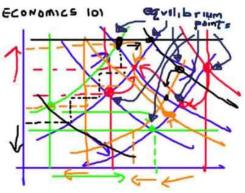
Measuring the Labor Market

Going Beyond Unemployment Rates



Economic Affairs Interim Committee November 7, 2017

November 7, 2017 Helena, MT Barbara Wagner
Chief Economist



Unemployment Rate

percent of the labor force looking for work

 $Unemployment \ Rate = \frac{unemployed \ persons}{labor \ force}$





What does the Unemployment Rate Measure?

The unemployment rate measures how hard it is to find a job if you are looking for a job.

- Measures the health of the labor market, not the demand from the economy or the supply of workers.
- Indicates changes in the economy.
- Relative measure over time and across areas.
- Bounded by 0% and rarely will exceed 20%.
 - At higher rates, people will stop looking for a job
 - Higher rates usually indicate wars, dramatic shocks, typically will coincide with government instability, rising crime, protests, other instability





Who measures Unemployment Rates?

1. Bureau of Labor Statistics

- Available monthly for U.S., state, county, MSAs, and Montana reservations.
- Monthly data collected from 1,400 Montana households,
 3,600 Montana businesses, plus claims.
- Data drives model estimates, benchmarked annually

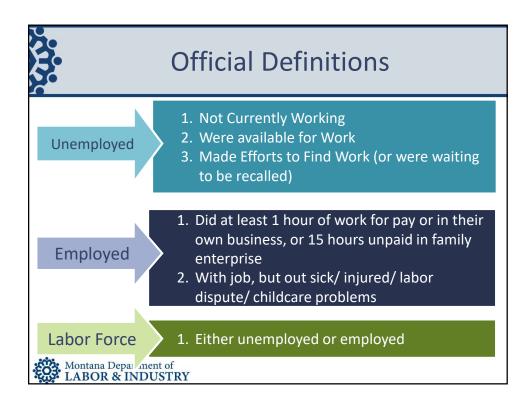
2. Census Bureau

- 19,500 households & group quarters surveyed annually
- Available for state and nation annually. Counties, cities, and reservations use 5-year averages.



Warning:

Other organizations collect labor market data, but not unemployment rates.

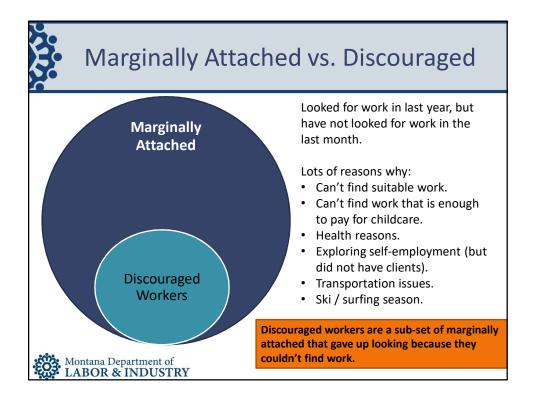


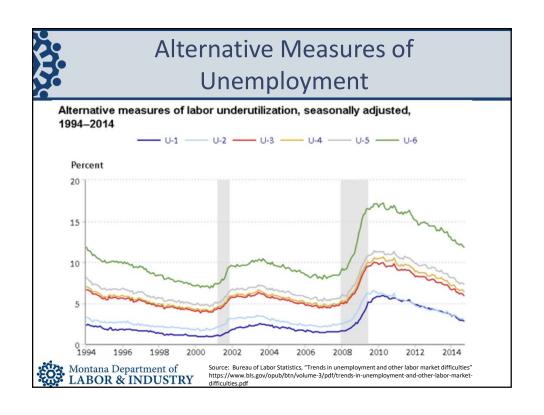


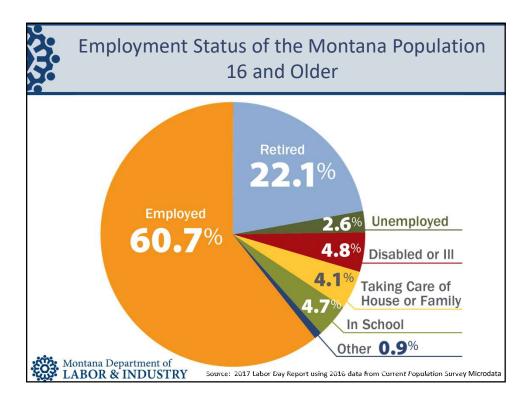
What about the rest of people?

- ➤ U1 Unemployed 15 weeks or longer
- ➤ U2 Job losers, including temporary workers
- > U3 Official Rate, total unemployed
- ➤ U4 Unemployed plus discouraged workers
- ➤ U5 Unemployed, discouraged, and marginally attached
- ➤ U6 Unemployed, discouraged, marginally attached and parttime for economic reasons





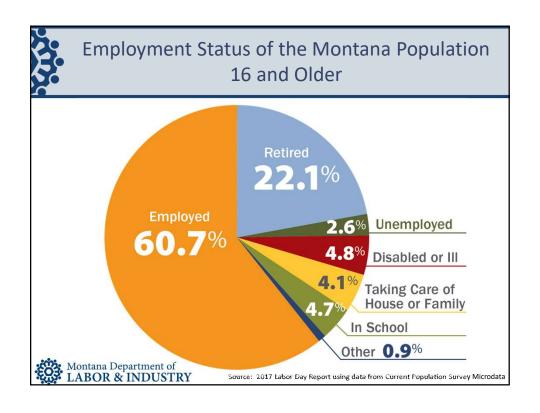


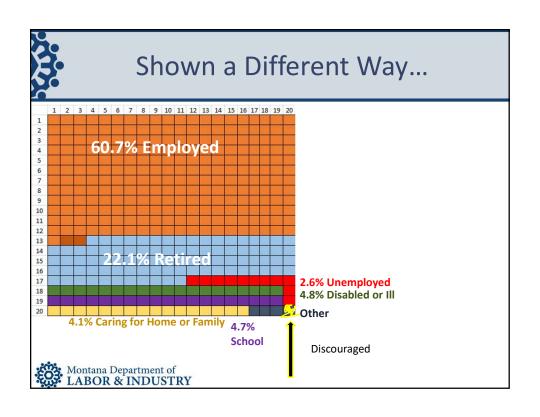


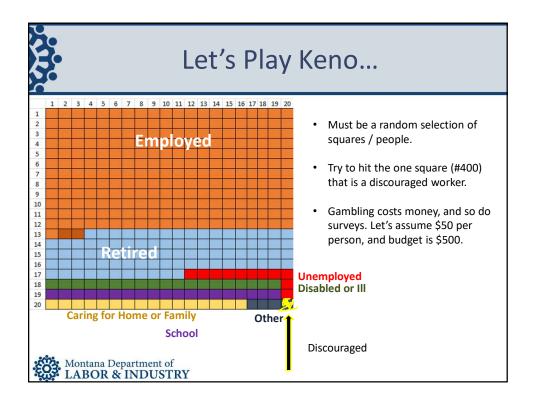
Why isn't there more unemployment information?

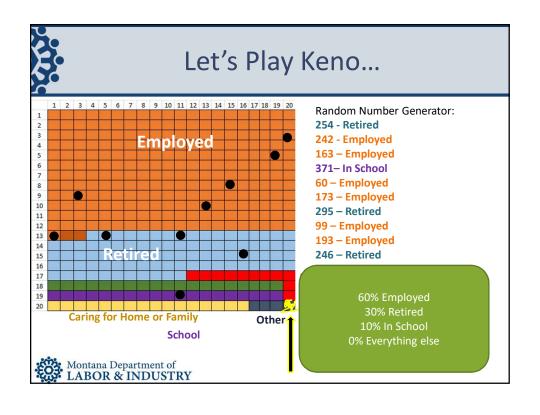
- 1. Doesn't add much additional information on economic changes.
 - Data is captured and can be used at state level.
- 2. Sampling is expensive because population is small.

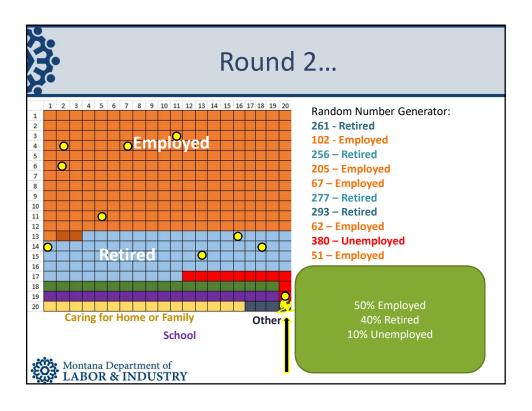


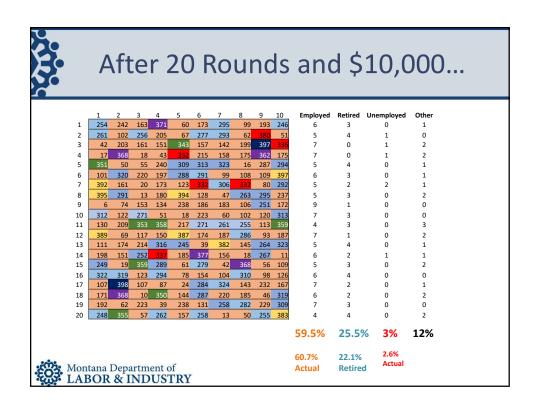


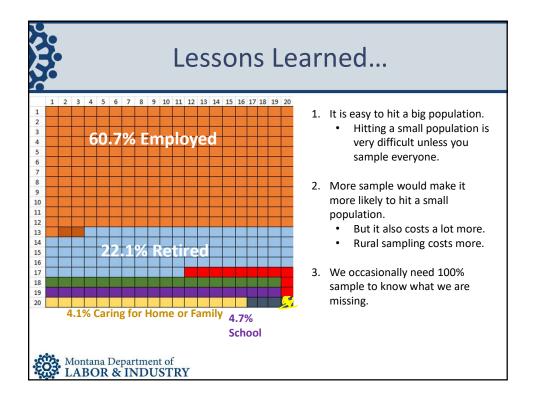


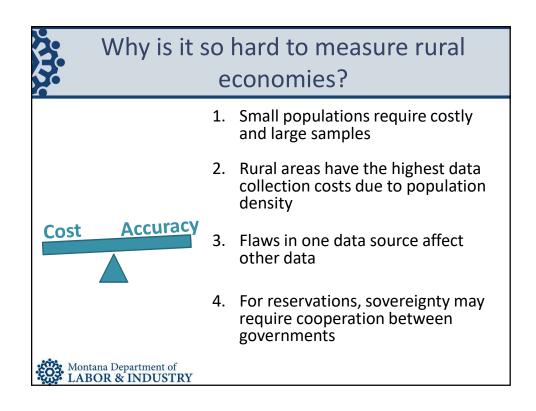














Why isn't there more unemployment information?

- 1. Doesn't add much additional information.
- 2. Sampling is expensive because population is small.
- 3. The unemployment rate is not the only measure of the labor market.
 - (and other measures might be better!)



Other Measures of the Labor Market and Economic Well-Being

- Labor force participation
- Employment to population Personal income & GDP
- Job openings
- Hours worked
- Wages / wage growth
- **Employment levels**
- Self-employment
- UI claims level
- Poverty rates
- Earned income

- Savings rates
- Vacancy rate
- Part-time work prevalence
- Education/ experience/ skills levels
- Job mobility
- Migration
- Commuting patterns
- Benefits



Key: Not available in Montana except by special research. Only available at state level. Limited data available.

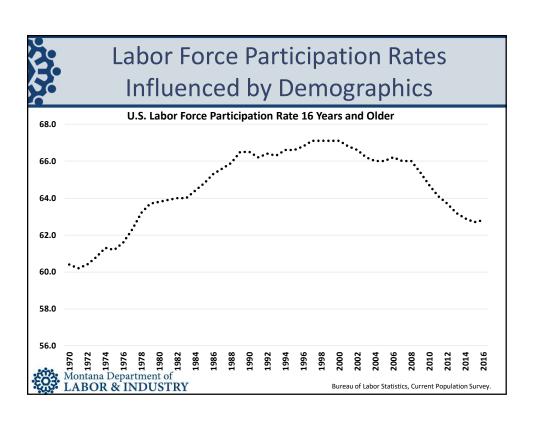


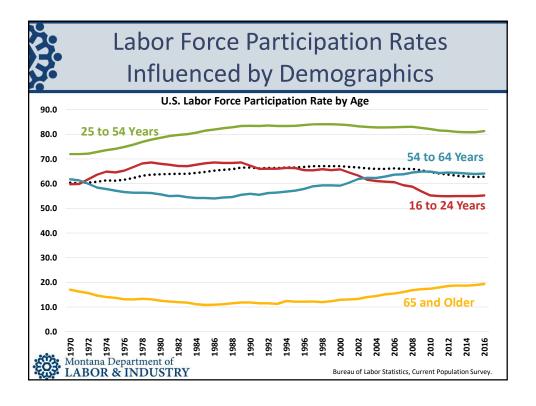
Other Employment Metrics:

Labor Force Participation Rates

- Percent of the population over 16 in the labor force
- Used as a measure of economic engagement
- Affected by economic performance, age, demographics, wages, and more.
- Labor force participation for those of normal working age (16 to 64) becoming more important as baby boomer generation retires.







Other Employment Metrics Employment to Population Ratios

- Percent of population who are employed (Census)
- Affected by demographics
 - Sometimes adjusted for demographics using just people 16 to 64 years of age.
- Combination of labor force participation and unemployment rates.
- Better measure for persistently poor economic conditions, but not a measure of economic changes.

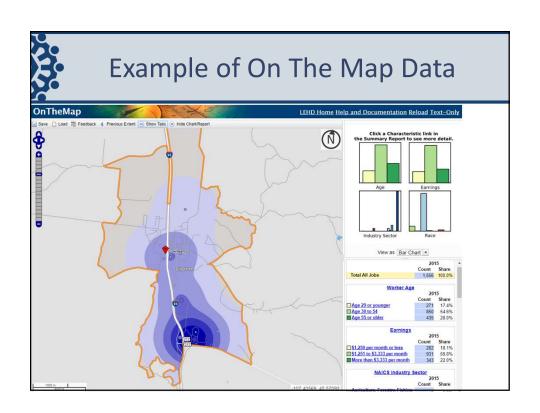




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Dangers to Data Quality

- Privacy concerns with sharing administrative data.
- Making the decennial Census optional.
- Census Bureau funding cuts / mis-management.
- National move to measure MSAs only.





MORE INFORMATION AVAILABLE:

WWW.LMI.MT.GOV

SOURCES FOR LOCAL INFORMATION:

LOCAL AREA PROFILES: LMI.MT.GOV/LOCAL-AREA-PROFILES

QUARTERLY WORKFORCE INDICATORS ON THE MAP AMERICAN COMMUNITY SURVEY

