CME Learner Information

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Designation Statement

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CME Learner Information - *Continued*

Disclosure Summary

The following planning committee and those in a position to control the content of this activity have disclosed no relevant financial relationships:

Andrea Janota, MPH
Joan Duwve, MD, MPH
Carol Kacius, PhD

A determination has been made that the content of this CME activity is not related to the products or services of an ACCME-defined commercial interest. As a result, there are no relevant financial relationships to identify and no conflicts of interest to identify or resolve, per Standard 2.1 of the ACCME guidelines.

CME credit will be awarded and certificates emailed within 3 weeks. The course evaluation will be sent electronically via email. For questions and concerns, please contact IU School of Medicine, Division of Continuing Medical Education at 317-274-0104 or cme@iu.edu

INsights and INnovations Webinar
August 25, 2017

The American Community Survey (ACS) and Data on Disability

Lewis E. Kraus, MPH, MCP

Center on Disability at the Public Health Institute

Oakland CA

Center on Disability at The Public Health Institute

Disability Statistics & Demographics
Rehabilitation Research & Training Center

What the American Community Survey (ACS) Can Offer

- Annual survey of sample of US
- Asks about:
  - Age, sex, race, family and relationships, income and benefits, health insurance, education, veteran's status, disabilities, where you work and how you get there, where you live and how much you pay for some essentials

Attributes of 1 and 5 year estimates

	1 yr estimates	5 yr estimates
Populations	65,000+	Any
Sample Size	Smallest	Largest
Reliability of data	Least reliable	Most reliable
How current?	Most current	Least current

https://www.census.gov/acs/www/guidance_for_data_users/estimates/

Attributes of 1 and 5 year estimates

	1 yr estimates	5 yr estimates
Best used when	Currency is more important than precision Analyzing large populations	Precision is more important than currency Analyzing very small populations Examining tracts and other smaller geographies (1- yr. estimates are not available)

https://www.census.gov/acs/www/guidance_for_data_users/estimates

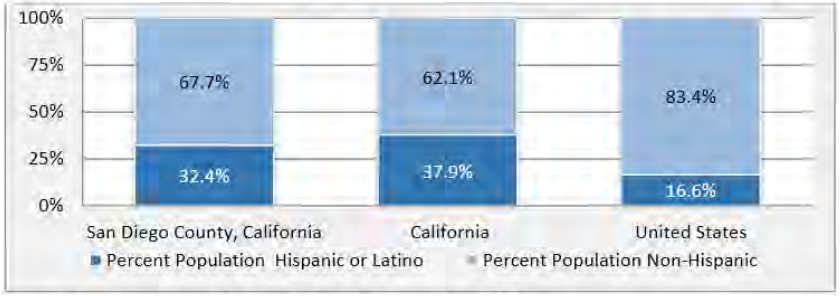
Health Planning Uses of ACS data

- **Example: San Diego Community Health Needs Assessment**
  - **Demographics – population, race/ethnicity, age groups**
  - **Socioeconomic issues – poverty, uninsured, education, limited English proficiency, linguistically isolated population**

Other uses of ACS data

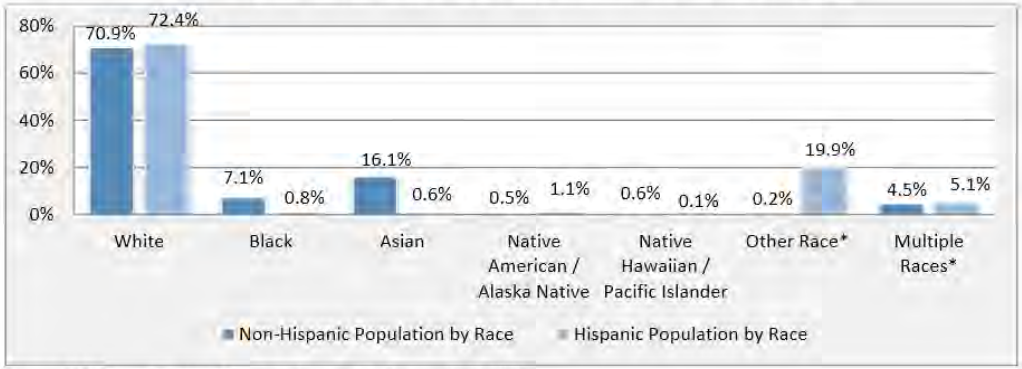
Example: San Diego Community Health Needs Assessment

FIGURE 17. PERCENTAGE OF SAN DIEGO POPULATION BY ETHNICITY ALONE, 2009-2013



Source: U.S. Census Bureau, American Community Survey. 2009-2013.

FIGURE 18. PERCENTAGE OF SAN DIEGO POPULATION BY RACE, 2009-2013



Source: U.S. Census Bureau, American Community Survey. 2009-2013.

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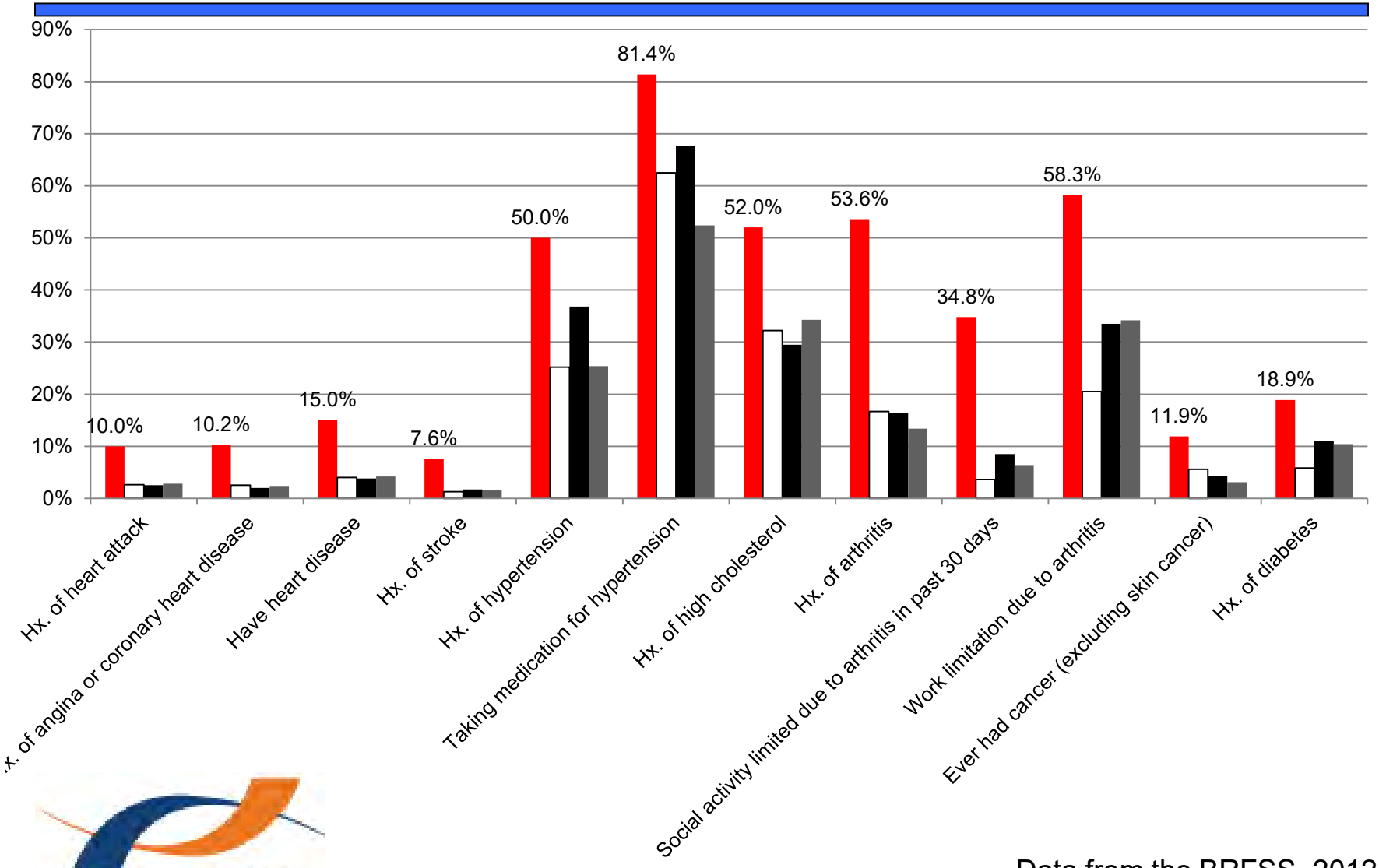
Who has this disparity?



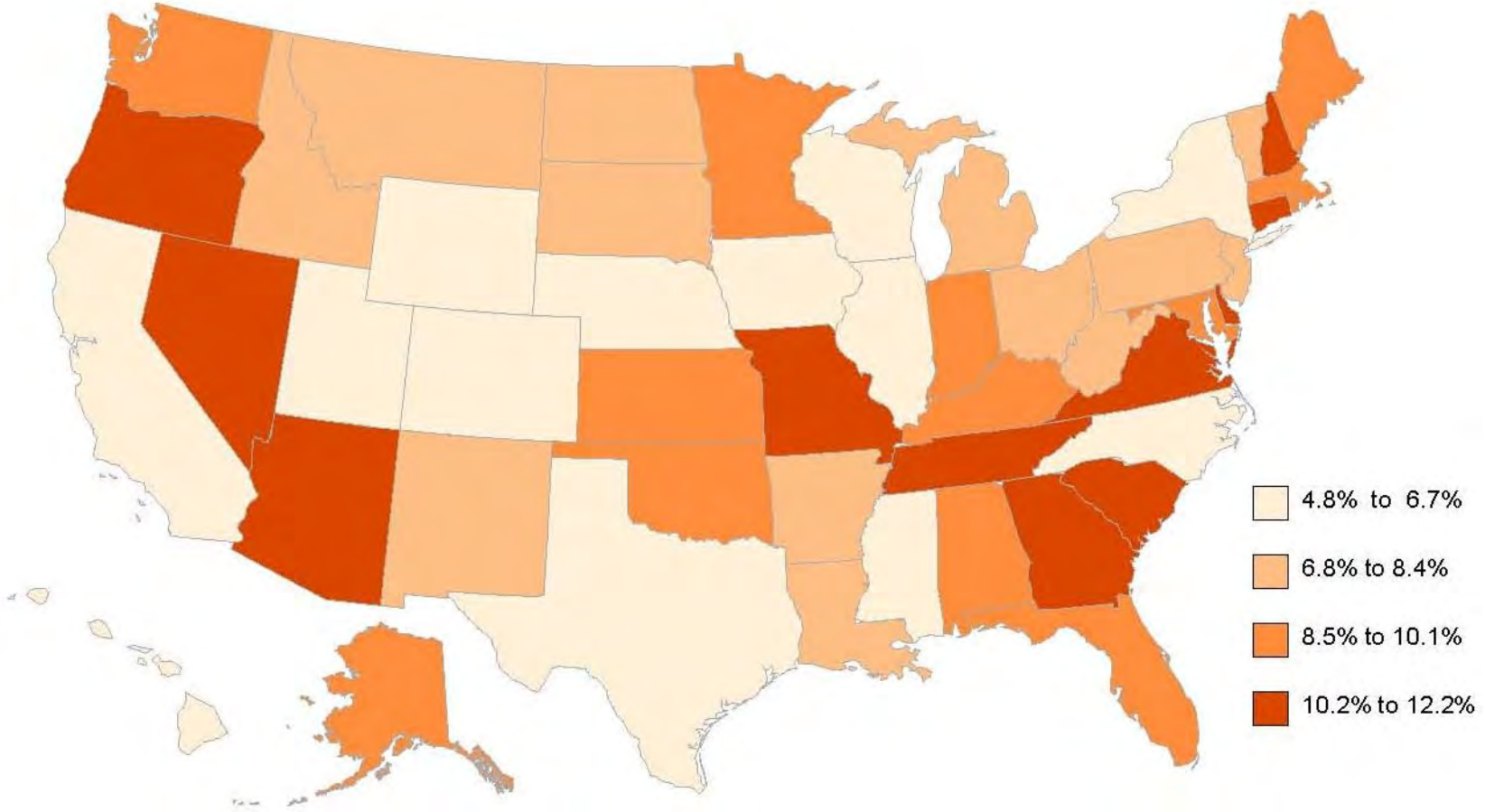
Center on Disability
at The Public Health Institute

Data from the BRFSS, 2012

Smoking Percentages Gap Among People with and without Disabilities, 2009-2015

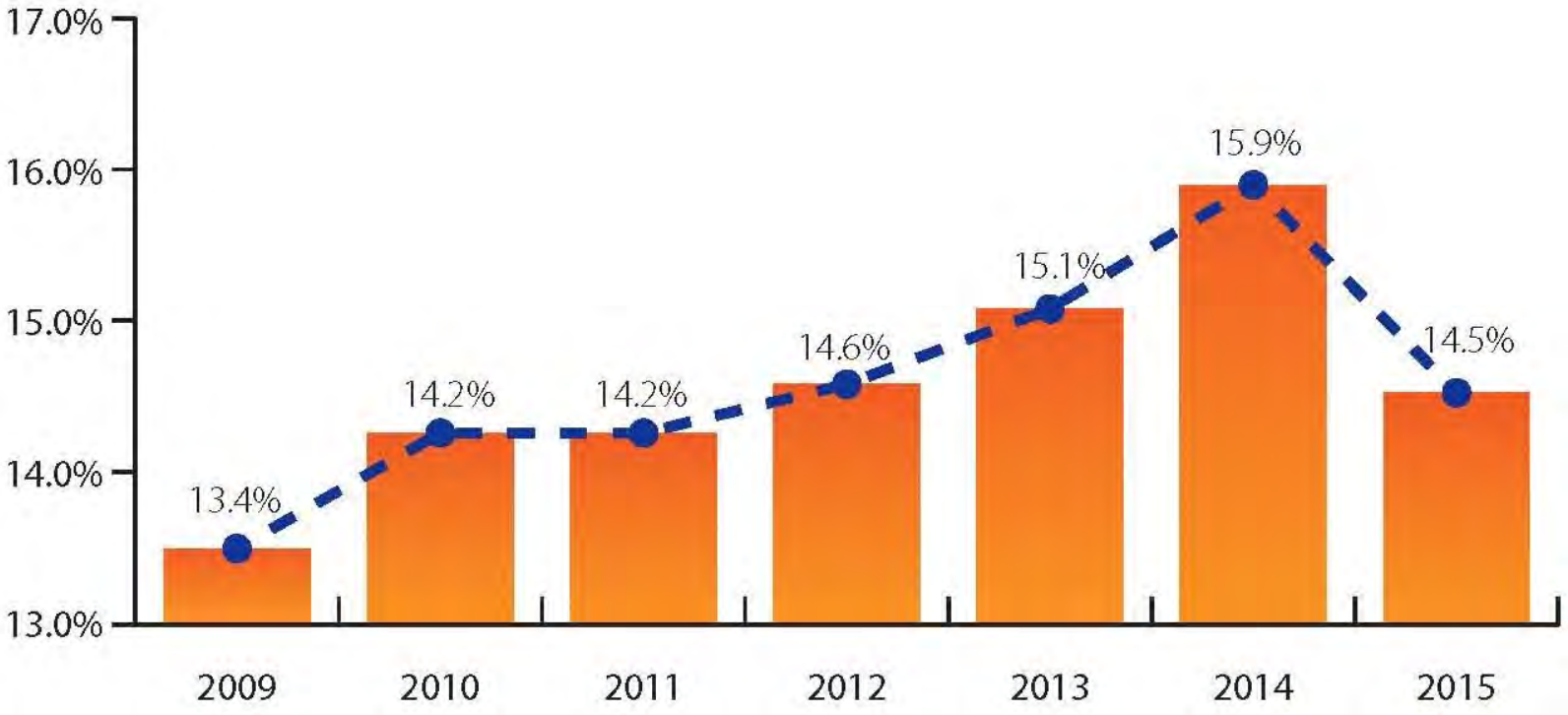
Data Source: Authors' calculations using data from the 2009-2015 Behavioral Risk Factor Surveillance Survey BRFSS
Kraus, Lewis. (2017). 2016 Disability Statistics Annual Report. Durham, NH: University of New Hampshire.
http://disabilitycompendium.org/sites/default/files/user-uploads/2016AnnualReportSlideDeck

Smoking Percentages Gap Among People with and without Disabilities By State, 2015



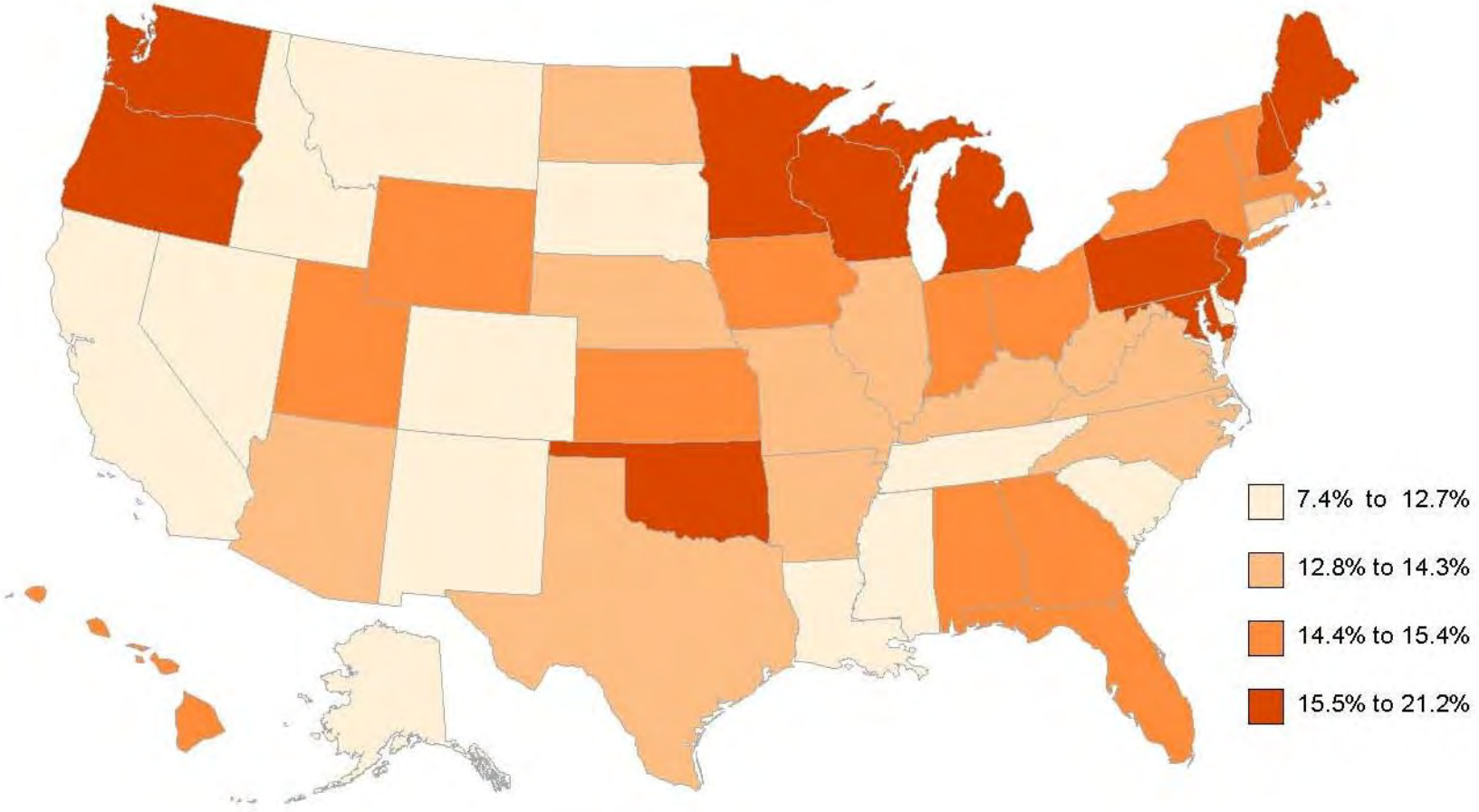
Data Source: Authors' calculations using data from the 2015 Behavioral Risk Factor Surveillance Survey BRFSS
Kraus, Lewis. (2017). 2016 Disability Statistics Annual Report. Durham, NH: University of New Hampshire.
http://disabilitycompendium.org/sites/default/files/user-uploads/2016AnnualReportSlideDeck

Obesity Percentages Gap Among People with and without Disabilities, 2009-2015



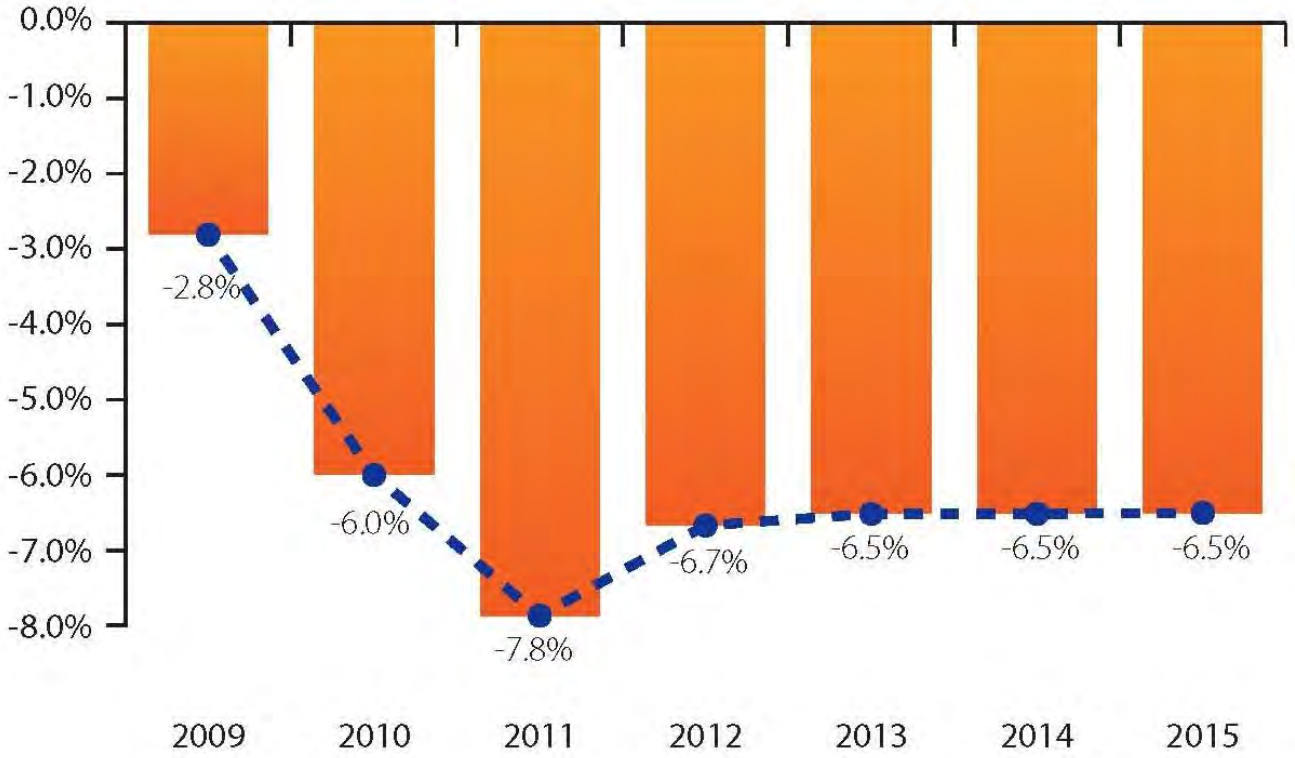
Data Source: Authors' calculations using data from the 2009-2015 Behavioral Risk Factor Surveillance Survey BRFSS
Kraus, Lewis. (2017). 2016 Disability Statistics Annual Report. Durham, NH: University of New Hampshire.
http://disabilitycompendium.org/sites/default/files/user-uploads/2016AnnualReportSlideDeck

Obesity Percentages Gap Among People with and without Disabilities, by State, 2015



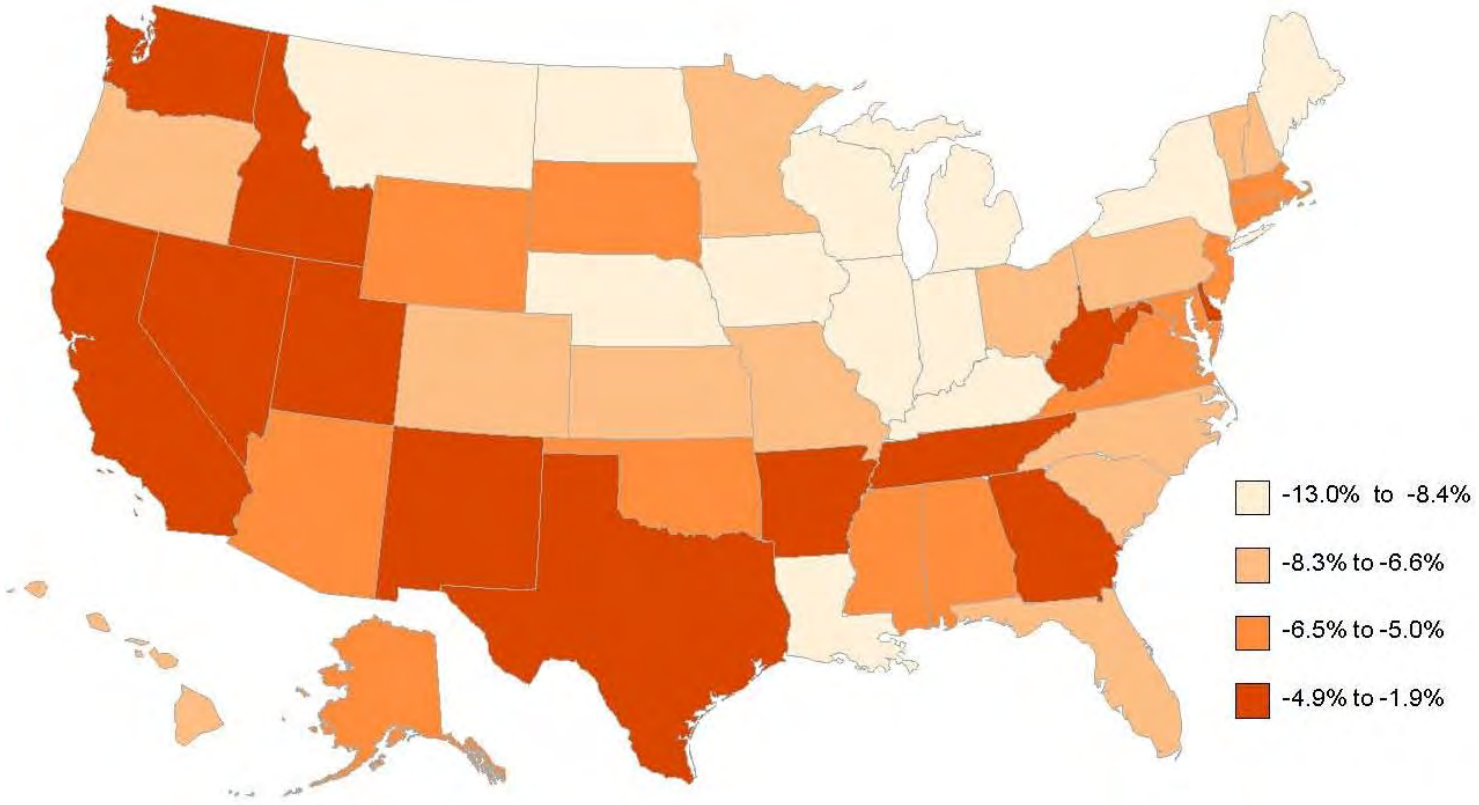
Data Source: Authors' calculations using data from the 2015 Behavioral Risk Factor Surveillance Survey BRFSS
Kraus, Lewis. (2017). 2016 Disability Statistics Annual Report. Durham, NH: University of New Hampshire.
http://disabilitycompendium.org/sites/default/files/user-uploads/2016AnnualReportSlideDeck

Binge Drinking Percentages Gap Among People with and without Disabilities, 2009-2015



Data Source: Authors' calculations using data from the 2009-2015 Behavioral Risk Factor Surveillance Survey BRFSS
Kraus, Lewis. (2017). 2016 Disability Statistics Annual Report. Durham, NH: University of New Hampshire.
http://disabilitycompendium.org/sites/default/files/user-uploads/2016AnnualReportSlideDeck

Binge Drinking Percentage Gap Among People with and without Disabilities, by State, 2015



Data Source: Authors' calculations using data from the 2015 Behavioral Risk Factor Surveillance Survey BRFSS
Kraus, Lewis. (2017). 2016 Disability Statistics Annual Report. Durham, NH: University of New Hampshire.
http://disabilitycompendium.org/sites/default/files/user-uploads/2016AnnualReportSlideDeck

6 Areas to Improve Health for People with Disabilities

- Improved access to health care and human services
- Increased data for decision-making
- Strengthened health and human services workforce capacity
- Explicit inclusion in public health programs
- Increased preparation for emergencies

Source: Krahn et al. Persons with Disabilities as an Unrecognized Health Disparity Population. *AJPH* 2015; 105 (S2): S198-206.

Use for Disability Data

- **State, county, and local population and trends**
- **Population characteristics**
  - for strategic planning for public health programs (i.e., social determinants of health)
  - for outreach planning
  - for planning for future services (health equity)

Use for Disability Data

- **Needs Assessment**
  - Estimates of individuals with disability
  - Estimates of individuals with disability who are unserved, underserved
- **Other needs**
  - Local estimates of individuals with disability

ACS Disability definition

- Is this person deaf or does he/she have serious difficulty hearing?
- Is this person blind or does he/she have serious difficulty seeing even when wearing glasses?
- Because of a physical, mental, or emotional condition, does this person have serious difficulty concentrating, remembering, or making decisions?

ACS Disability definition

- Does this person have serious difficulty walking or climbing stairs?
- Does this person have difficulty dressing or bathing?
- Because of a physical, mental, or emotional condition, does this person have difficulty doing errands alone such as visiting a doctor's office or shopping?

What the ACS Can Offer

- 1 and 5 year estimates
  - 1 yr – for pops 65,000 and over
  - 5 yr – for all populations
- Disability questions consistent for more than 5 years, so estimates of disability possible at local level (counties, cities, zip codes, etc.)

Disability Statistics Annual Report

https://disabilitycompendium.org/

Choose the Download the 2016 Annual Report button

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Disability Statistics Annual Report

Addresses

- How many people with disabilities live in the United States?
- What is the percentage of people with disabilities in different age groups?
- What is the percentage of people with disabilities for different types of disability?
- To what extent are people with disabilities employed?
- What are the earnings for people with and without disabilities?
- What is the poverty percentage for people with and without disabilities?
- Is disability status associated with percentages of smoking, obesity, and binge drinking?

Highlights state and trend data from national sources

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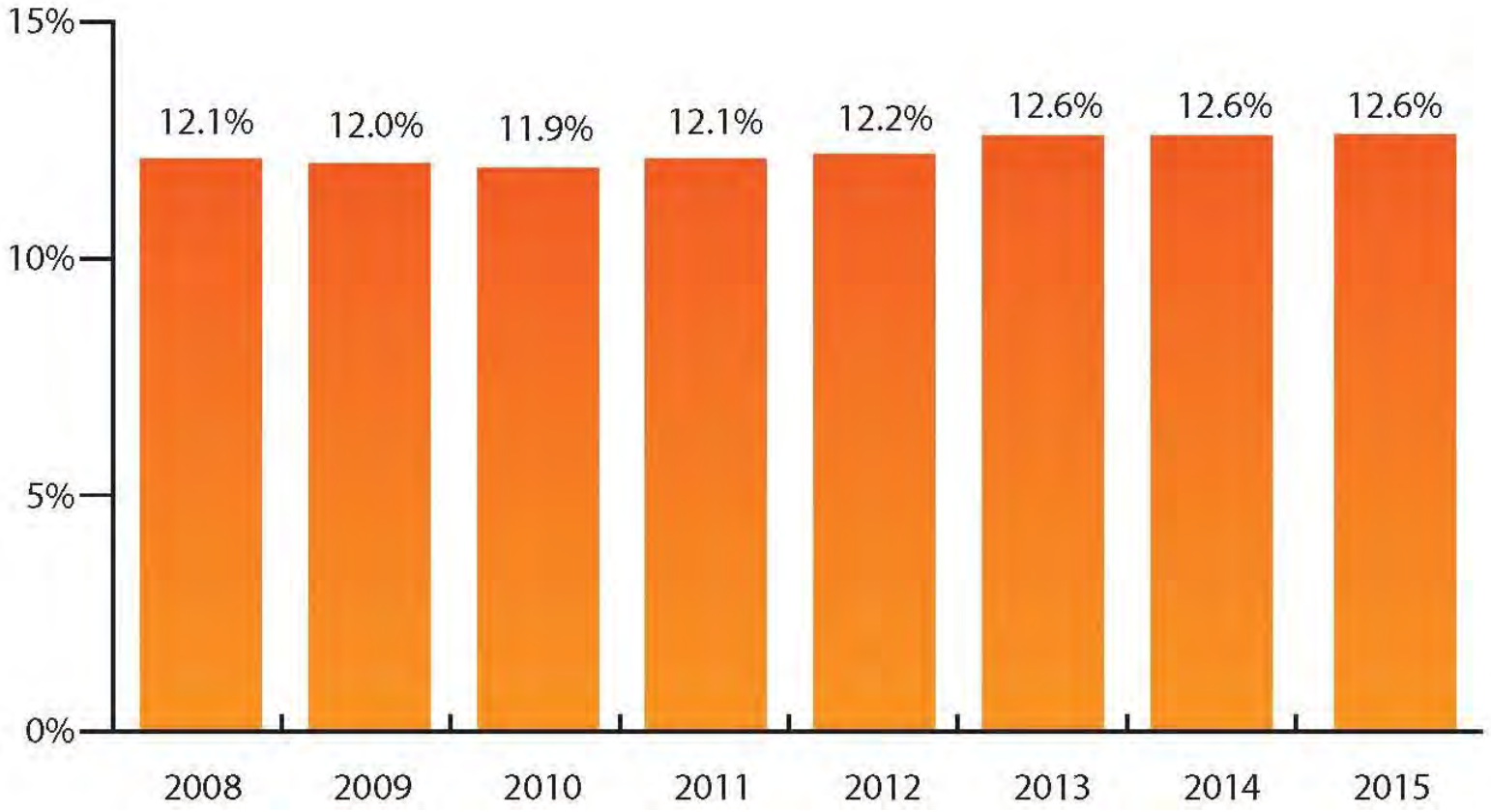
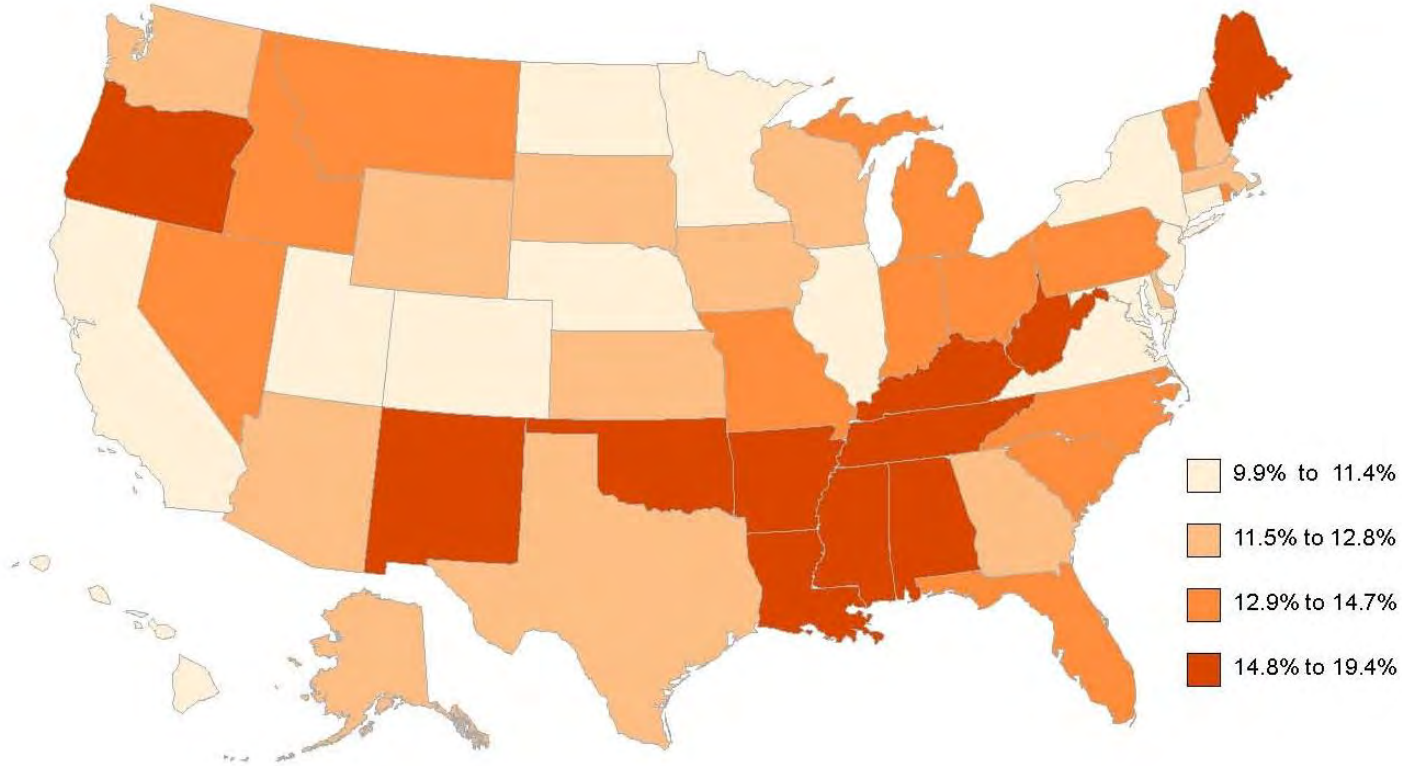
Percentage of People in the US with Disabilities, 2008-2015



Data Source: 2008-2015 American Community Survey, American FactFinder, Table B1810

Kraus, Lewis. (2017). 2016 Disability Statistics Annual Report. Durham, NH: University of New Hampshire. http://disabilitycompendium.org/sites/default/files/user-uploads/2016AnnualReportSlideDeck

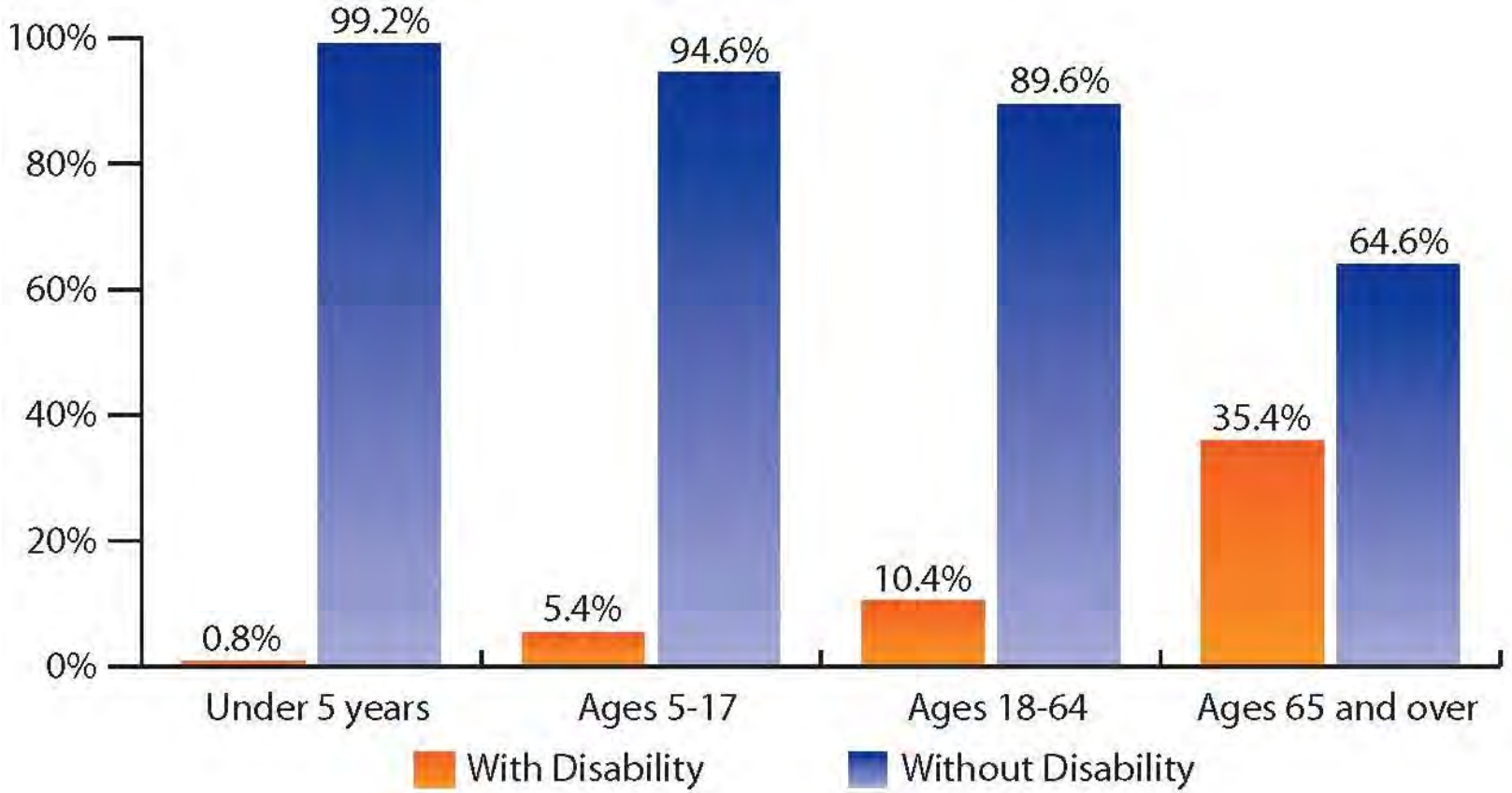
People with Disabilities Living in the Community as a Percentage of the US Population, by State, 2015



Data Source: 2015 American Community Survey, American FactFinder, Table B1810

Kraus, Lewis. (2017). 2016 Disability Statistics Annual Report. Durham, NH: University of New Hampshire. http://disabilitycompendium.org/sites/default/files/user-uploads/2016AnnualReportSlideDeck

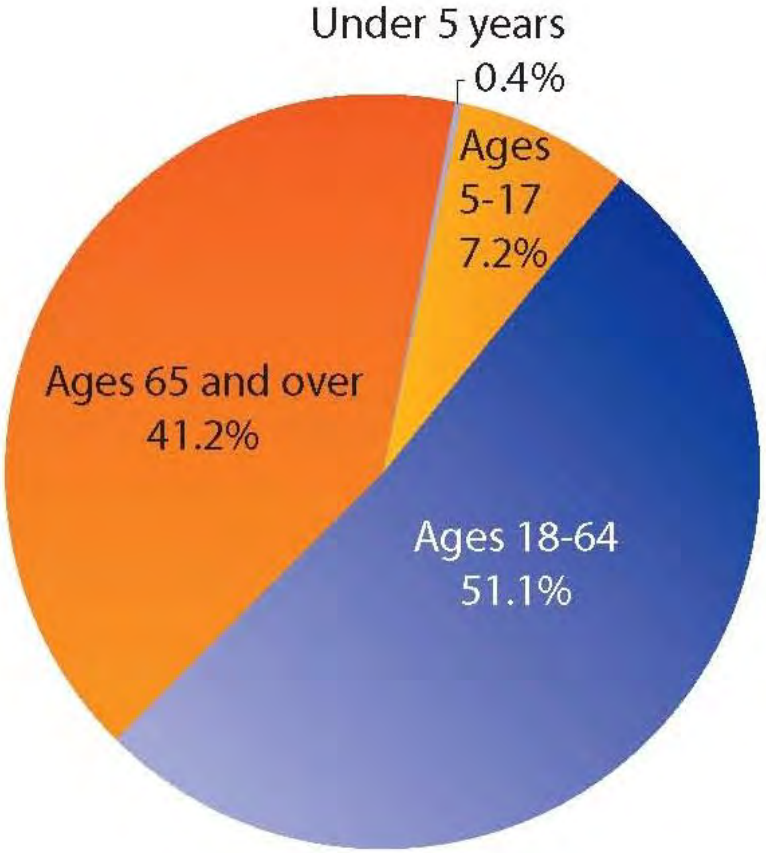
Age Distribution of Disability in the US Population, 2015



Data Source: 2015 American Community Survey, FactFinder Table B1810

Kraus, Lewis. (2017). 2016 Disability Statistics Annual Report. Durham, NH: University of New Hampshire.
http://disabilitycompendium.org/sites/default/files/user-uploads/2016AnnualReportSlideDeck

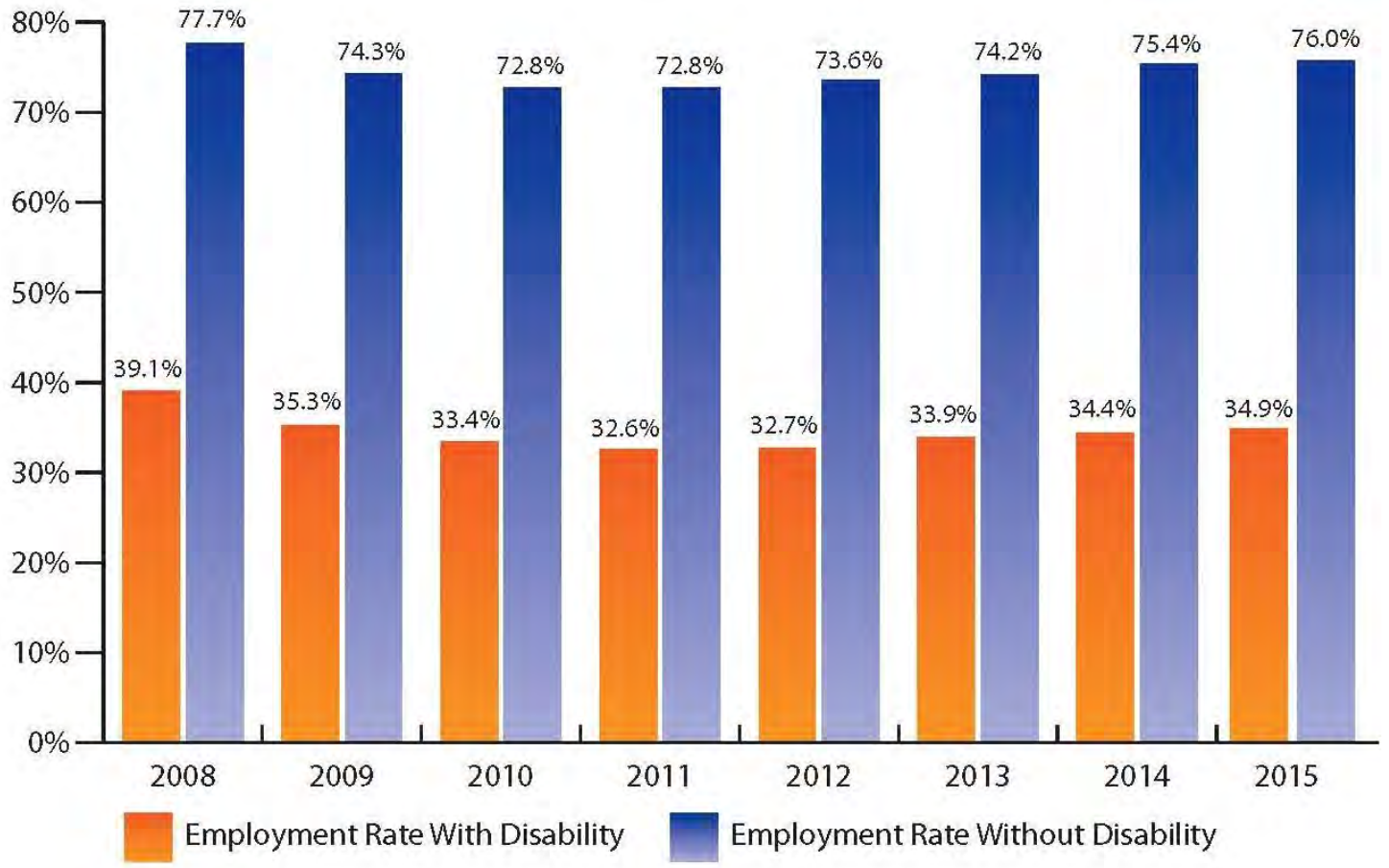
Age Distribution in the US Population of People with Disabilities, ACS, 2015



Data Source: 2015 American Community Survey, FactFinder Table B1810

Kraus, Lewis. (2017). 2016 Disability Statistics Annual Report. Durham, NH: University of New Hampshire.
http://disabilitycompendium.org/sites/default/files/user-uploads/2016AnnualReportSlideDeck

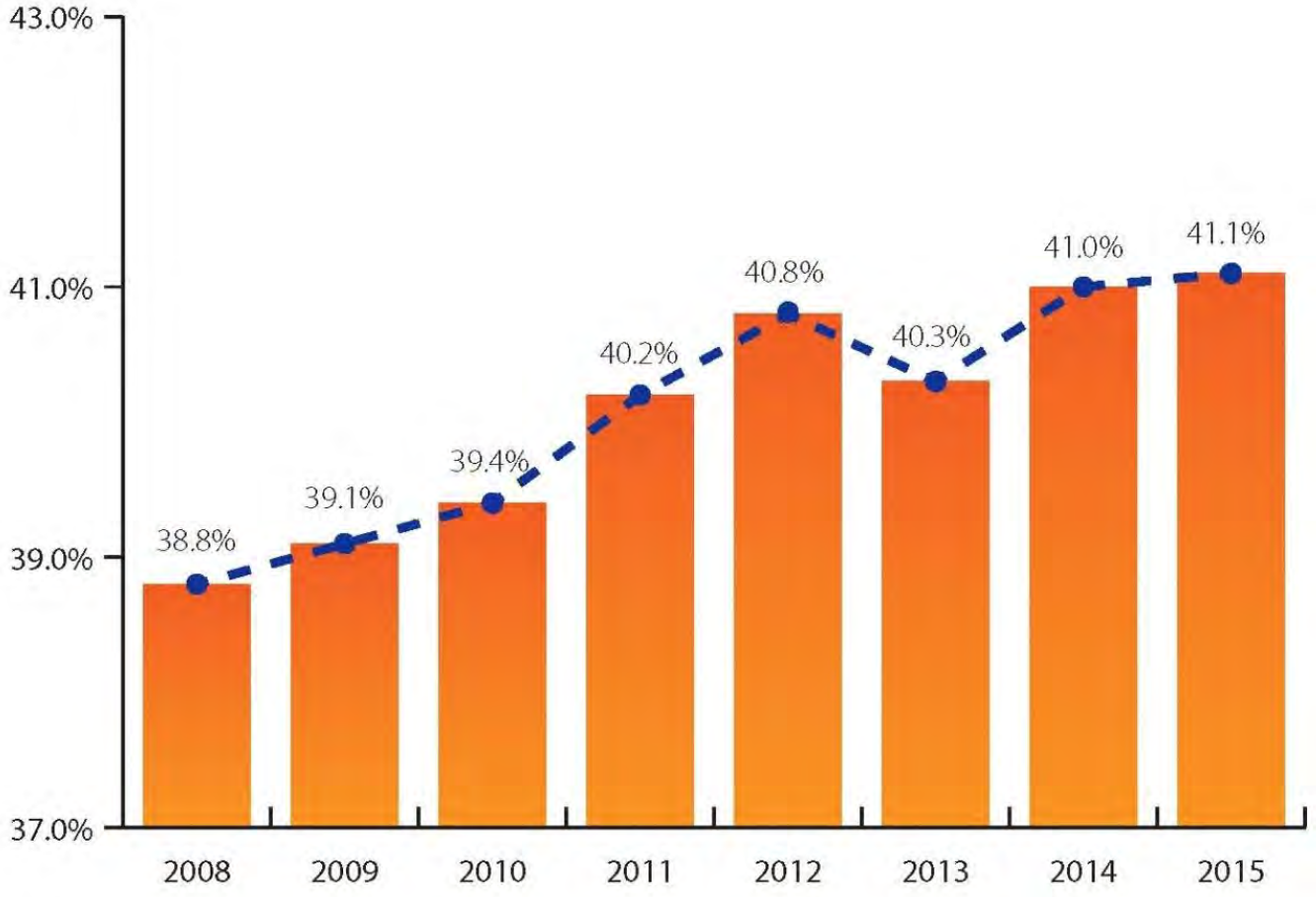
Employment Percentage, with and without Disability, 2008-2015



Data Source: 2008- 2015 American Community Survey, American FactFinder, Table B18120

Kraus, Lewis. (2017). 2016 Disability Statistics Annual Report. Durham, NH: University of New Hampshire. http://disabilitycompendium.org/sites/default/files/user-uploads/2016AnnualReportSlideDeck

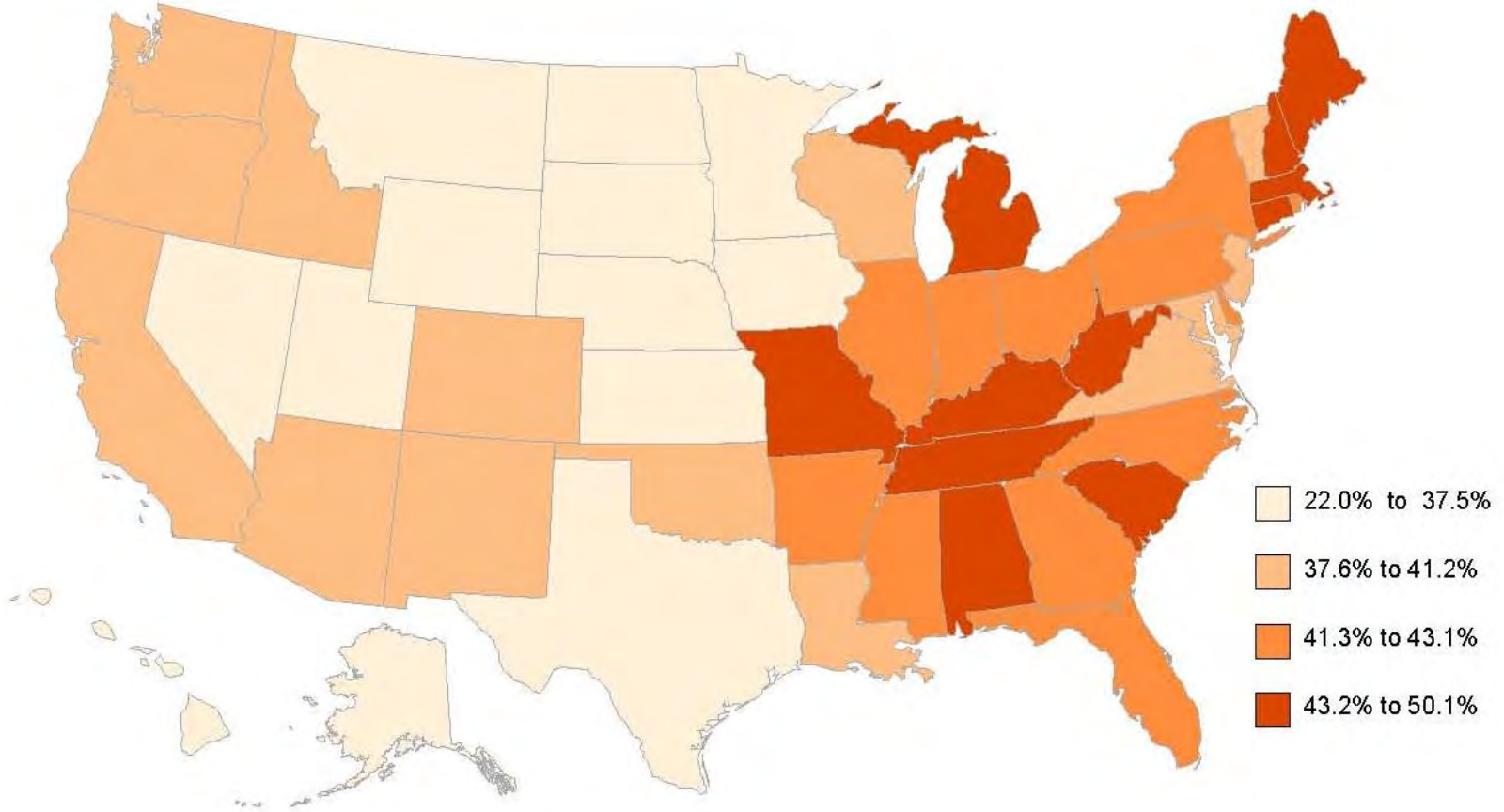
Employment Gap Among those with and without Disability, 2008-2015



Data Source: 2008- 2015 American Community Survey, American FactFinder, Table B18120

Kraus, Lewis. (2017). 2016 Disability Statistics Annual Report. Durham, NH: University of New Hampshire. http://disabilitycompendium.org/sites/default/files/user-uploads/2016AnnualReportSlideDeck

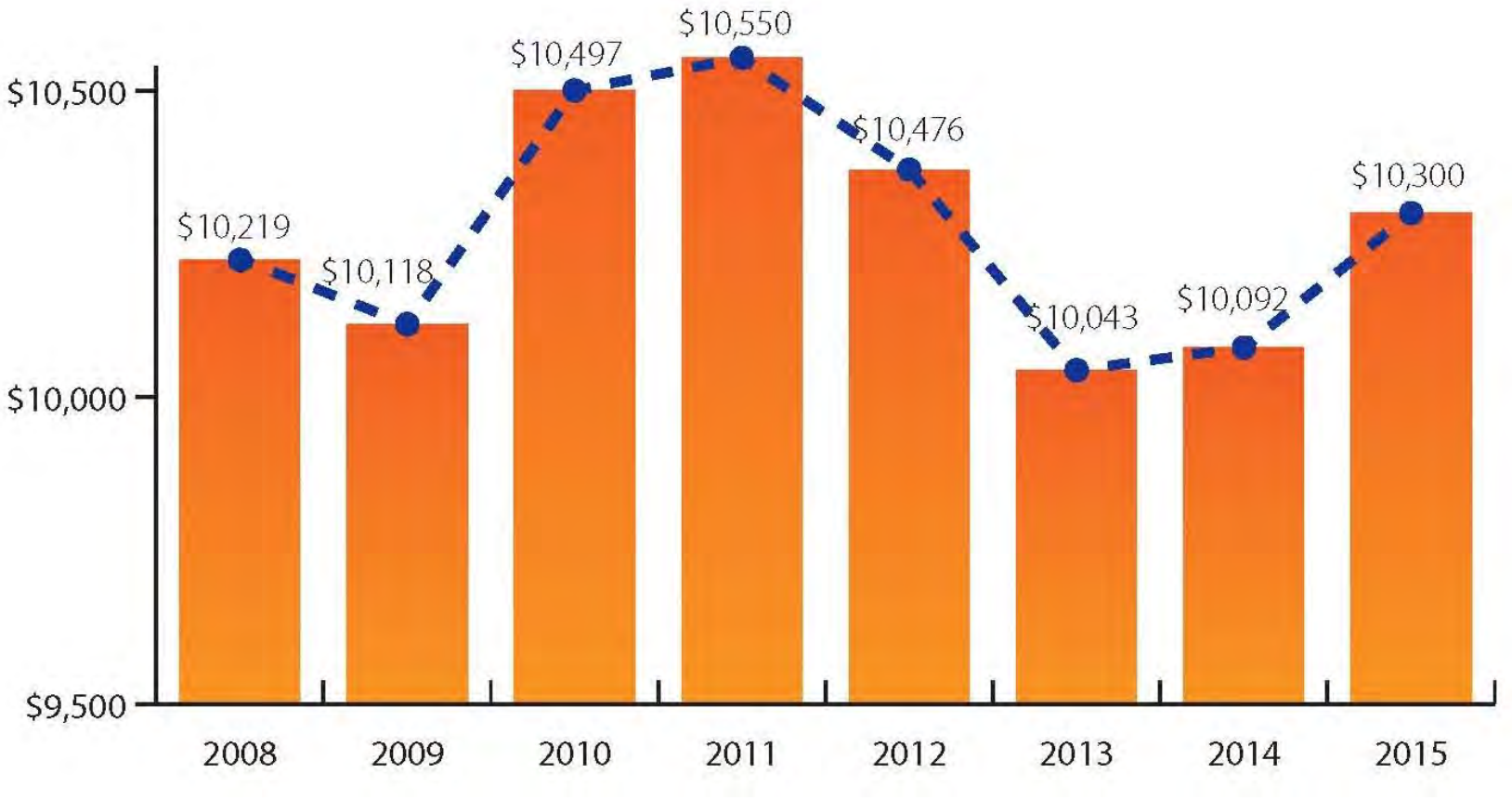
Gap of Percent Employed Among People with and without Disabilities, by State, 2015



Data Source: 2015 American Community Survey, American FactFinder, Table B18120

Kraus, Lewis. (2017). 2016 Disability Statistics Annual Report. Durham, NH: University of New Hampshire.
http://disabilitycompendium.org/sites/default/files/user-uploads/2016AnnualReportSlideDeck

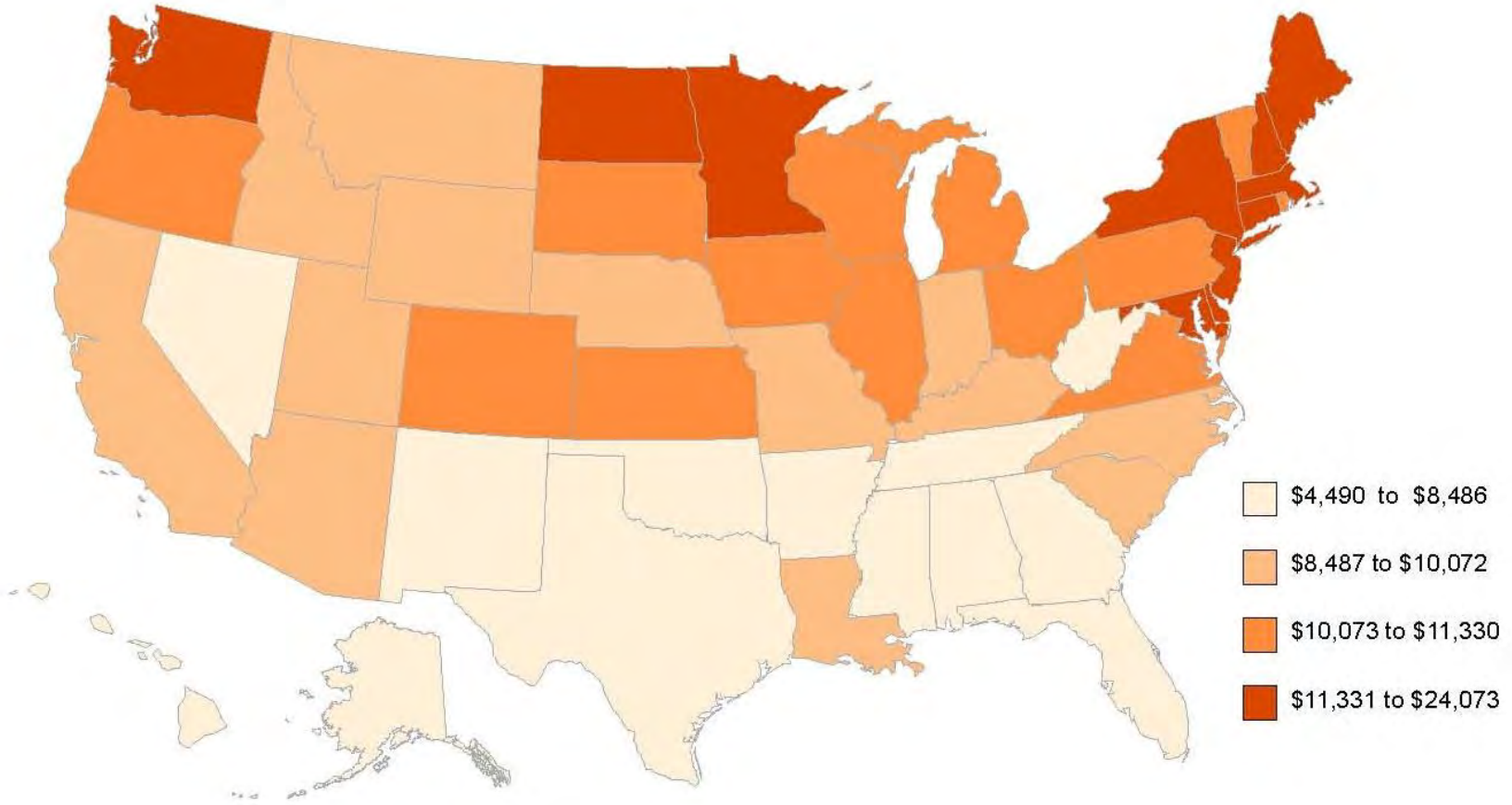
Median Earnings Gap Among People with and without Disabilities, by State, 2008-2015



Data Source: 2008- 2015 American Community Survey, American FactFinder, Table B18140

Kraus, Lewis. (2017). 2016 Disability Statistics Annual Report. Durham, NH: University of New Hampshire. http://disabilitycompendium.org/sites/default/files/user-uploads/2016AnnualReportSlideDeck

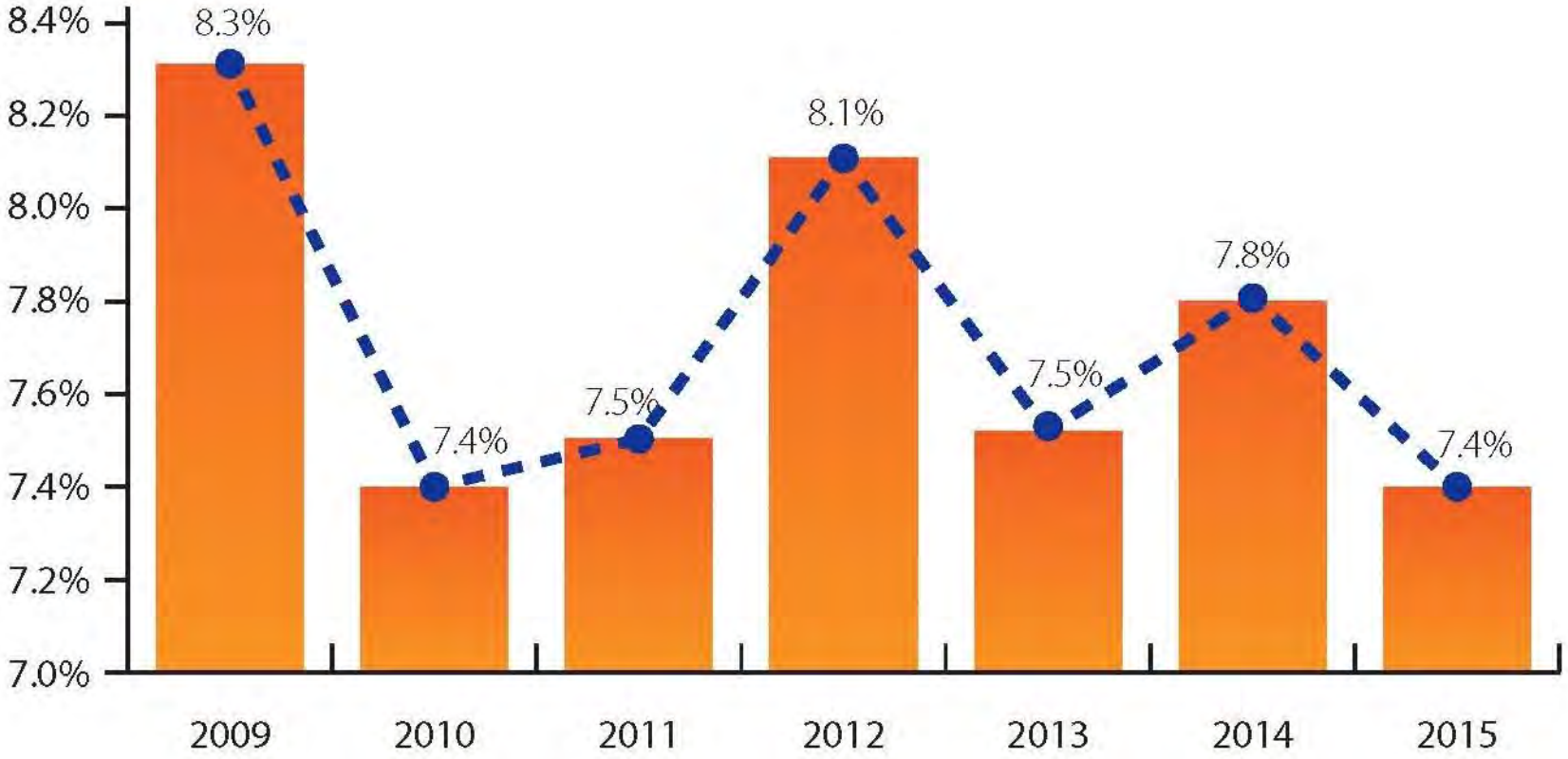
Median Earnings Gap of People 16 Years and Over in the Past 12 Months, by State, 2015



Data Source: 2015 American Community Survey, American FactFinder, Table B18140

Kraus, Lewis. (2017). 2016 Disability Statistics Annual Report. Durham, NH: University of New Hampshire.
http://disabilitycompendium.org/sites/default/files/user-uploads/2016AnnualReportSlideDeck

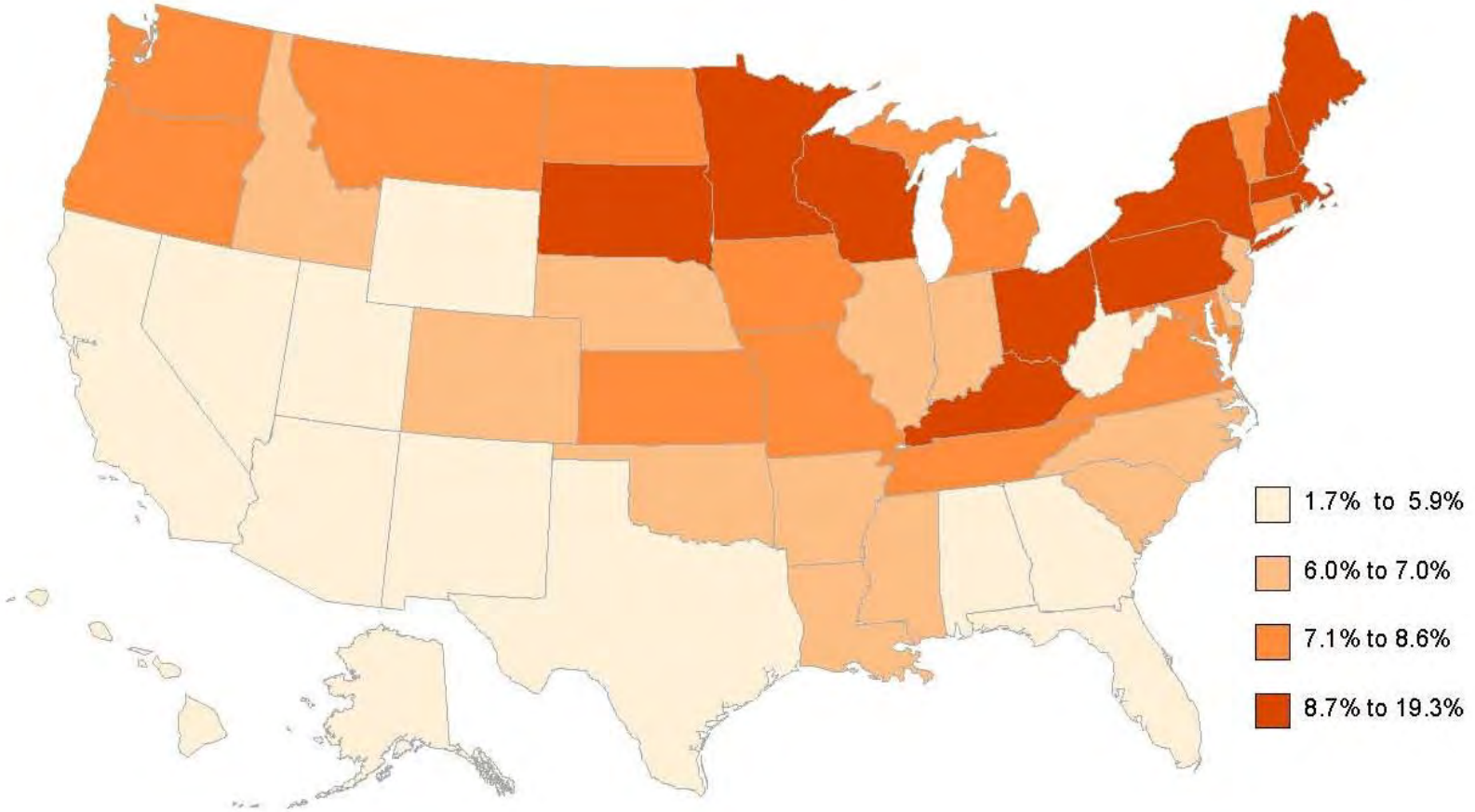
Poverty Percentage Gap Among People with and without Disabilities, 2009-2015



Data Source: 2009- 2015 American Community Survey, American FactFinder, Table B18130

Kraus, Lewis. (2017). 2016 Disability Statistics Annual Report. Durham, NH: University of New Hampshire. http://disabilitycompendium.org/sites/default/files/user-uploads/2016AnnualReportSlideDeck

Poverty Percentage Gap Among People with and without Disabilities, by State, 2015



Data Source: 2015 American Community Survey, American FactFinder, Table B18130

Kraus, Lewis. (2017). 2016 Disability Statistics Annual Report. Durham, NH: University of New Hampshire.
http://disabilitycompendium.org/sites/default/files/user-uploads/2016AnnualReportSlideDeck

Getting ACS data

- **American Factfinder website**
  - http://factfinder2.census.gov
  - Guided or Advanced Search tools available
  - Can download data (csv for Excel; pdf or rtf for layout)
  - Can create a county level map of data

Factfinder Search Example

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Factfinder Search Example

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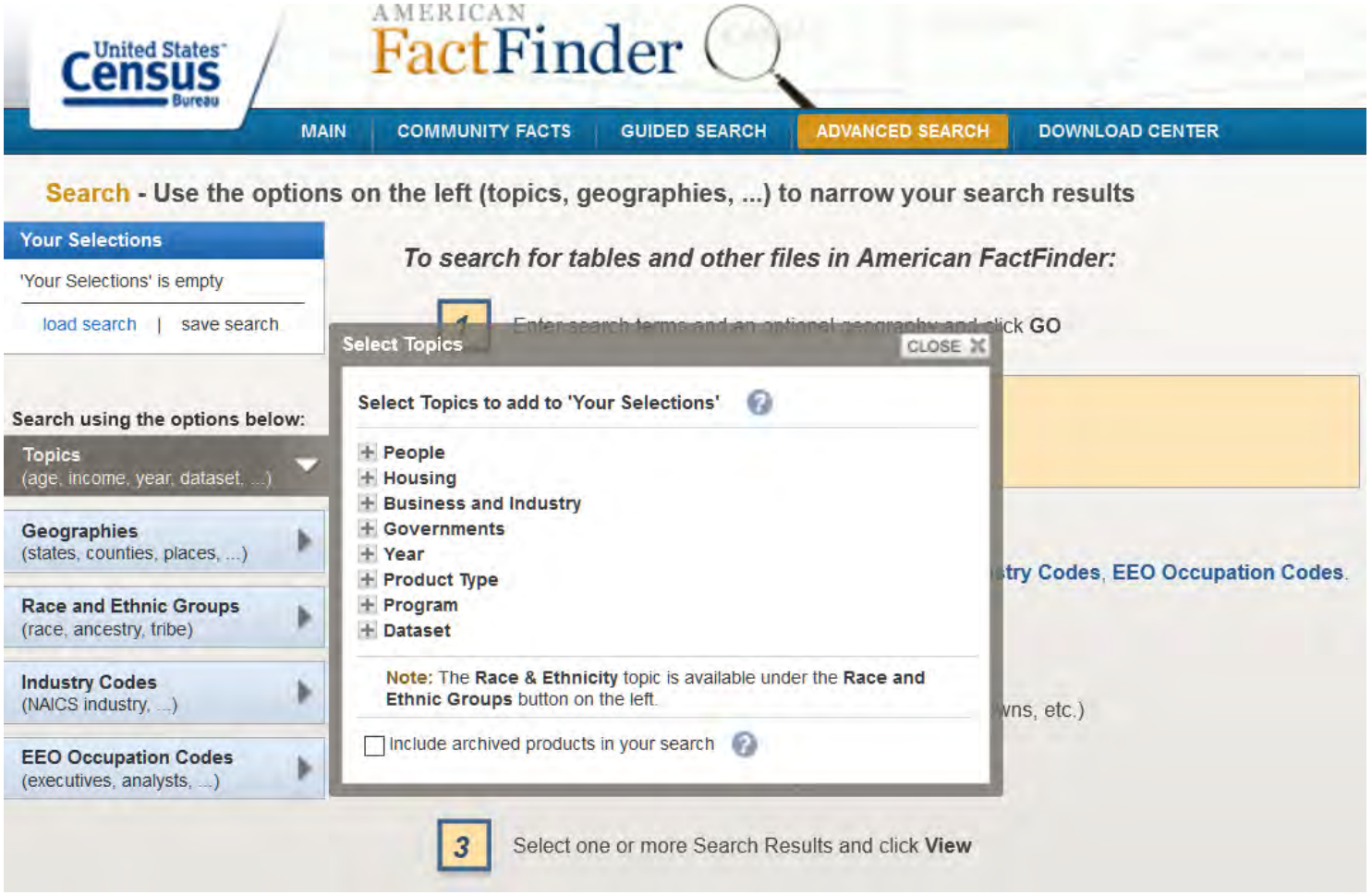
Factfinder Search Example



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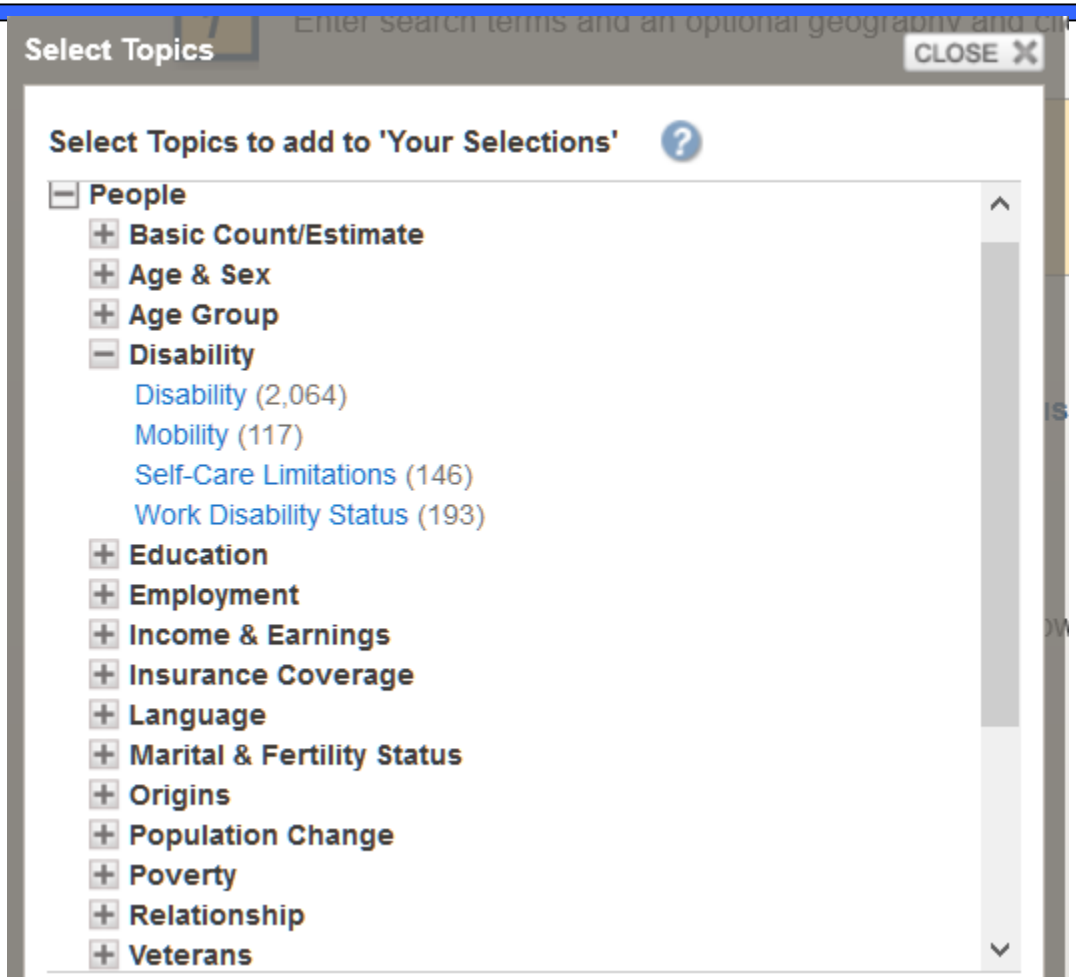
Factfinder Search Example



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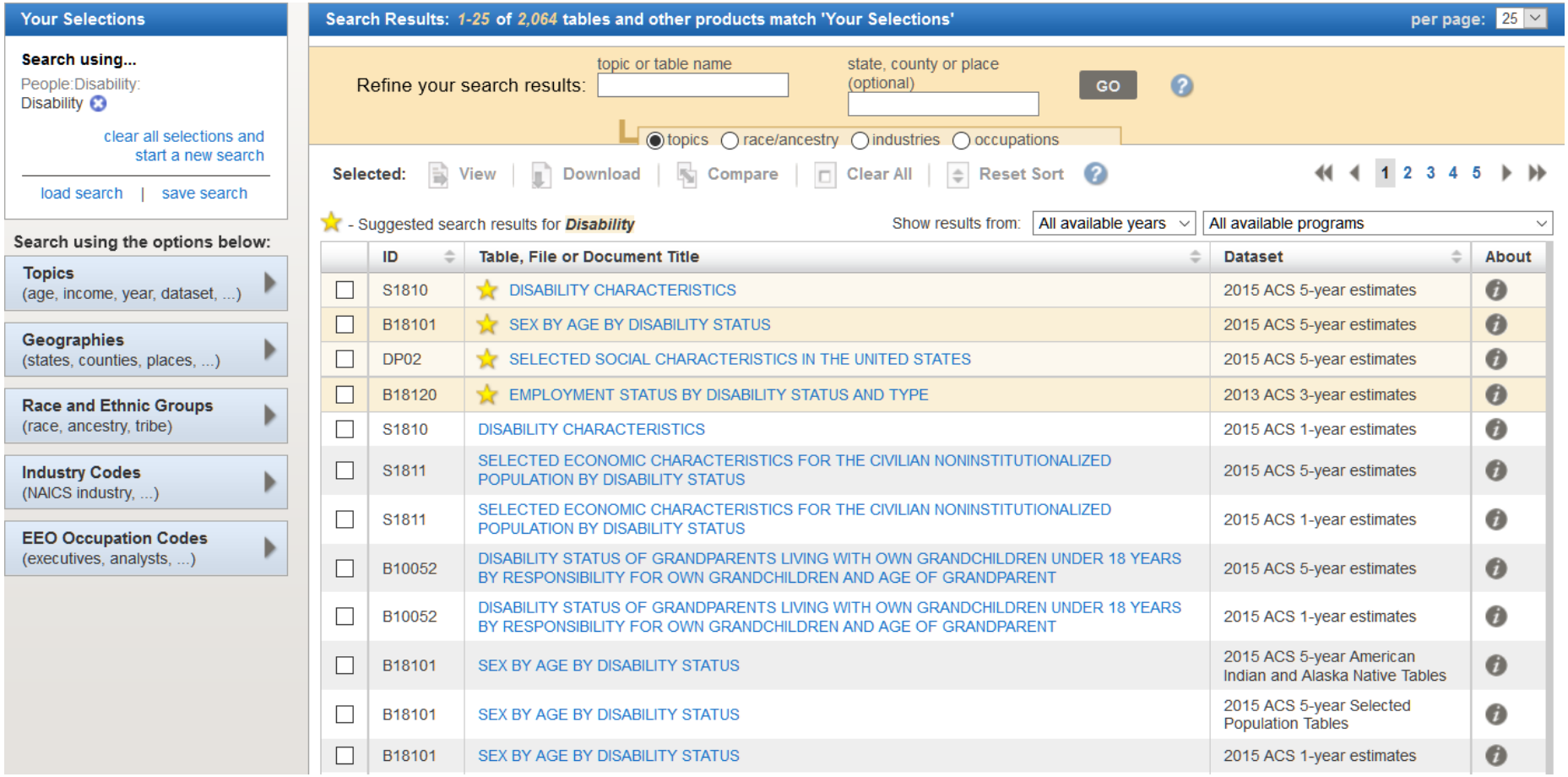
Factfinder Search Example



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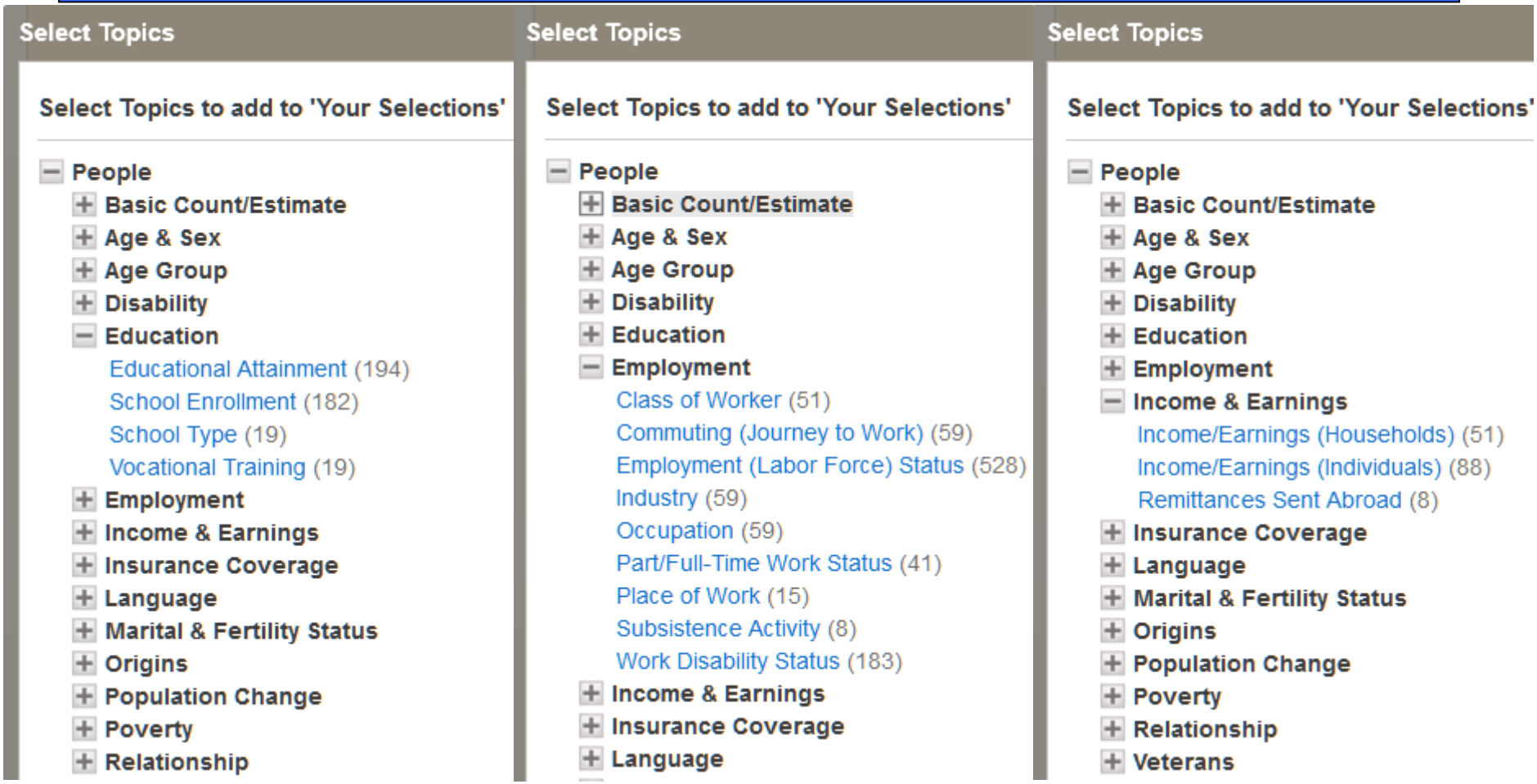
Factfinder Data Table Example

Subject	United States					
	Total		With a disability		Percent with a disability	
	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error
Total civilian noninstitutionalized population	311,516,332	+/-9,197	38,601,898	+/-64,653	12.4%	+/-0.1
SEX						
Male	152,119,835	+/-11,933	18,587,228	+/-34,970	12.2%	+/-0.1
Female	159,396,497	+/-8,706	20,014,670	+/-37,615	12.6%	+/-0.1
RACE AND HISPANIC OR LATINO ORIGIN						
White alone	229,729,186	+/-46,999	29,469,861	+/-72,256	12.8%	+/-0.1
Black or African American alone	38,635,817	+/-27,312	5,387,115	+/-19,638	13.9%	+/-0.1
American Indian and Alaska Native alone	2,504,738	+/-14,551	412,973	+/-4,186	16.5%	+/-0.1
Asian alone	16,152,617	+/-20,701	1,088,575	+/-6,911	6.7%	+/-0.1
Native Hawaiian and Other Pacific Islander alone	533,665	+/-4,691	53,484	+/-1,687	10.0%	+/-0.3
Some other race alone	14,671,064	+/-84,585	1,172,064	+/-10,636	8.0%	+/-0.1
Two or more races	9,289,245	+/-78,543	1,017,826	+/-9,100	11.0%	+/-0.1
White alone, not Hispanic or Latino	194,496,983	+/-10,895	26,377,763	+/-77,076	13.6%	+/-0.1
Hispanic or Latino (of any race)	53,509,295	+/-5,617	4,647,776	+/-18,429	8.7%	+/-0.1
AGE						
Under 5 years	19,909,820	+/-3,816	159,879	+/-3,408	0.8%	+/-0.1
5 to 17 years	53,637,150	+/-5,876	2,853,439	+/-10,528	5.3%	+/-0.1
18 to 34 years	72,307,218	+/-12,976	4,218,974	+/-14,242	5.8%	+/-0.1
35 to 64 years	122,348,530	+/-11,707	15,766,614	+/-47,137	12.9%	+/-0.1
65 to 74 years	24,857,845	+/-4,692	6,330,993	+/-14,907	25.5%	+/-0.1
75 years and over	18,455,769	+/-4,646	9,271,999	+/-16,614	50.2%	+/-0.1

Factfinder Data Table Example

Subject	Monroe County, Indiana					
	Total		With a disability		Percent with a disability	
	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error
Total civilian noninstitutionalized population	141,477	+/-160	14,617	+/-757	10.3%	+/-0.5
SEX						
Male	70,415	+/-132	7,038	+/-486	10.0%	+/-0.7
Female	71,062	+/-138	7,579	+/-519	10.7%	+/-0.7
RACE AND HISPANIC OR LATINO ORIGIN						
White alone	122,828	+/-437	13,362	+/-738	10.9%	+/-0.6
Black or African American alone	4,104	+/-353	293	+/-108	7.1%	+/-2.7
American Indian and Alaska Native alone	534	+/-317	33	+/-51	6.2%	+/-10.2
Asian alone	8,731	+/-305	218	+/-93	2.5%	+/-1.1
Native Hawaiian and Other Pacific Islander alone	53	+/-43	0	+/-27	0.0%	+/-39.1
Some other race alone	1,092	+/-324	127	+/-144	11.6%	+/-11.9
Two or more races	4,135	+/-484	584	+/-210	14.1%	+/-5.0
White alone, not Hispanic or Latino	119,898	+/-193	13,171	+/-741	11.0%	+/-0.6
Hispanic or Latino (of any race)	4,616	+/-11	368	+/-178	8.0%	+/-3.9
AGE						
Under 5 years	6,397	+/-17	50	+/-63	0.8%	+/-1.0
5 to 17 years	16,470	+/-20	653	+/-173	4.0%	+/-1.1
18 to 34 years	60,561	+/-196	2,535	+/-353	4.2%	+/-0.6
35 to 64 years	42,919	+/-220	6,262	+/-594	14.6%	+/-1.4
65 to 74 years	8,651	+/-124	1,718	+/-203	19.9%	+/-2.4
75 years and over	6,479	+/-136	3,399	+/-249	52.5%	+/-3.7

Factfinder Data Table Example



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Disability Statistics & Demographics
Rehabilitation Research & Training Center

Factfinder Data Table Example

Select Topics

Select Topics to add to 'Your Selections'

- **People**
  - **Basic Count/Estimate**
  - **Age & Sex**
  - **Age Group**
  - **Disability**
  - **Education**
  - **Employment**
  - **Income & Earnings**
  - **Insurance Coverage**
  - **Language**
  - **Marital & Fertility Status**
  - **Origins**
  - **Population Change**
  - **Poverty**
    - Food Stamps/SNAP (20)
    - Poverty (224)
  - **Relationship**
  - **Veterans**
- **Housing**
  - **Basic Count/Estimate**
    - Housing Units (18)
    - Living Quarters (14)
  - **Financial Characteristic**
    - Contract/Asked Rent (10)
    - Gross Rent (46)
    - Meals included in Rent (2)
    - Mobile Home Costs (1)
    - Mortgages and Status (10)
    - Owner Costs & Fees (46)
    - Renter Housing Costs & Fees (54)
    - Renter Statistics (10)
    - Utilities and Fuels (5)
    - Value of Home (46)
  - **Occupancy Characteristic**
    - Age of Householder (15)
    - Hispanic or Latino Householder (3)
    - Household Size (51)
    - Household Type (139)
    - Occupancy and Vacancy Status (10)
    - Occupants Per Room (46)
    - Owner/Renter (Tenure in Occupied Units
    - Race/Ethnicity of Householder (2)
    - Vehicles Available (46)
    - Year Householder Moved Into Unit (18)
  - **Physical Characteristic**
    - Battery Operated Radio (7)
    - Bedrooms (10)
    - Building Materials (7)
    - Computer Availability (36)
    - Cooperative & Condominium Status (6)
    - Heating and Air Conditioning (7)
    - Heating Fuel (36)
    - Internet Access (37)
    - Kitchen Facilities (10)
    - Number of Structures (6)
    - Plumbing Facilities (10)
    - Rooms (10)
    - Sewage Disposal (10)
    - Source of Water (11)
    - Telephone Service Available (46)
    - Units in Structure (46)
    - Year Structure Built (46)

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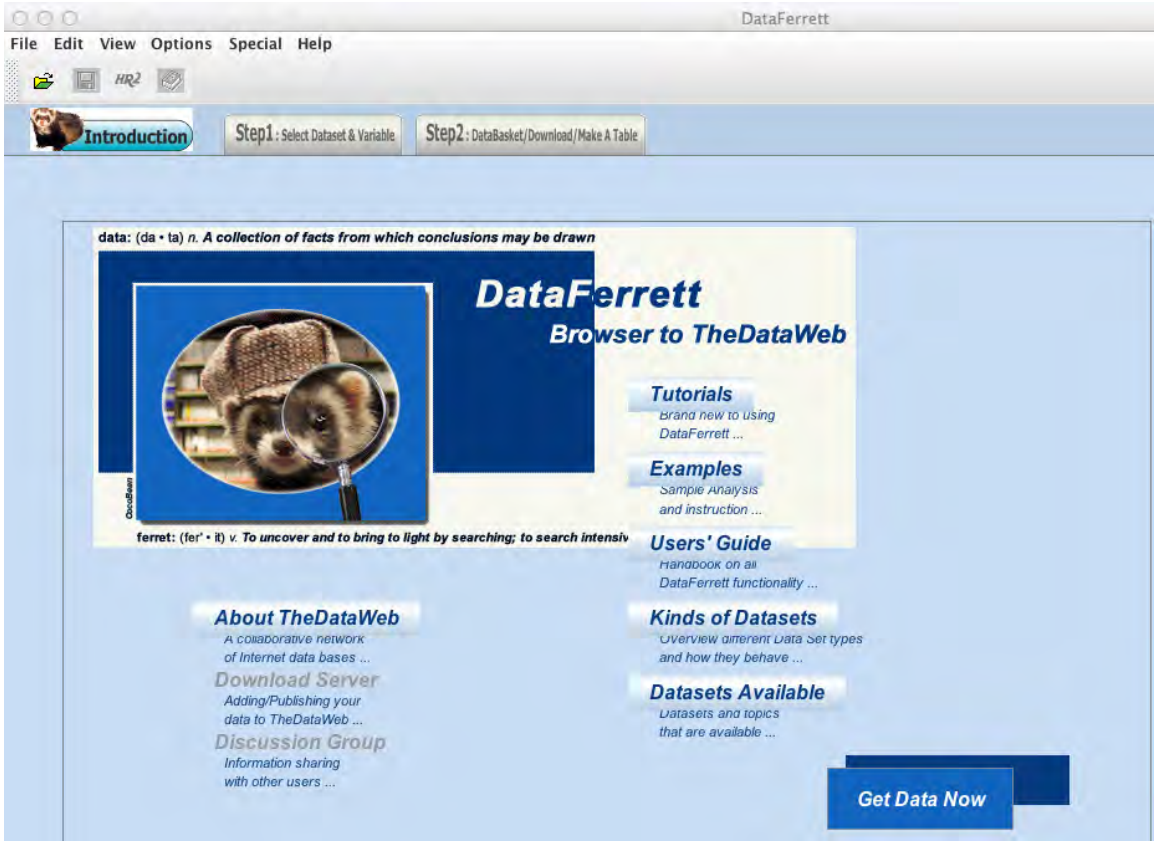
Factfinder Data Table Example

	Monroe County, Indiana	
	Estimate	Margin of Error
Total:	127,669	+/-1,080
Under 18 years:	22,323	+/-209
With a disability:	669	+/-182
Income in the past 12-months below poverty level	277	+/-146
Income in the past 12-months at or above poverty level	392	+/-121
No disability:	21,654	+/-261
Income in the past 12-months below poverty level	3,888	+/-543
Income in the past 12-months at or above poverty level	17,766	+/-593
18 to 64 years:	90,216	+/-1,117
With a disability:	8,348	+/-673
Income in the past 12-months below poverty level	2,422	+/-424
Income in the past 12-months at or above poverty level	5,926	+/-557
No disability:	81,868	+/-1,208
Income in the past 12-months below poverty level	24,335	+/-1,143
Income in the past 12-months at or above poverty level	57,533	+/-1,215
65 years and over:	15,130	+/-175
With a disability:	5,117	+/-331
Income in the past 12-months below poverty level	390	+/-144
Income in the past 12-months at or above poverty level	4,727	+/-345
No disability:	10,013	+/-341
Income in the past 12-months below poverty level	395	+/-113
Income in the past 12-months at or above poverty level	9,618	+/-347

Getting ACS data

- Can also download data from Data Ferrett



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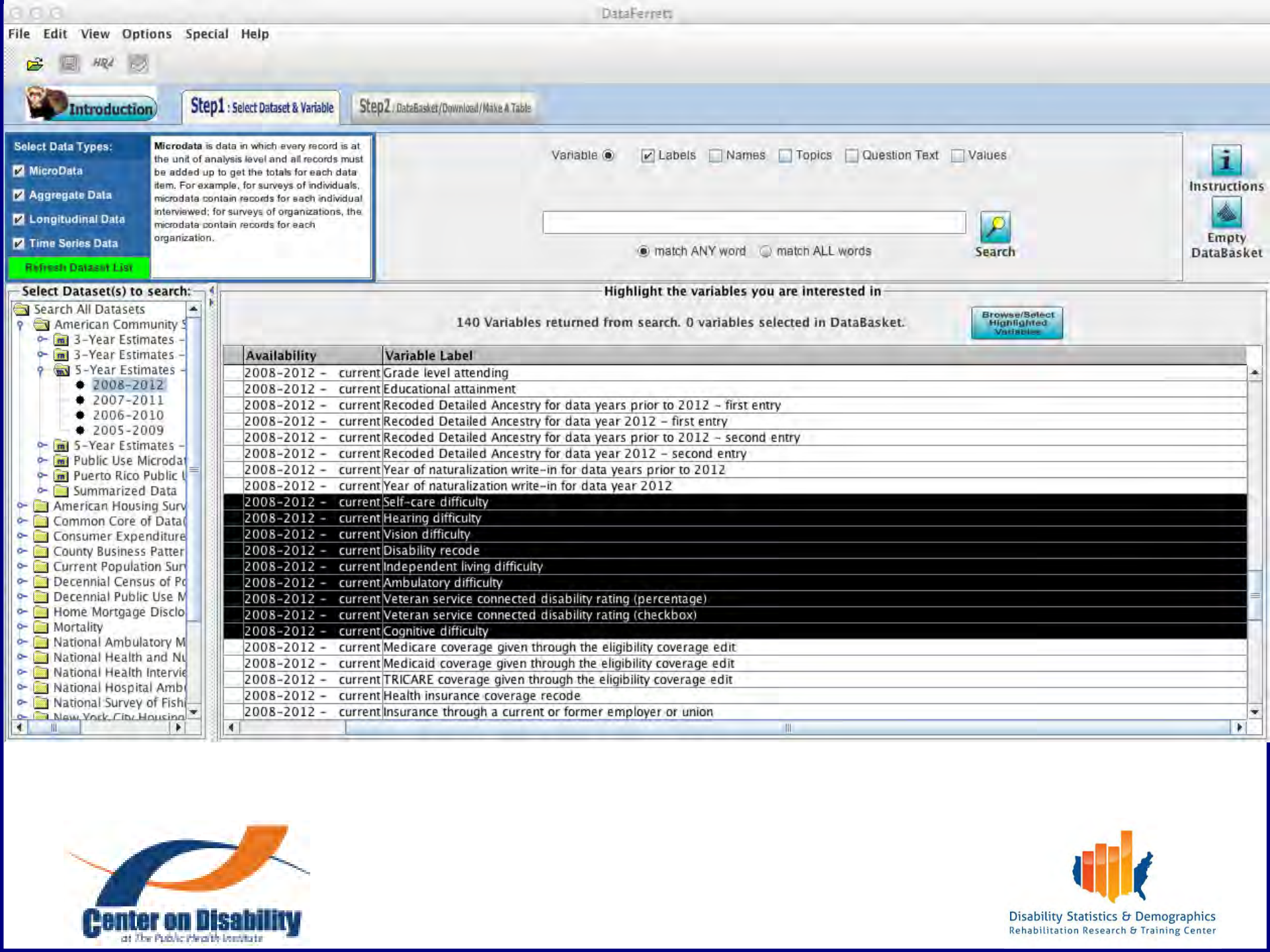

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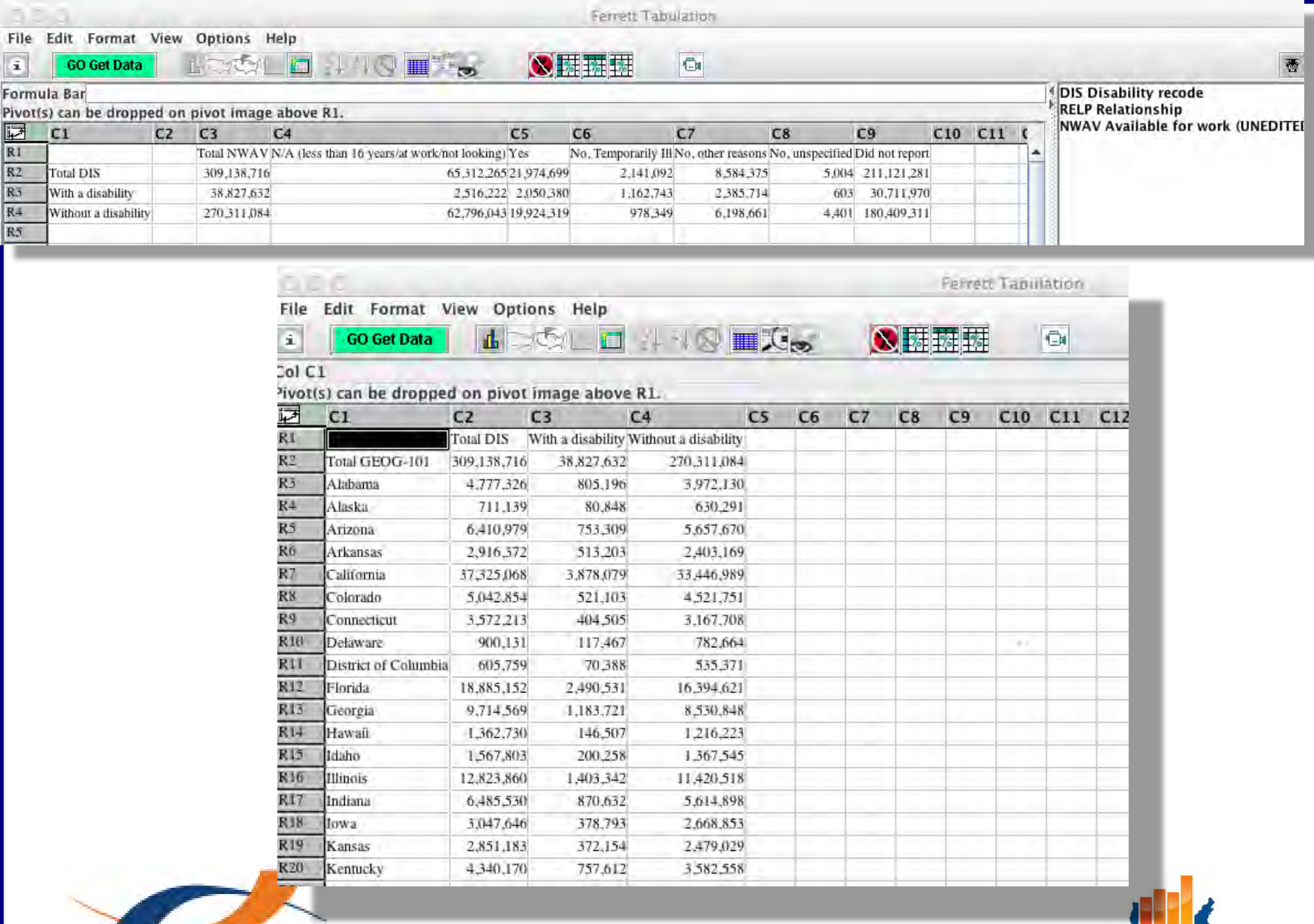

	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11
R1			Total NWAV	N/A (less than 16 years/at work/not looking)	Yes	No, Temporarily Ill	No, other reasons	No, unspecified	Did not report		
R2	Total DIS		309,138,716	65,312,265	21,974,699	2,141,092	8,584,375	5,004	211,121,281		
R3	With a disability		38,827,632	2,516,222	2,050,380	1,162,743	2,385,714	603	30,711,970		
R4	Without a disability		270,311,084	62,796,043	19,924,319	978,349	6,198,661	4,401	180,409,311		
R5											

	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12
R1		Total DIS	With a disability	Without a disability								
R2	Total GEOG-101	309,138,716	38,827,632	270,311,084								
R3	Alabama	4,777,326	805,196	3,972,130								
R4	Alaska	711,139	80,848	630,291								
R5	Arizona	6,410,979	753,309	5,657,670								
R6	Arkansas	2,916,372	513,203	2,403,169								
R7	California	37,325,068	3,878,079	33,446,989								
R8	Colorado	5,042,854	521,103	4,521,751								
R9	Connecticut	3,572,213	404,505	3,167,708								
R10	Delaware	900,131	117,467	782,664								
R11	District of Columbia	605,759	70,388	535,371								
R12	Florida	18,885,152	2,490,531	16,394,621								
R13	Georgia	9,714,569	1,183,721	8,530,848								
R14	Hawaii	1,362,730	146,507	1,216,223								
R15	Idaho	1,567,803	200,258	1,367,545								
R16	Illinois	12,823,860	1,403,342	11,420,518								
R17	Indiana	6,485,530	870,632	5,614,898								
R18	Iowa	3,047,646	378,793	2,668,853								
R19	Kansas	2,851,183	372,154	2,479,029								
R20	Kentucky	4,340,170	757,612	3,582,558								

For More Information, Contact

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