

# QCEW Research Data for the Local Level

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# Outline

- Background on QCEW
  - ▶ Housekeeping (background, publications, etc.)
  - ▶ Recent Accomplishments
- QCEW Research Data
  - ▶ Foreign Direct Investment
  - ▶ Nonprofit Sector
- Web Demonstration (technology permitting)



# QCEW

## Quarterly Census of Employment and Wages



# QCEW

- Quarterly Census of Employment and Wages
- Fed/State cooperative program
  - ▶ Unemployment Insurance (UI) tax filings
  - ▶ Employment, Wages, Industry, Geography, Administrative Info
- Covers roughly 97% of US businesses
  - ▶ Establishment as unit of analysis



# QCEW Scope

- 97% of employees on nonfarm payrolls
- 10 million establishments
  - ▶ 9.9 million in the private sector
  - ▶ 300,000 in the public sector
- 148 million workers
  - ▶ 126 million in the private sector
  - ▶ 22 million in the public sector



# Data Collection: UI Tax Filing

- Unemployment Insurance (UI)
- What is excluded?
  - ▶ Self-employed, unpaid family employees
  - ▶ Some agricultural employees, some student workers
  - ▶ Elected officials
  - ▶ Members of the Armed Forces



# QCEW to BED

- Business Employment Dynamics (BED) is a set of statistics measuring changes in employment at the establishment level on a quarterly basis
  - ▶ Job churn
  - ▶ Creative destruction
- Data Source: Longitudinal, linked microdata from the Quarterly Census of Employment and Wages (QCEW)
  - ▶ BLS staff review UI administrative data for outliers and longitudinal linkages (including mergers/acquisitions)
  - ▶ Businesses are assigned a unique numeric identifier when they are loaded to the Longitudinal Database (LDB) that allows us to track them over time



## BLS Publications

### County Employment and Wages

- Quarterly Release: County by detailed NAICS
- Annual Employment and Wages
- Special publications
- Hurricane maps

### Business Employment Dynamics

- Job Creation/Destruction
- Quarterly and Annual
- Size Class Dynamics
- Firm and establishment births/deaths-- Survival Rates

### Monthly Labor Review Articles

### Spotlight on Statistics

### The Economics Daily

## Census Bureau

- **LEHD:** QCEW is essential matching key and source of geography and industry and link to other datasets, and employment
- **Business Register:** Sharing to reduce costs, burden and improve consistency
- **Industry Code Sharing** (3 M/year)
- **COS:** Multi-unit sharing- reduces cost and improves consistency
- **CPS Redesign:** QCEW used after decennial Census to improve sample design

## State and Local Government

- Services Planning
- Transportation planning
- Emergency planning

## Economic Development Indicators

- Cluster Analysis
- Shift Share
- Industry Diversity Indexes
- Location Quotients
- Local Impact analysis
- Site planning decisions

## Analytical

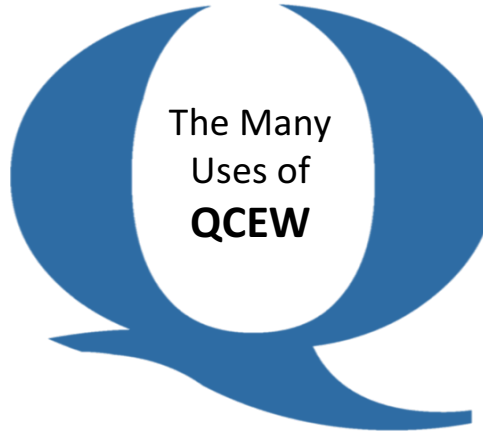
Gross Domestic Product (BEA)

Personal Income (BEA)-- largest single input

State Revenue Projections

Economic Forecasting

## General Economic Uses



## Programmatic Uses

UI Tax Rate & Actuarial Analysis

Federal Funds Allocation  
\$321 Billion  
(HUD, USDA, HCFA/CHIP)

UI-Covered Employment

Local Area Unemployment

Social Security Administration

Current Employment Statistics

Occupational Employment Statistics

Occupational Safety and Health Statistics

Job Openings & Labor Turnover Survey

## Benchmarking (Employment Base)

## Sampling

Current Employment Statistics

Consumer Price Index

Occupational Employment Statistics

Occupational Safety and Health Statistics

Job Openings & Labor Turnover Survey

Industrial Price Program

National Compensation Survey

Occupational Requirements Survey

## Other Agencies and States

- Energy Information Administration (EIA)
- NAWS/DOL
- NASS: Rural Innovation Survey
- States: Job Vacancies, Green Jobs Wage and Benefits Surveys



# *One BLS Program– many outputs*



# QCEW News Release Dates

Reference Period	News Release	Data Release
Second Quarter 2019	November 20, 2019	December 4, 2019
Third Quarter 2019	February, 19, 2020*	March 4, 2020*
Fourth Quarter 2019	May 20, 2020*	June 3, 2020*
First Quarter 2020	August 19, 2020*	September 2, 2020*
Second Quarter 2020	November 18, 2020*	December 2, 2020*

\*Projected. Dates may change after review by the BLS Office of Publications and Special Studies.



# BED News Release Dates

Reference Period	News & Data Release Date
First Quarter 2019	October 30, 2019
Second Quarter 2019	January 29, 2020*
Third Quarter 2019	April 29, 2020*
Fourth Quarter 2019	July 29, 2020*

\*Projected. Dates may change after review by the BLS Office of Publications and Special Studies.



*But wait– there's more!*



# Research Data: Foreign Direct Investment (FDI)



# “Matching” Project

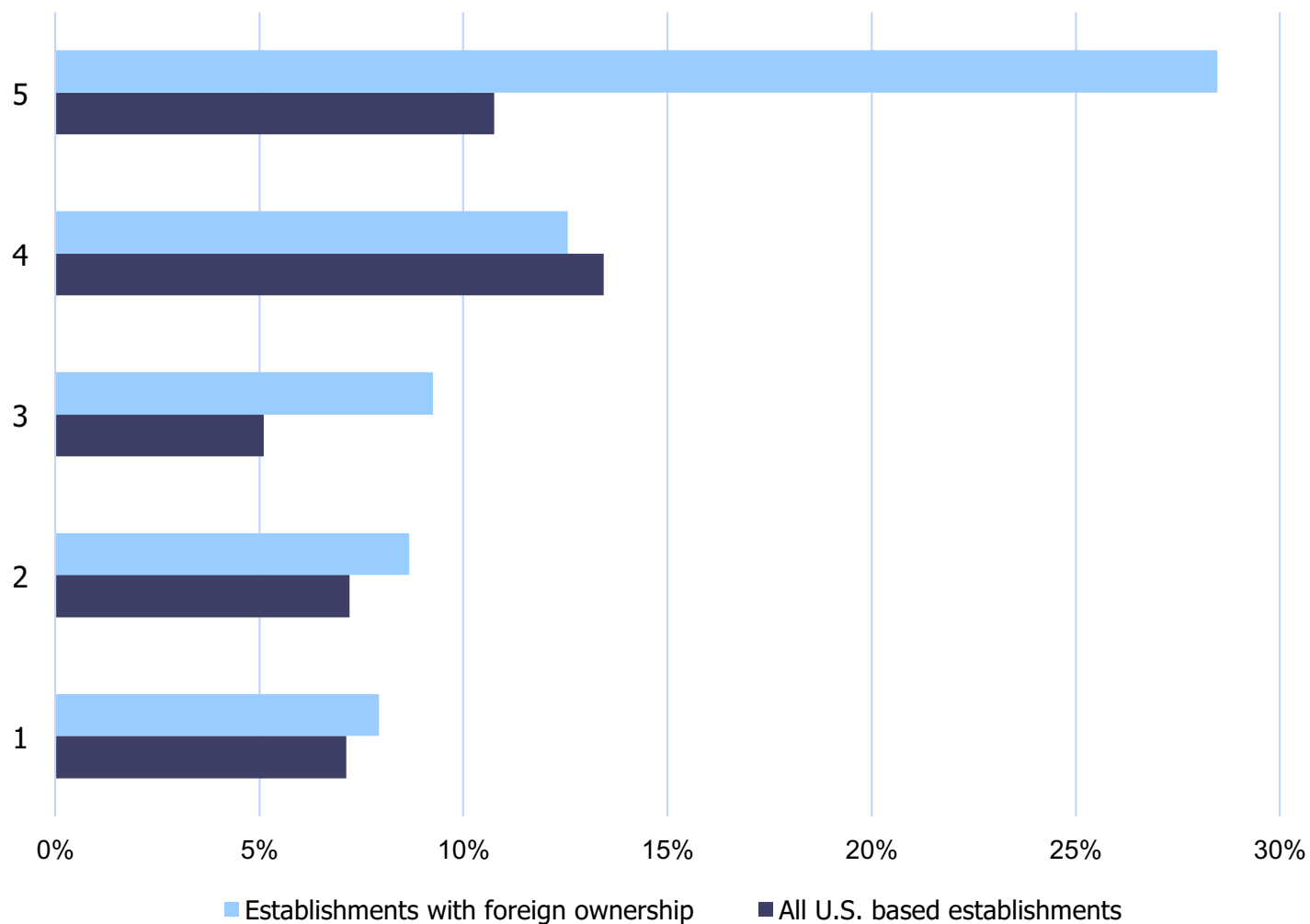
- Matching project of benchmark year 2012 BEA Foreign Direct Investment in the U.S. and 2012 QCEW data
  - ▶ Results in expanded industry and geographic detail
  - ▶ Potential for more timely FDI employment and wage estimates
  - ▶ No additional respondent burden

# Highlights

- Companies with foreign ownership:
  - Employ 5.52 million workers
    - 5.0% of the workforce
  - Pay on average \$74,953 a year
    - About 1½ times better



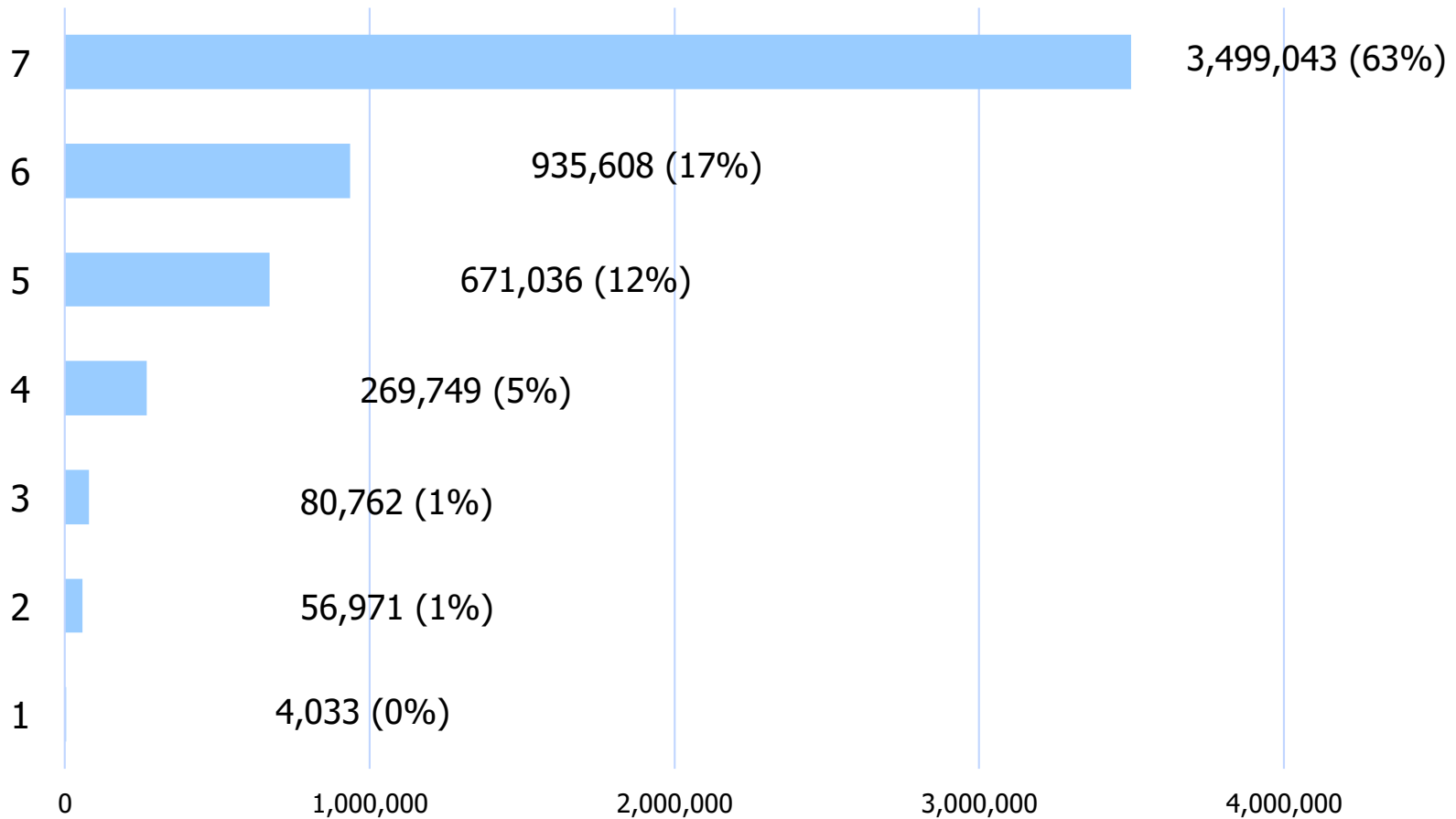
# Industries with the highest share of overall FDI employment





# Europe accounts for most FDI employment

Seven world regions as defined by BEA

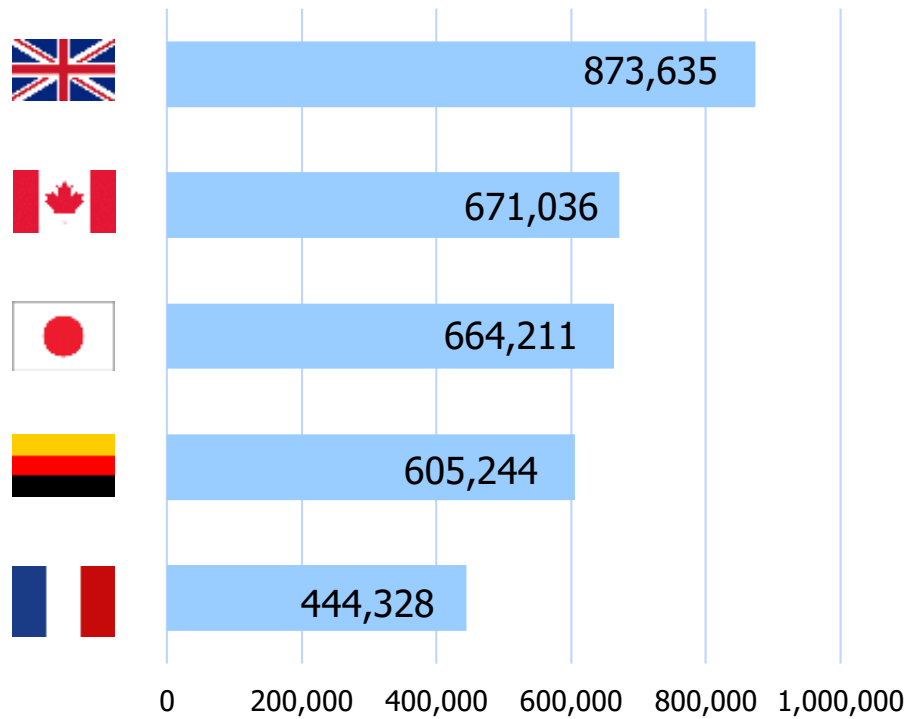


Total employment attributed to companies with foreign ownership: 5,517,202

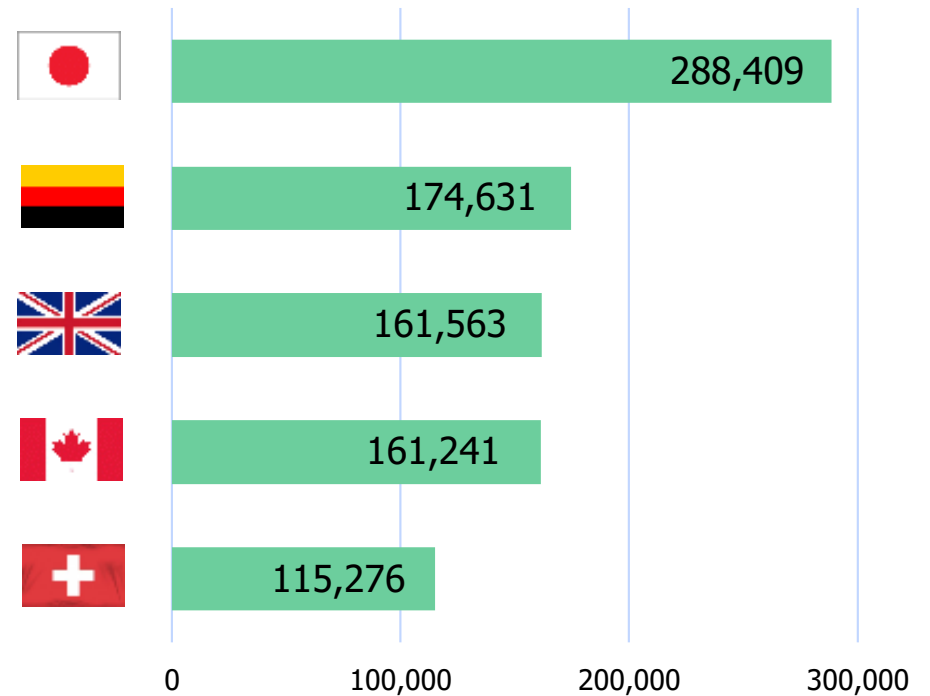


# Top 5 countries with highest level of . . .

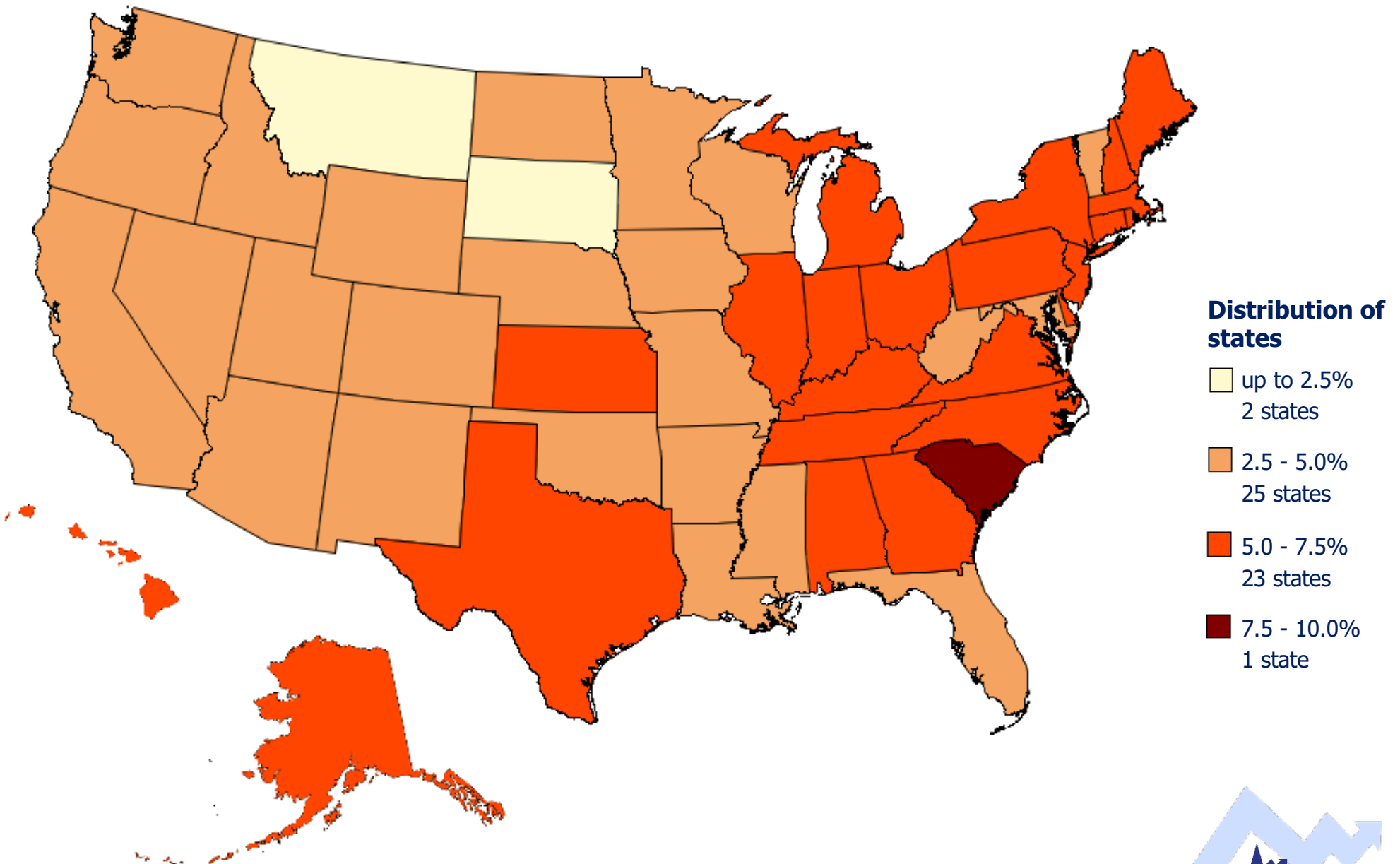
. . . total private employment in companies with foreign ownership



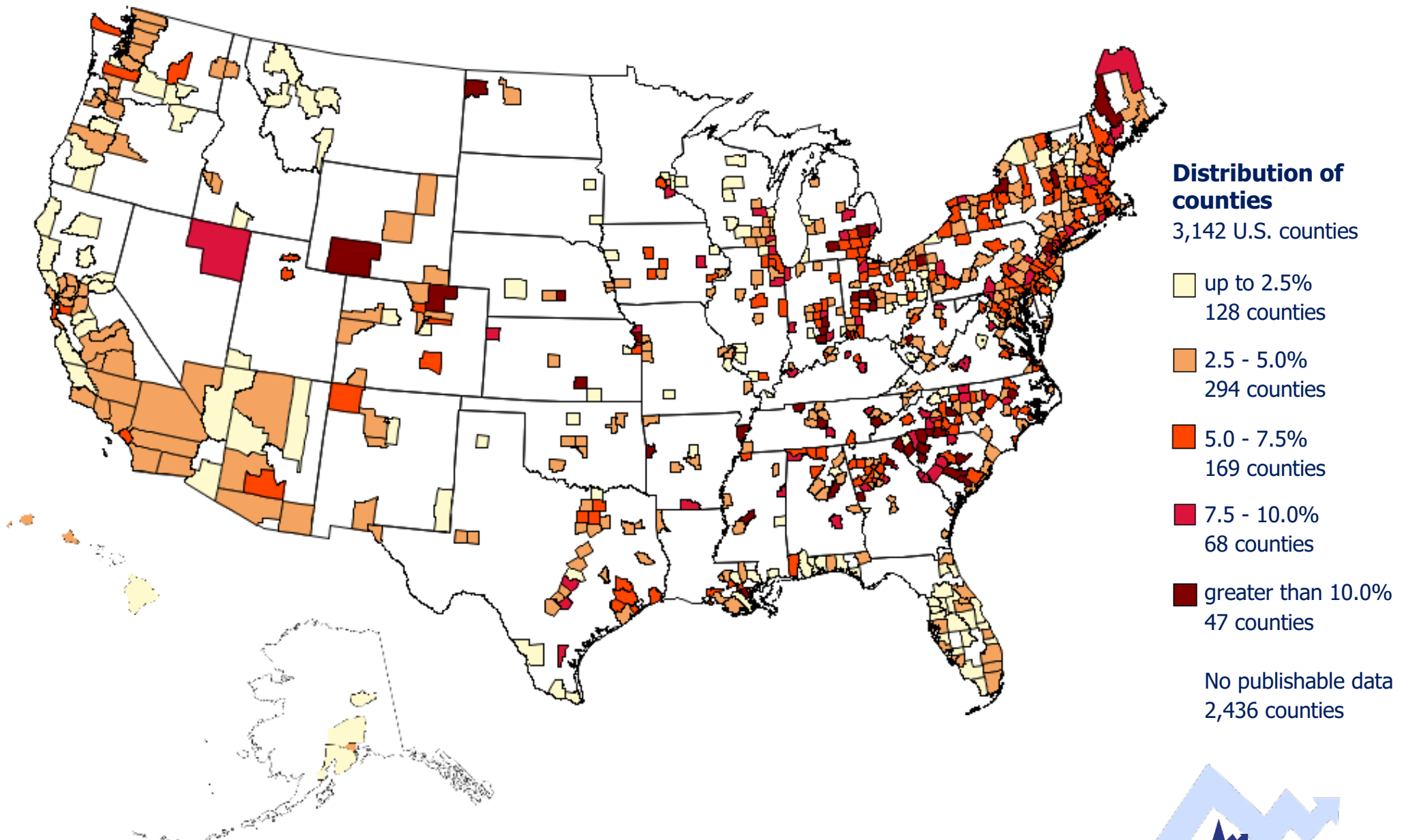
. . . manufacturing employment in companies with foreign ownership



# The East and South have a greater share of employment by companies with foreign ownership

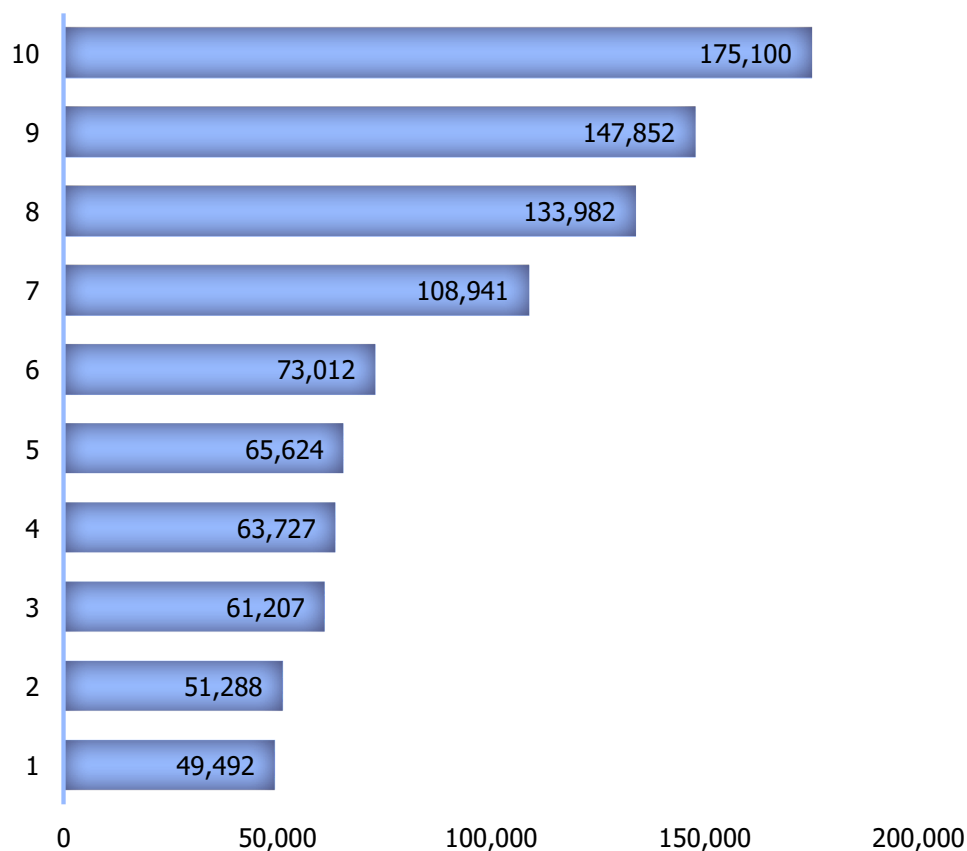


# A county-level view of employment share

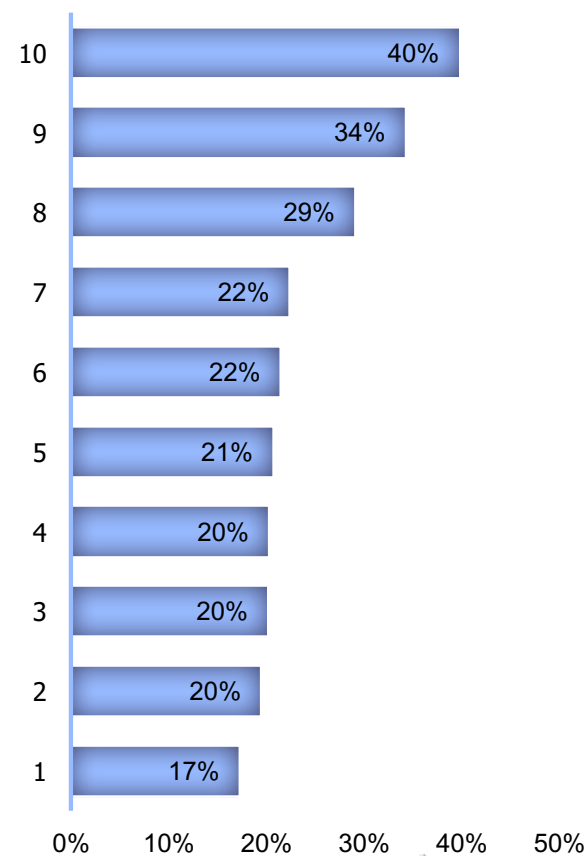


# Ten largest counties in terms of . . .

. . . the highest *level* of employment in companies with foreign ownership



. . . the highest *share* of employment in companies with foreign ownership



# Research Data: Nonprofit Sector

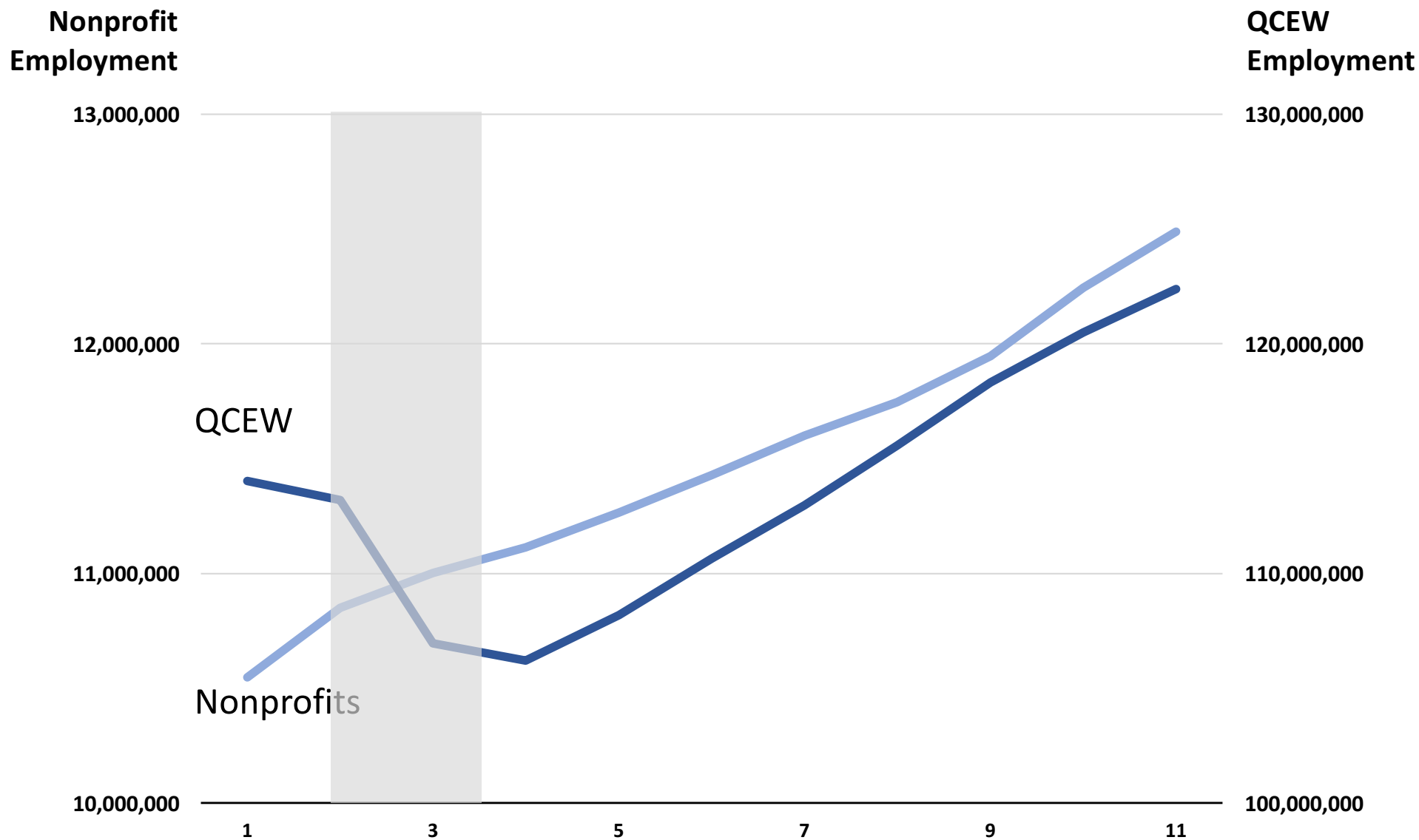


# Highlights

## ■ Nonprofits (501 c 3s):

- Employ 12.5 million workers
  - 10.2% of the workforce
  - \$670 billion in total annual wages
- Pay on average \$53,667 a year
- Health Care and Social Assistance industry accounted for about 67 percent of all 501(c)(3) nonprofit employment.

# Employment in nonprofits grew at a steady rate



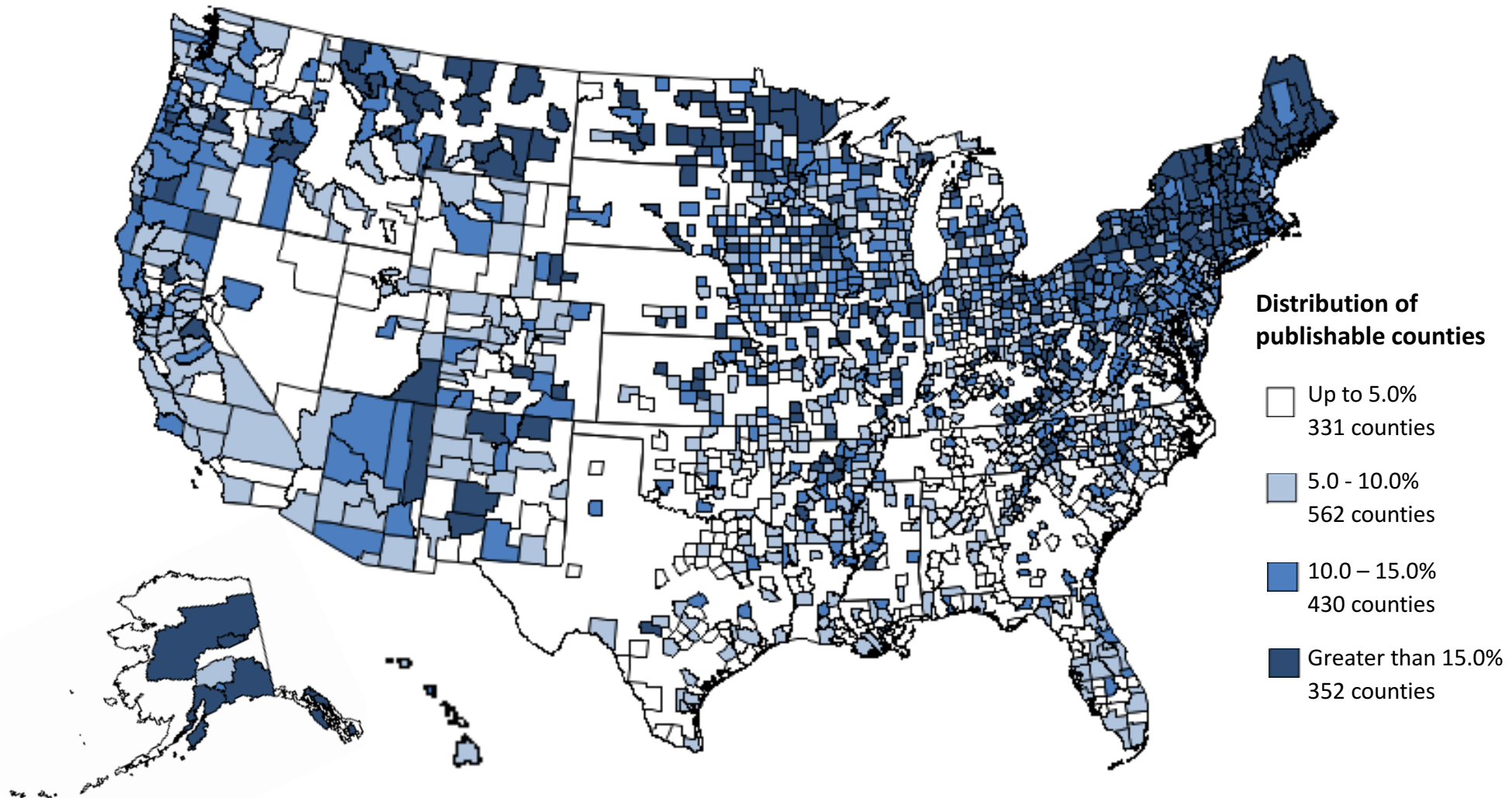




# County-Level Share of Nonprofit Employment in 2017

## Percent of Employment Attributed to Nonprofits

0 - 5%    5 - 10%    10 - 15%    15% and above



# Show me the Data!



Nonprofit Data: <https://www.bls.gov/bdm/nonprofits/nonprofits.htm>

Foreign Direct Investment: <https://www.bls.gov/fdi/>