in existence for Colorado's citizens with significant disabilities
- Compile information to guide outreach to underserved communities in Colorado
- Use maps to identify potential collaborations with local support groups and service providers
- Provide educational and other events through collaborations with local agencies

Outcomes

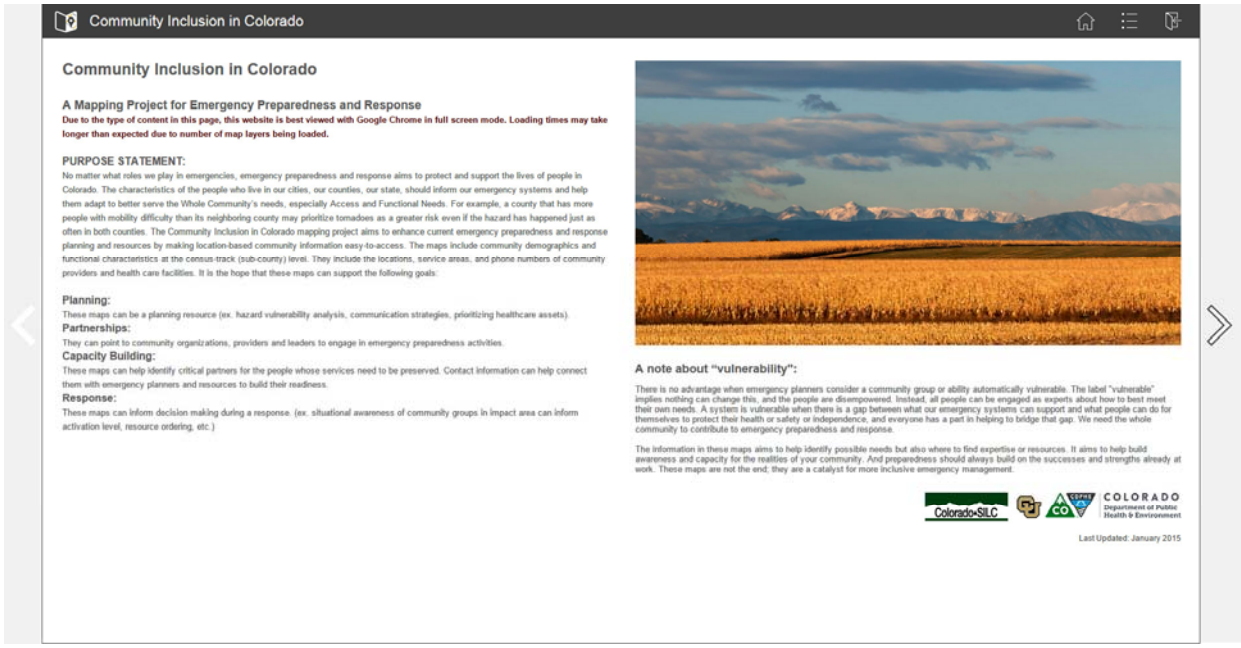
Community Inclusion in Colorado

- State AT Programs - http://www.resnaprojects.org/allcontacts/statewidecontacts.html
- State Independent Living Councils – http://www.ilru.org/projects/silc-net/silc-directory
- Assistive Technology Partners - http://www.assistivetechnologypartners.org

Resources

Community Inclusion in Colorado

https://bit.ly/CICOmaps



The Community Inclusion in Colorado MapBook

Community Inclusion in Colorado

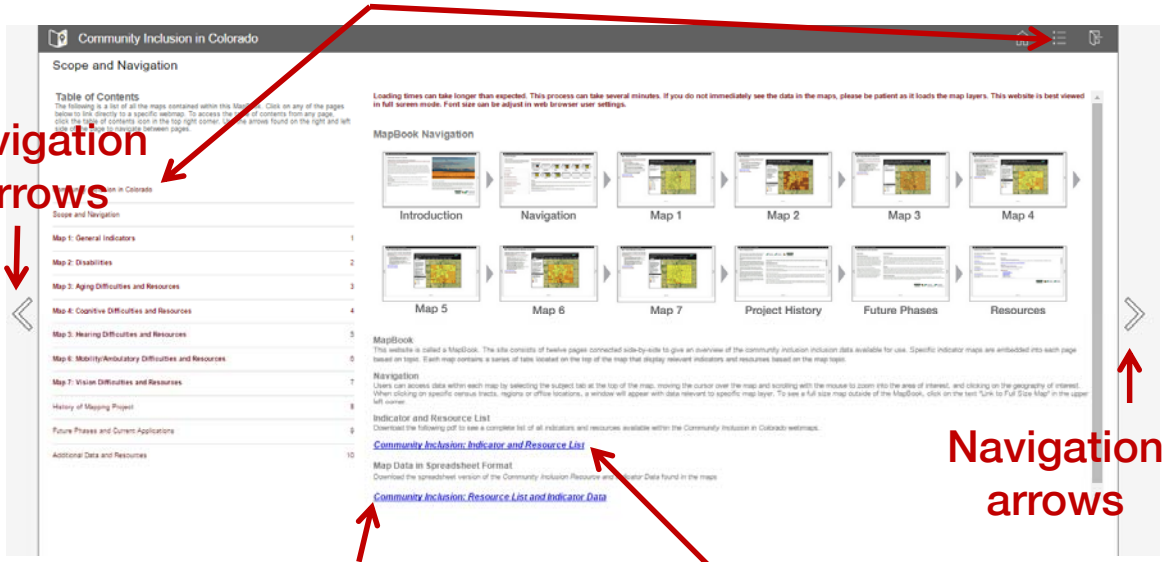
- Welcome Page
- Navigation
- Map 1: General Indicators
- Map 2: Disabilities
- Map 3: Aging Difficulties and Resources
- Map 4: Cognitive Difficulties and Resources
- Map 5: Hearing Difficulties and Resources
- Map 6: Mobility Difficulties and Resources
- Map 7: Vision Difficulties and Resources
- History of Mapping Project
- Future Phases and Current Applications
- Additional Data and Resources

Table of Contents

Community Inclusion in Colorado

Table of Contents

Navigation arrows



Navigation arrows

Downloadable Spreadsheet of all Indicators and Resources data

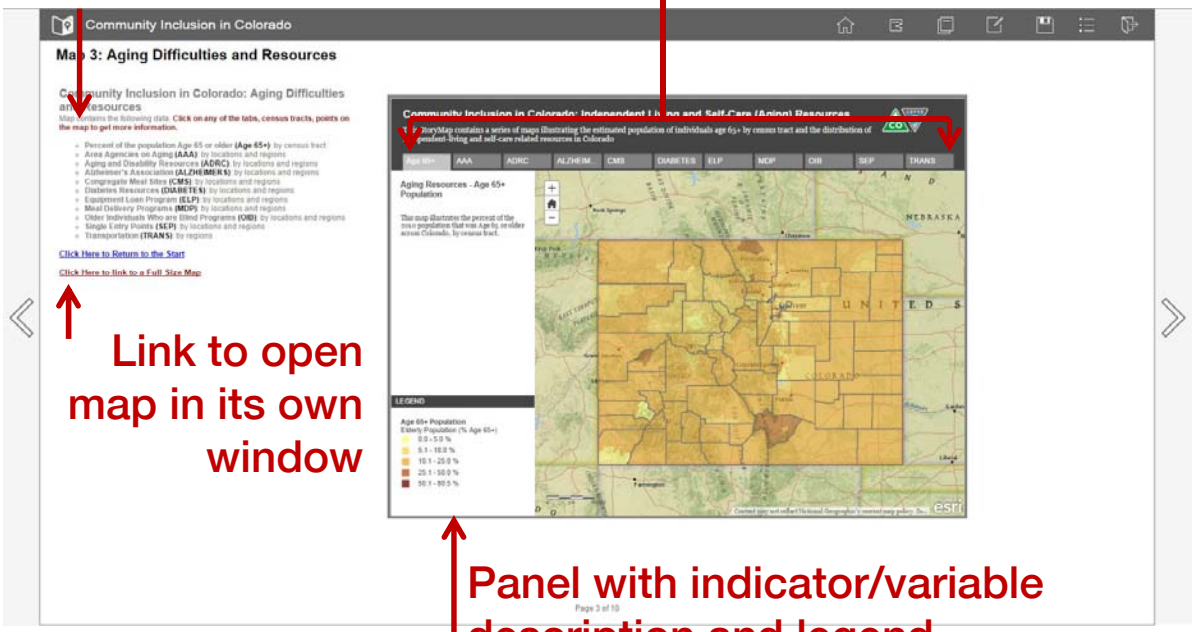
Downloadable PDF of Indicators and Resources

Map Book

Community Inclusion in Colorado

List of indicators and resources found in the adjacent map

Tabs of indicators and resources



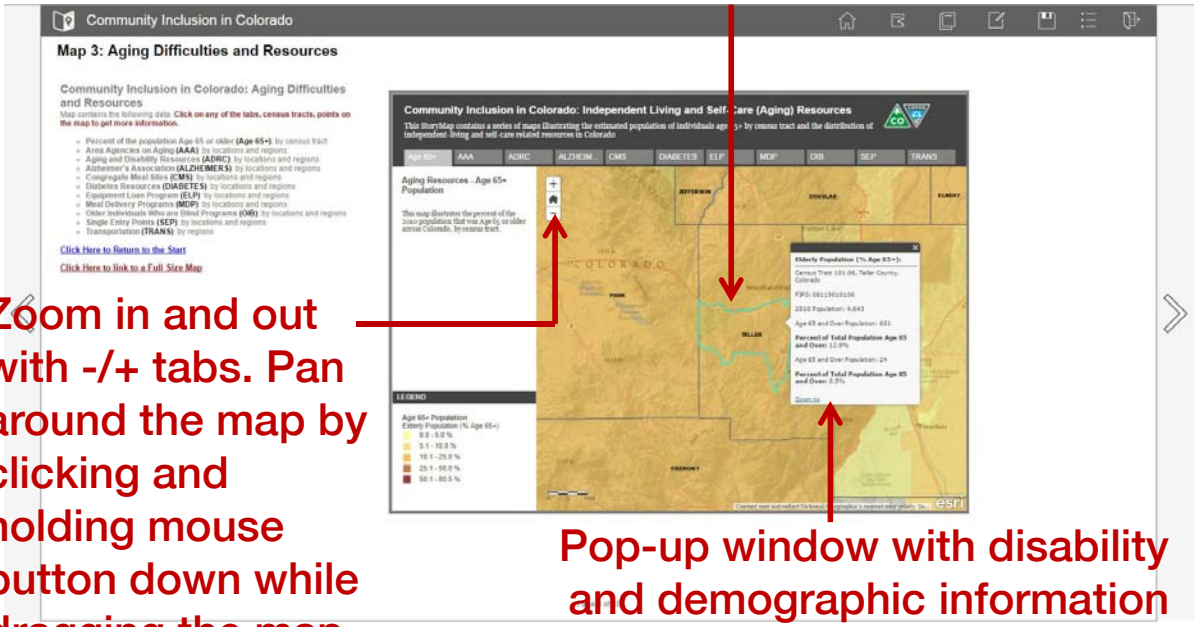
Link to open map in its own window

Panel with indicator/variable description and legend

Map Book

Community Inclusion in Colorado

Click on individual census tracts to get more information through pop-up window



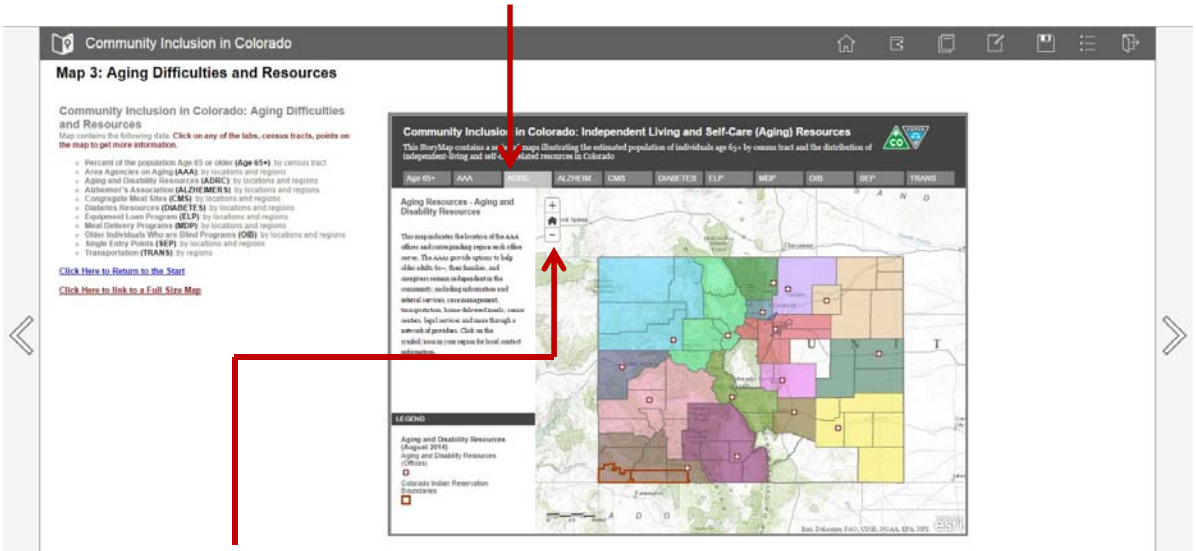
Zoom in and out with -/+ tabs. Pan around the map by clicking and holding mouse button down while dragging the map.

Pop-up window with disability and demographic information

Map Book

Community Inclusion in Colorado

Select between indicator/resource tabs

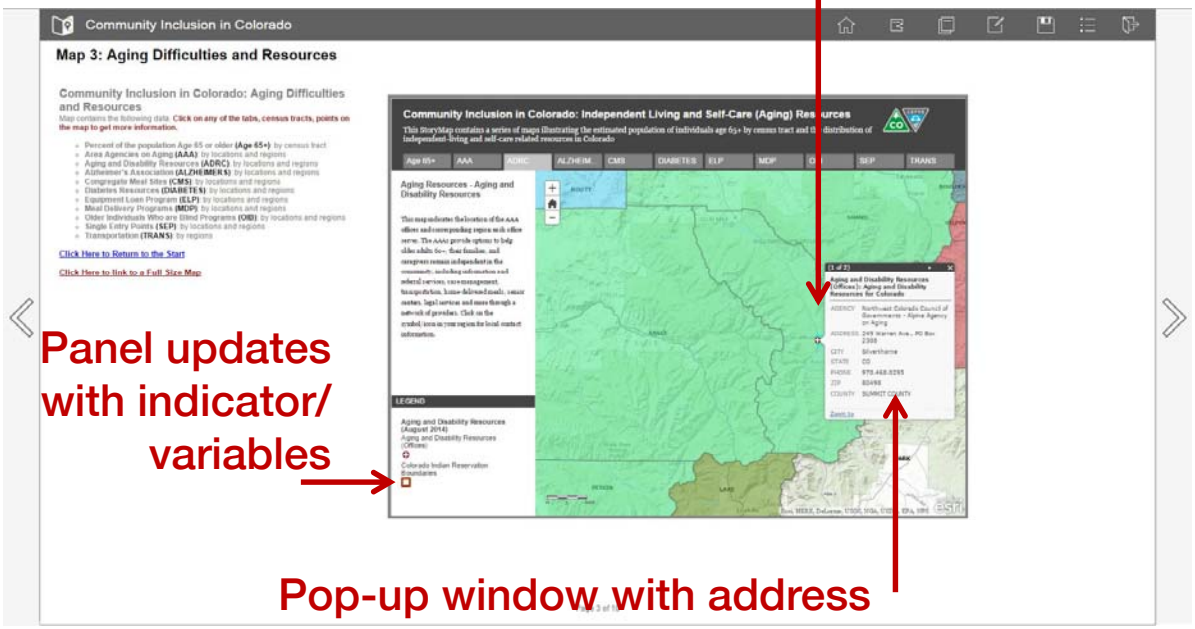


Zoom in and out with -/+ tabs. Pan around the map by clicking and holding the mouse button down while moving around the map.

Map Book

Community Inclusion in Colorado

Click on individual symbols or regions to get more information through pop-up window



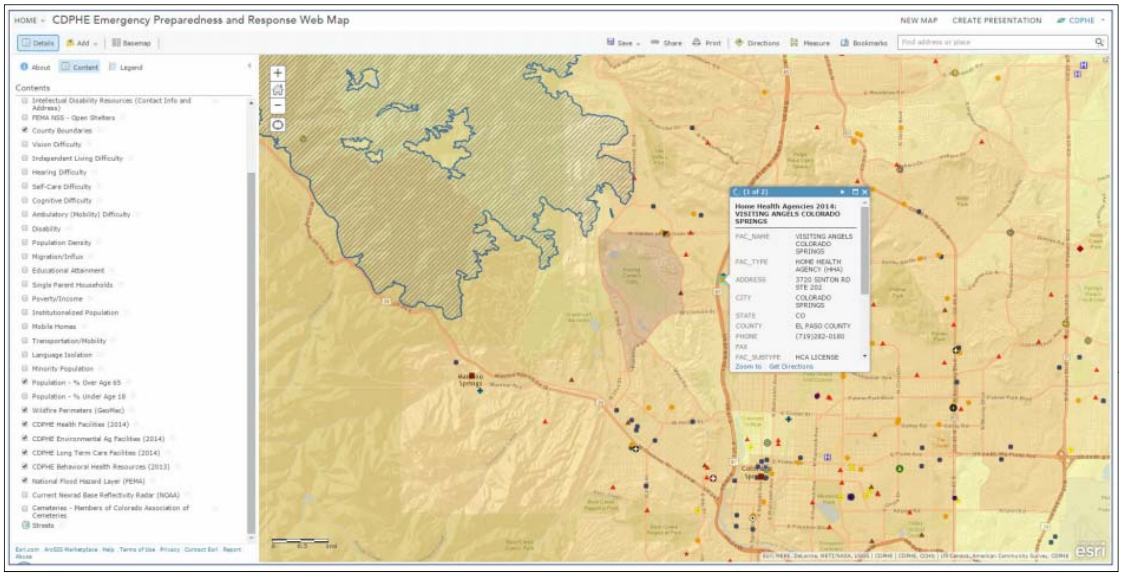
Map Book

Community Inclusion in Colorado

- Joint Risk Assessment Guidance
- PHEP/HPP application
- State Resilience Workgroup
- Other partners

Current Applications

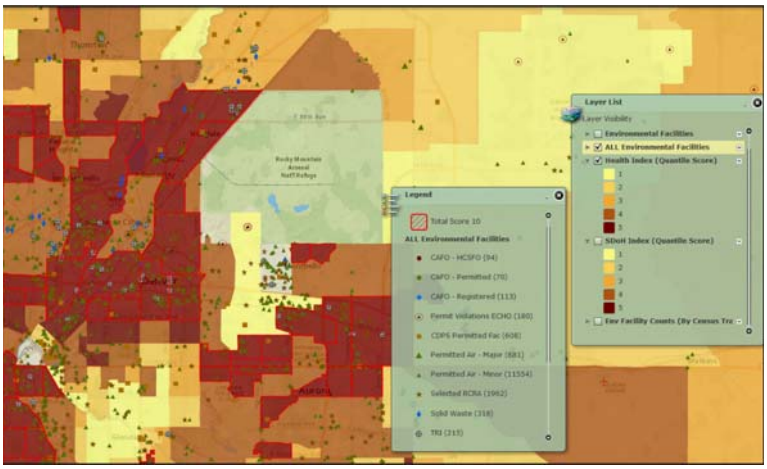
Community Inclusion in Colorado



- Web map in ArcGIS Online connects to all map services and Authoritative map layers (flood and fire boundaries, etc)
- Turn layers on/off during activity or event

Utilizing Data in Emergency Preparedness Activities

Community Inclusion in Colorado

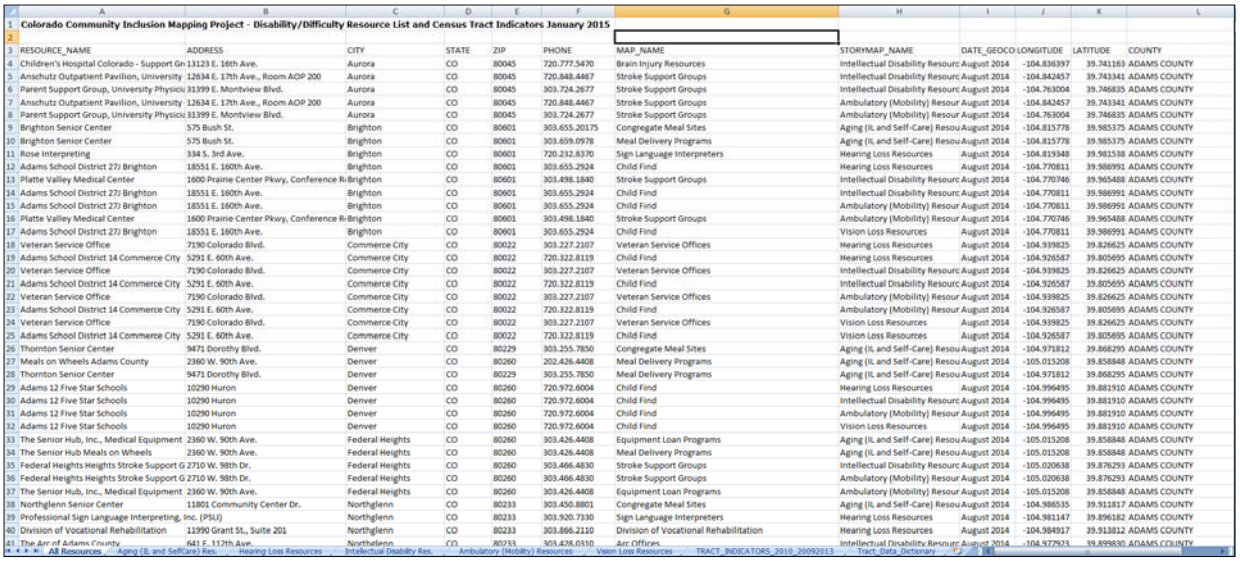


- Community Inclusion Regional Opportunity Index Webmap

- Training
- Examining community changes over time
- Data update
- Additional areas of focus
- PLANNING and PARTNERSHIPS
- Accessibility…

What's Next?

Community Inclusion in Colorado



Colorado Community Inclusion Mapping Project - Disability/Difficulty Resource List and Census Tract Indicators January 2015

RESOURCE_NAME	ADDRESS	CITY	STATE	ZIP	PHONE	MAP_NAME	STORYMAP_NAME	DATE_GEOCO	LONGITUDE	LATITUDE	COUNTY
Children's Hospital Colorado - Support Gr	13123 E. 16th Ave.	Aurora	CO	80045	720.777.5470	Brain Injury Resources	Intellectual Disability Resourc	August 2014	-104.836397	39.741163	ADAMS COUNTY
Anschutz Outpatient Pavilion, University	12634 E. 17th Ave., Room AOP 200	Aurora	CO	80045	720.848.4467	Stroke Support Groups	Intellectual Disability Resourc	August 2014	-104.842457	39.743341	ADAMS COUNTY
Parent Support Group, University Physici	11399 E. Montview Blvd.	Aurora	CO	80045	303.724.2677	Stroke Support Groups	Intellectual Disability Resourc	August 2014	-104.763004	39.746835	ADAMS COUNTY
Anschutz Outpatient Pavilion, University	12634 E. 17th Ave., Room AOP 200	Aurora	CO	80045	720.848.4467	Stroke Support Groups	Ambulatory (Mobility) Resour	August 2014	-104.842457	39.743341	ADAMS COUNTY
Parent Support Group, University Physici	11399 E. Montview Blvd.	Aurora	CO	80045	303.724.2677	Stroke Support Groups	Ambulatory (Mobility) Resour	August 2014	-104.763004	39.746835	ADAMS COUNTY
Brighton Senior Center	575 Bush St.	Brighton	CO	80601	303.655.20175	Congregate Meal Sites	Aging (IL and Self-Care) Resou	August 2014	-104.815778	39.985375	ADAMS COUNTY
Brighton Senior Center	575 Bush St.	Brighton	CO	80601	303.659.0978	Meal Delivery Programs	Aging (IL and Self-Care) Resou	August 2014	-104.815778	39.985375	ADAMS COUNTY
Rose Interpreting	334 S. 3rd Ave.	Brighton	CO	80601	720.232.8170	Sign Language Interpreters	Hearing Loss Resources	August 2014	-104.819348	39.981538	ADAMS COUNTY
Adams School District 27J Brighton	18551 E. 160th Ave.	Brighton	CO	80601	303.655.2924	Child Find	Hearing Loss Resources	August 2014	-104.770811	39.986991	ADAMS COUNTY
Platte Valley Medical Center	1600 Prairie Center Pkwy, Conference R	Brighton	CO	80601	303.498.1840	Stroke Support Groups	Intellectual Disability Resourc	August 2014	-104.770746	39.965488	ADAMS COUNTY
Adams School District 27J Brighton	18551 E. 160th Ave.	Brighton	CO	80601	303.655.2924	Child Find	Intellectual Disability Resourc	August 2014	-104.770811	39.986991	ADAMS COUNTY
Adams School District 27J Brighton	18551 E. 160th Ave.	Brighton	CO	80601	303.655.2924	Child Find	Ambulatory (Mobility) Resour	August 2014	-104.770811	39.986991	ADAMS COUNTY
Platte Valley Medical Center	1600 Prairie Center Pkwy, Conference R	Brighton	CO	80601	303.498.1840	Stroke Support Groups	Ambulatory (Mobility) Resour	August 2014	-104.770746	39.965488	ADAMS COUNTY
Adams School District 27J Brighton	18551 E. 160th Ave.	Brighton	CO	80601	303.655.2924	Child Find	Vision Loss Resources	August 2014	-104.770811	39.986991	ADAMS COUNTY
Veteran Service Office	7190 Colorado Blvd.	Commerce City	CO	80022	303.227.2107	Veteran Service Offices	Hearing Loss Resources	August 2014	-104.939825	39.826625	ADAMS COUNTY
Adams School District 14 Commerce City	5291 E. 60th Ave.	Commerce City	CO	80022	720.322.8119	Child Find	Hearing Loss Resources	August 2014	-104.926587	39.805695	ADAMS COUNTY
Veteran Service Office	7190 Colorado Blvd.	Commerce City	CO	80022	303.227.2107	Veteran Service Offices	Intellectual Disability Resourc	August 2014	-104.939825	39.826625	ADAMS COUNTY
Adams School District 14 Commerce City	5291 E. 60th Ave.	Commerce City	CO	80022	720.322.8119	Child Find	Intellectual Disability Resourc	August 2014	-104.926587	39.805695	ADAMS COUNTY
Veteran Service Office	7190 Colorado Blvd.	Commerce City	CO	80022	303.227.2107	Veteran Service Offices	Ambulatory (Mobility) Resour	August 2014	-104.939825	39.826625	ADAMS COUNTY
Adams School District 14 Commerce City	5291 E. 60th Ave.	Commerce City	CO	80022	720.322.8119	Child Find	Ambulatory (Mobility) Resour	August 2014	-104.926587	39.805695	ADAMS COUNTY
Veteran Service Office	7190 Colorado Blvd.	Commerce City	CO	80022	303.227.2107	Veteran Service Offices	Vision Loss Resources	August 2014	-104.939825	39.826625	ADAMS COUNTY
Adams School District 14 Commerce City	5291 E. 60th Ave.	Commerce City	CO	80022	720.322.8119	Child Find	Vision Loss Resources	August 2014	-104.926587	39.805695	ADAMS COUNTY
Thornton Senior Center	9471 Dorothy Blvd.	Denver	CO	80229	303.255.7850	Congregate Meal Sites	Aging (IL and Self-Care) Resou	August 2014	-104.971812	39.868295	ADAMS COUNTY
Meals on Wheels Adams County	2360 W. 90th Ave.	Denver	CO	80260	202.426.4408	Meal Delivery Programs	Aging (IL and Self-Care) Resou	August 2014	-105.015208	39.858848	ADAMS COUNTY
Thornton Senior Center	9471 Dorothy Blvd.	Denver	CO	80229	303.255.7850	Meal Delivery Programs	Aging (IL and Self-Care) Resou	August 2014	-104.971812	39.868295	ADAMS COUNTY
Adams 12 Five Star Schools	10290 Huron	Denver	CO	80260	720.972.6004	Child Find	Hearing Loss Resources	August 2014	-104.996495	39.881910	ADAMS COUNTY
Adams 12 Five Star Schools	10290 Huron	Denver	CO	80260	720.972.6004	Child Find	Intellectual Disability Resourc	August 2014	-104.996495	39.881910	ADAMS COUNTY
Adams 12 Five Star Schools	10290 Huron	Denver	CO	80260	720.972.6004	Child Find	Ambulatory (Mobility) Resour	August 2014	-104.996495	39.881910	ADAMS COUNTY
Adams 12 Five Star Schools	10290 Huron	Denver	CO	80260	720.972.6004	Child Find	Vision Loss Resources	August 2014	-104.996495	39.881910	ADAMS COUNTY
The Senior Hub, Inc., Medical Equipment	2360 W. 90th Ave.	Federal Heights	CO	80260	303.426.4408	Equipment Loan Programs	Aging (IL and Self-Care) Resou	August 2014	-105.015208	39.858848	ADAMS COUNTY
The Senior Hub Meals on Wheels	2360 W. 90th Ave.	Federal Heights	CO	80260	303.426.4408	Meal Delivery Programs	Aging (IL and Self-Care) Resou	August 2014	-105.015208	39.858848	ADAMS COUNTY
Federal Heights Heights Stroke Support G	2710 W. 98th Dr.	Federal Heights	CO	80260	303.466.4830	Stroke Support Groups	Intellectual Disability Resourc	August 2014	-105.020638	39.876293	ADAMS COUNTY
Federal Heights Heights Stroke Support G	2710 W. 98th Dr.	Federal Heights	CO	80260	303.466.4830	Stroke Support Groups	Ambulatory (Mobility) Resour	August 2014	-105.020638	39.876293	ADAMS COUNTY
The Senior Hub, Inc., Medical Equipment	2360 W. 90th Ave.	Federal Heights	CO	80260	303.426.4408	Equipment Loan Programs	Ambulatory (Mobility) Resour	August 2014	-105.015208	39.858848	ADAMS COUNTY
Northglenn Senior Center	11801 Community Center Dr.	Northglenn	CO	80233	303.450.8801	Congregate Meal Sites	Aging (IL and Self-Care) Resou	August 2014	-104.986535	39.911817	ADAMS COUNTY
Professional Sign Language Interpreting, Inc. (PSLI)		Northglenn	CO	80233	303.920.7330	Sign Language Interpreters	Hearing Loss Resources	August 2014	-104.981147	39.896182	ADAMS COUNTY
Division of Vocational Rehabilitation	11990 Grant St., Suite 201	Northglenn	CO	80233	303.866.2110	Division of Vocational Rehabilitation	Hearing Loss Resources	August 2014	-104.984917	39.913812	ADAMS COUNTY
The Arc of Adams County	641 E. 112th Ave.	Northglenn	CO	80233	303.428.0310	Arc Offices	Intellectual Disability Resourc	August 2014	-104.977923	39.899830	ADAMS COUNTY

All Resources | Aging (IL and Self-Care) Res. | Hearing Loss Resources | Intellectual Disability Res. | Ambulatory (Mobility) Resources | Vision Loss Resources | TRACT_INDICATORS_2010_20092013 | Tract_Data_Dictionary

- Develop data tables for download of the data found in each webmap

Making Visual Data Accessible

Community Inclusion in Colorado

Questions or suggestions?

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March 2015

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