

Outline Census data in grant proposals Census Bureau programs and concepts Accessing the data Presenting the data Sources and resources Summary: Where to start DIY exercises

Census Data in Grant Proposals
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A Successful Grant Proposal Is . . . Well organized Thoughtfully planned Concisely packaged Backed with supportive data Backed with supportive data

Grant Components Activity plan and timeline Budget section References Needs statement Goals and objectives Project description Supportive Data Project description

The Needs Statement Powerful Component Describes the population that will benefit or the target population to be served Defines the community problem to be addressed Presents situation factually – in measureable terms (data) Describes situation qualitatively -- writer makes it SING!

Demographic Data Help Answer Questions Like . . . How many people live here? How has the number of people changed?

- How old or young are the people?
- What race and ethnicity are they?
- How well educated are the people?
- What languages do they speak?
- How many single parents?
- How many households are low-income?

Look at 2010 Census National Trends

- Aging of the population
- Declining household size
- Changing household composition
- Grandparents as caregivers
- Mothers with infants returning to the labor force
- Children living in poverty
- Growth of racial and ethnic groups

For trends, check links from the Homepage—census.gov— Topics tab and Newsroom tab

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Look at Your Community or Target Area

How is it different?

- · Low income families
- Older population
- · Working mothers
- Overcrowded housing, e.g.
- High unemployment
- · Less educated
- Disabled population
- School age population

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Housing Needs Assessment Focus on housing needs, for example Rental housing Home ownership Seniors & special needs housing

Housing Needs Assessment Rental Housing

- How much rental housing exists in your area?
- How old is the rental housing?
- What is the rental housing rate?
- Age distribution of renters?
- How much do renters pay?
- What percent of income is spent on rent?

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Housing Needs Assessment Home Ownership

- How many owner-occupied housing units?
- What are the characteristics of home owners?
- How old is the housing stock?
- Are the housing units overcrowded?
- What percent of income is spent on housing?

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Housing Needs Assessment Seniors & Special Needs Housing

- What is the age distribution of those living in subsidized housing?
- How many seniors live in rental housing?
- How many seniors live in housing they own?
- How many elderly live alone?
- How many have mobility or living limitations?

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Census Bureau Programs and Concepts

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Census Bureau Demographic Programs

- 2010 Decennial Census
 - Counts: number of people and housing units
 - 100% coverage
- American Community Survey (ACS)
 - Estimates demographic, social, economic characteristics of people and housing stock
 - Characteristics: how people live
 - Sample of 2.5% of U.S. households every year

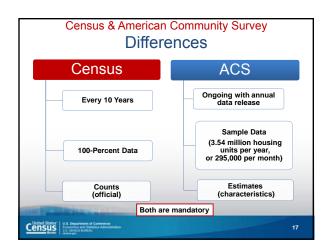
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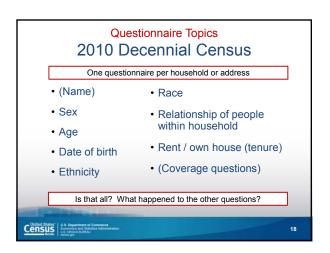
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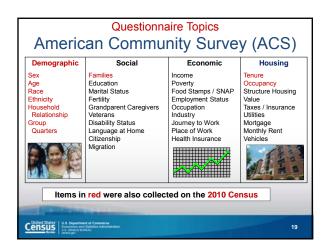
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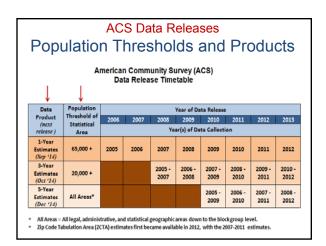
Line English States Adversarial











ACS Estimates Margin of Error (MOE) • A measure of the precision of an estimate at a given level of confidence • ACS estimates published with a 90% confidence level • True value may be anywhere within the range expressed by the MOE (midpoint is used) • Helps data users assess reliability • All surveys have sampling error • Sample size is important

ACS Updates and Improvements Internet Response Option Ongoing digital transformation 61st U.S. Census Bureau survey with Internet response option Households in sample receive letter with login instructions to secure website Participants have the ability to review responses Assistance available to respondents Advantages More convenient for respondents More cost-effective Secure and confidential

ACS Updates and Improvements Reallocation of Sample Objective: Improve the reliability of the estimates for small areas Increased sampling rates for small tracts and governmental units Slightly decreased sampling rates in larger tracts Begun in January 2011

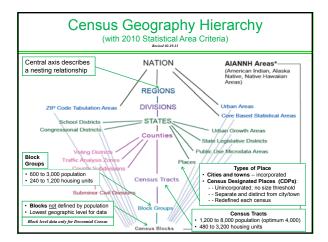
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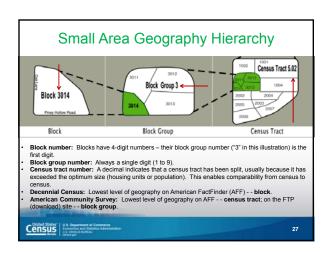


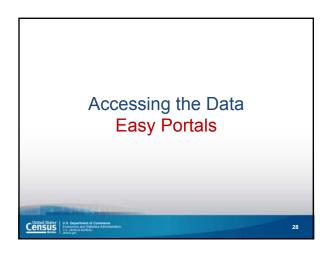
Funding Allocations Using Race / Ethnicity Data

- · Small minority business assistance
- · Housing improvement on Tribal lands
- Minority mental health programs
- · Employment assistance
- · Bilingual education programs
- · State vocational development
- · Food stamps program







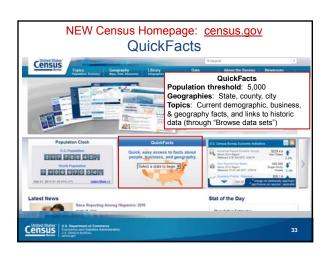




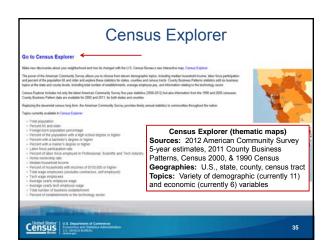


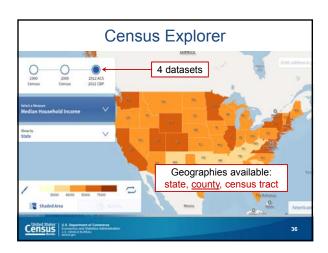


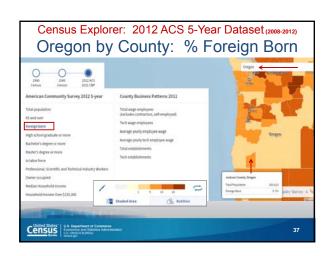








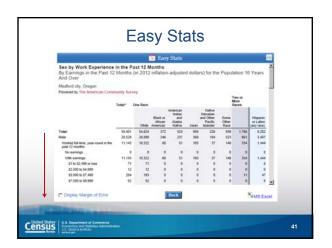


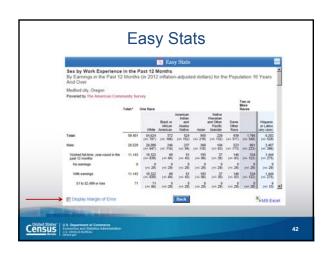








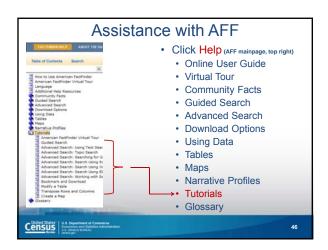




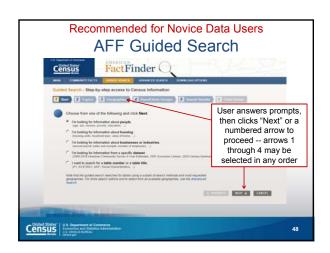




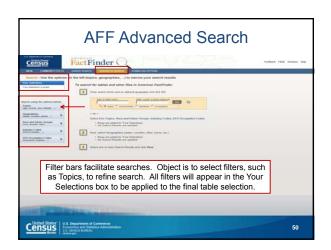


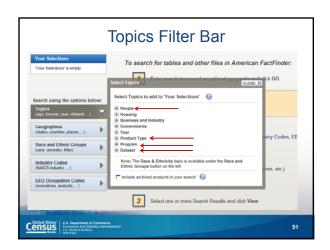


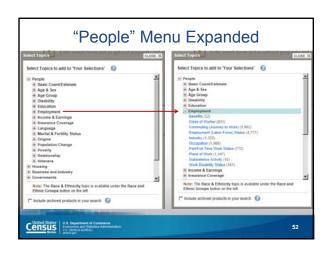


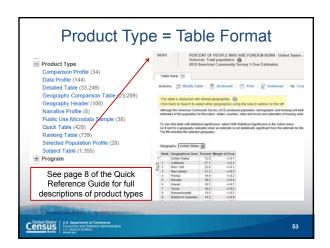


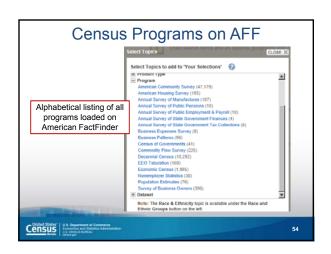


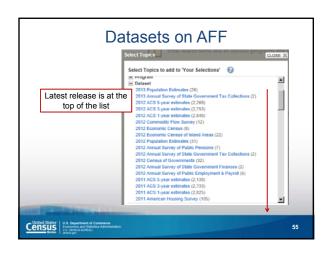


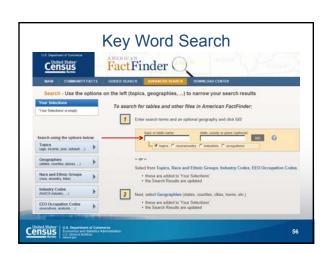




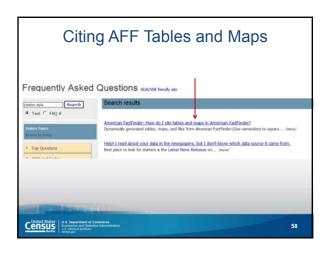


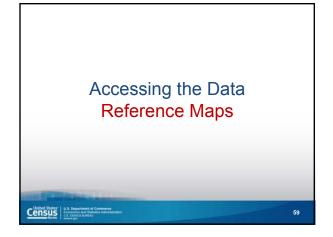




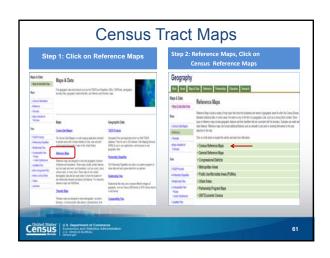




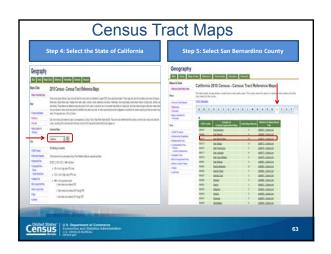


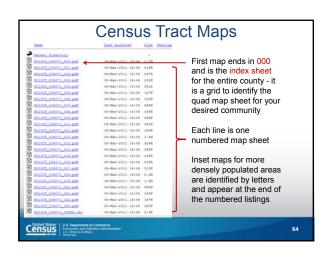


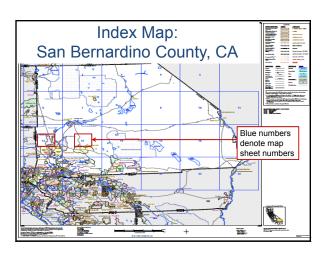


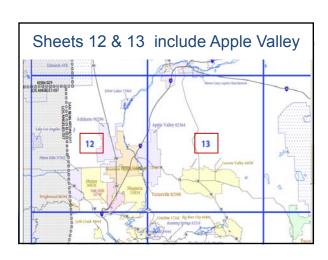


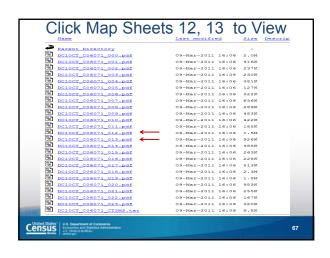


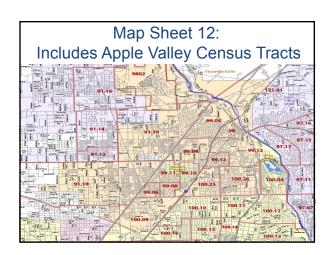


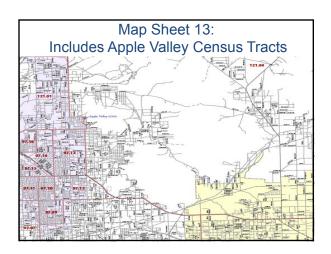












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Recommendation

ACS Data Profiles

- Describe more than 450 characteristics
 - Social
 - Economic
 - Housing
 - Demographic
- Excellent starting point for research
 - Can help identify a problem
 - May need a different table to quantify a problem
- Available down to census tract level



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Data in a Grant Proposal

- Present data that demonstrates a need
- Reflect funding agency priorities
- Show data and derived measures as reference points
 - Example: 3,000 families below poverty, or 15%

Effective in Grant Proposals! Provide Comparisons



- Change over time (2000, 2010)
 - Demonstrate emerging issues affecting target population
- Show outlier variables in communities with similar demographics
- Compare subset to larger group
 - Geographical areas or population groups

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Limitations of Census Bureau Data

- Some concepts / definitions not easily understood – footnote
- Might not be in exact tabular form as funding agency is requesting -- download
- Can be cumbersome to get specific data by tract or other small area -- aggregate
- Most socio-economic census data based on a sample estimate – consider MOE

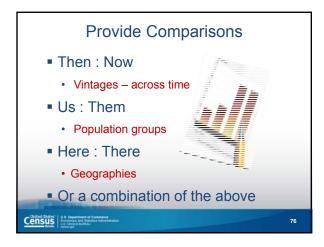
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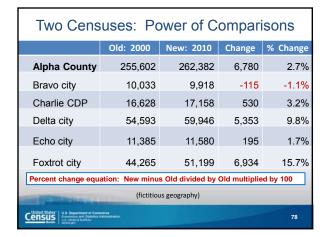
Reducing the Margins of Error (MOEs) ACS Tips

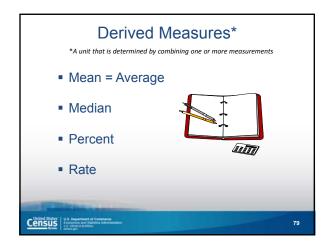
- Elevate geographic level, city to county
- Aggregate geographies; recalculate MOE
- Expand population group—Chinese>Asian
- Use higher level multi-year estimate, 3-year instead of 1-year estimate
- Use "C" (collapsed) table instead of "B" (base) table (categories will be collapsed) – both are Detailed Tables (product type)

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Presenting the Data Tips Note the "universe" for the table Example: "Population for whom poverty status is determined" Two data points do not define a "trend" Show both count / amount and derived measures Example: 3,000 families, or 15%, are living below the poverty level

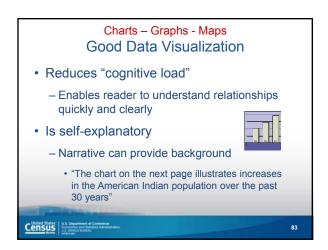




Income Estimates Mean = Average (RobertNilles.com) Salaries of nine workers at the World Wide Widget Company: The CEO makes \$100,000 per year, Two managers make \$50,000 per year, Four factory workers make \$15,000 each per year, and Two trainees make \$9,000 each per year, Add \$100,000 + \$50,000 + \$15,000 + \$15,000 + \$15,000 + \$15,000 + \$15,000 + \$9,000 + \$9,000, which gives you \$278,000. Then you divide that total by 9 -- the number of values or workers in the set of data This gives you the mean or average, which is \$30,889 Be carefull Only three of the nine workers at WWW Co. make that much money, and the other six workers don't even make half the average salary. So what statistic should you use when you want to give some idea of what the average worker at WWW Co. is earning? Let's look at the median.

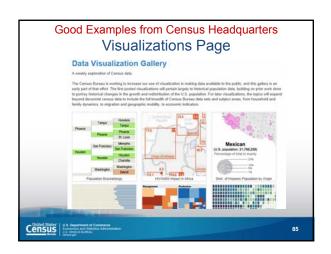
Income Estimates Median (RobertNiles.com) When you speak about the average worker or average household, you really want a statistic that tells you something about the worker or the household in the middle. Again, this statistic is easy to determine because the median literally is the value in the middle. Just line up the values in your set of data, from largest to smallest. The one in the dead-center is your median. Below are the nine WWW Co. workers' salaries: \$100,000 \$50,000 \$50,000 \$15,000 \$15,000 \$15,000 \$15,000 \$315,000

Calculated Measures -- examples Poverty A set of money income thresholds that vary by family size and composition -- updated annually Age dependency ratios Measures the share of people in the total population who are not economically active (children under 18 years and seniors 65 and older) Gini index Measures the degree of inequality in the distribution of family income in a country



Census frames

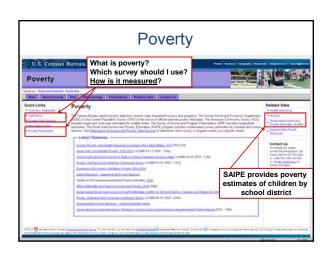


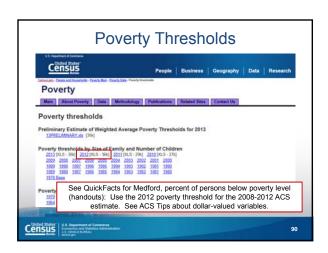






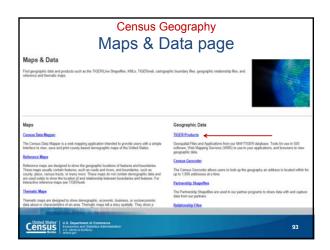


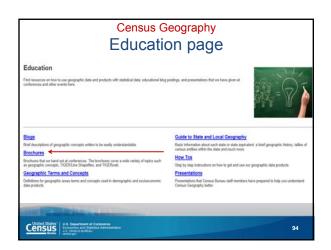


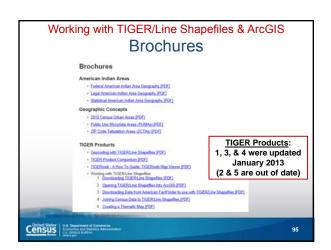


	1	Related children under 16 years								
Size of family unit	Weighted average thresholds	None	One	Two	Three	Four	Five	Six	Seven	Eight or more
One person (unrelated individual)	11.720									
Under 65 years	11.945	11,545								
65 years and over	11,011	11,011								
Two people	14,937									
Householder under 65 years	15,450	15.374	15,825							
Householder 65 years and over	13,892	13,878	15,765							
Three people	18,284	17,969	18,480	18,498						
Four people	23,492	23,681	24,069	23,283	23,364					
Five people	27,827	28,558	28,974	29,087	27,400	26,581				
Six people	31,471	32,847	32,978	32,298	31,647	30,678	30,104			
Seven people	35.743	37,795	38,031	37,217	36.651	35,594	34,362	33,009		
Eight people	39,688	42.271	42,644	41.876	41,204	40.249	39.038	37,777	37,457	
Nine people or more	47,297	50,849	51,095	50,416	49.845	48,908	47,620	45,454	46,165	44.3
Seven people		37,795 42,271	38,031 42,644	32,298 37,217 41,876 50,416			30,104 34,362 39,036 47,620	33,009 37,777 46,454	37,45	







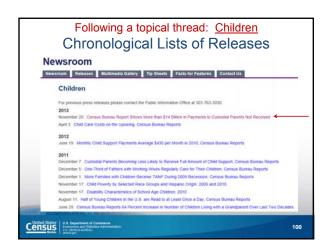


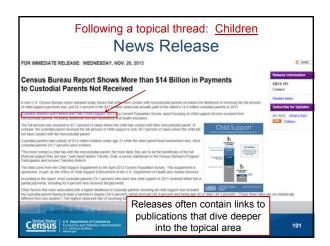


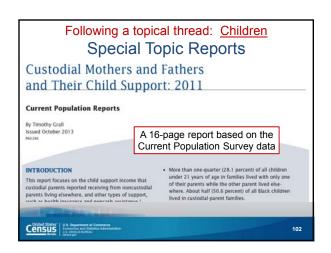






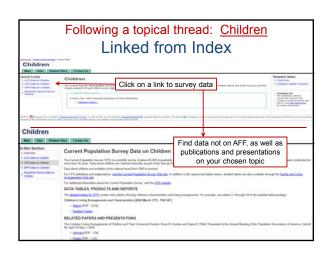


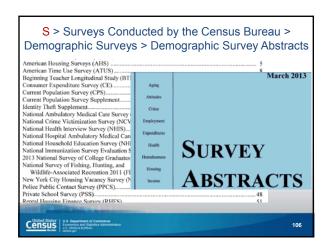




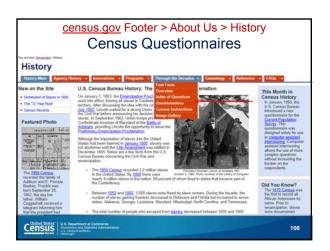


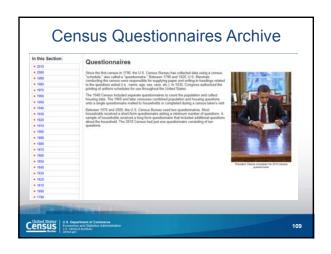


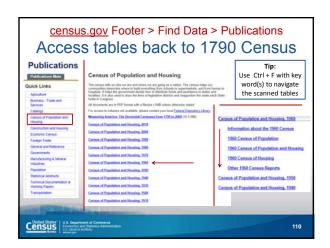




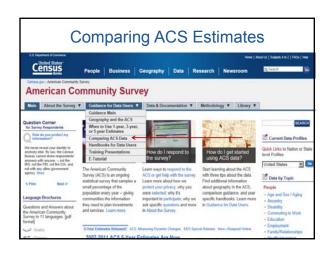


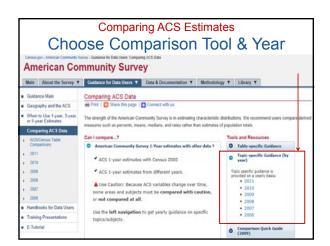


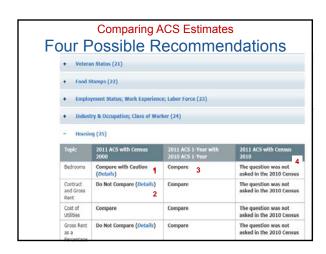




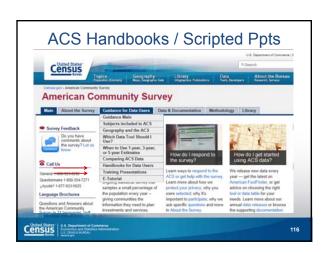


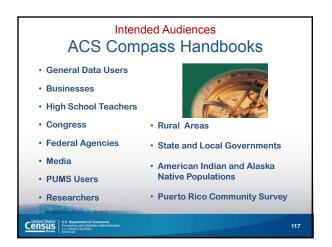












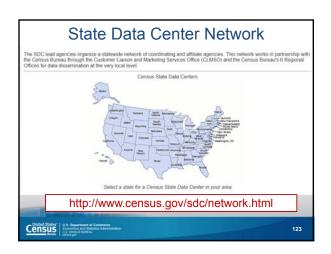


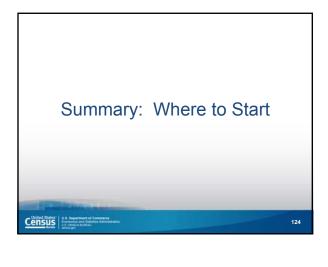
Helpful Websites: Researching Grants Libraries Foundation Center Maintains comprehensive database on U.S. (and some global) grantmakers and grants Subscription service Your state, university, and local library May subscribe to online databases – free to library card holders "Ask a librarian" online service may provide simple lookup service











Starting Your Search Key Questions to Ask Yourself What topic(s) am I interested in? What data sources cover those topics? At what level of geography? What is available at that level? Do I want to compare two or more geographies? Do I want race / ethnicity cross-tabulations?

- How current does the data need to be?
 - What tradeoffs am I prepared to make?
 - Can I sacrifice currency for more reliability?

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Why Census Data Are Powerful

- The "gold standard"
 - Leading source of data
 - Reliable, consistent methodology
- Comparable nationwide
- Detailed and flexible
- Used widely by organizations of all kinds
- Free!

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