Agenda

- QCEW general background
- Data acquisition
- Quality and curation
- Linking
- Uses and analysis
- Sustainable, scalable, matchable
- Archiving
QCEW general background

- Essential economic information
  - Number of establishments
  - Monthly employment
  - Total and average wages

- Issued quarterly (frequent)
  - Available 6 months after quarter ends

- Published detail
  - Nation, states, MSAs and counties
  - By 6-digit NAICS industry

- Covers 96.5% of civilian employees
  - U.S., Puerto Rico and U.S. Virgin Islands
Data acquisition

Fed-state cooperative program

- BLS provides funding, training, IT system, quality standards, processing, analysis, enhancements
  - $58 million in FY2016; over half goes to states
  - 100 BLS and 300+ state employees

- State LMI agencies prepare and provide quarterly UI tax micro data
  - Establishment-level
  - Within 15 weeks

- Shared governance council (BLOC)
Quality and curation

- Working together to ensure gold-standard data
  - Acquiring
  - Transforming
  - Reviewing and editing
  - Processing
- Data enhancements
  - Annual Refiling Survey
  - Multiple Worksite Report
  - Linking...
Linking

- Establishments linked across quarters to create longitudinal records
  - Sampling frame for BLS establishment surveys
  - Input to Local Area Unemployment Statistics
  - Source of Business Employment Dynamics (BED) and new variables
    - Births, deaths, expansions, contractions
    - Age, survival rates, firm size
Uses and analysis

- An example of high-quality data BLS provides to inform smart, evidence-based decisions
Uses and analysis – cont’d.

- QCEW’s strong, wide user base
  - Bureau of Economic Analysis
  - Census Bureau
  - Outside researchers—top ranked
  - Programmatic
    - Employment and Training Administration
    - State and local government
  - Private sector
    - Modeling and weighting big data
    - Sales plans and location decisions
    - Forecasts
Map of QCEW uses

General Economic Uses
- Gross Domestic Product (BEA)
- Personal Income (BEA) Largest single input
- State Revenue Projections
- Economic Forecasting

Analytical Uses
- Quarterly Census of Employment and Wages (QCEW)

Programmatic Uses
- UI Tax Rate & Actuarial Analysis
- UI-Covered Employment
- Local Area Unemployment
- Social Security Administration
- Federal Funds Allocation $321 Billion (HUD, USDA, HCFA/CHIP)

Benchmarking (Employment Base)

Current Employment Statistics
Occupational Employment Statistics
Occupational Safety and Health Statistics
Jobs Openings & Labor Turnover Survey

Industrial Price Program
National Compensation Survey
Current Employment Statistics
Occupational Employment Statistics
Occupational Safety and Health Statistics
Job Openings & Labor Turnover Survey

Other Agencies and States:
- NAWS/DOL
- NASS: Rural Innovation Survey
- States: Job Vacancies, Green Jobs Wage and Benefits Surveys

Census Bureau Uses of QCEW
- 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 Million/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

BLS Publications
- QCEW: Quarterly Releases: County by detailed NAICS - 5 month lag
- Annual Employment and Wages
- Special publications/maps
- BED: Job Creation/Destruction
  - Quarterly and Annual
  - Size Class Dynamics
  - Firm and establishment births/deaths
  - Business Survival Rates
  - Monthly Labor Review

Federal Funds Allocation
- HUD, USDA, HCFA/CHIP

$321 Billion

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Some raw textual content that was previously extracted for the document includes:

- UI Tax Rate & Actuarial Analysis
- UI-Covered Employment
- Local Area Unemployment
- Social Security Administration
- Federal Funds Allocation $321 Billion (HUD, USDA, HCFA/CHIP)
Uses and analysis – cont’d.

- Users of BED job dynamics data include:
  - Federal Reserve System
  - Small Business Administration
  - Academics
Sustainable, scalable, matchable

- QCEW can be leveraged for new uses with little to no additional:
  - Respondent burden
  - Cost

- Examples
  - Non-profit economy
  - Hurricane flood zone maps
Sustainable, scalable, matchable – cont’d.

- More initiatives to leverage QCEW
  - Intra-BLS projects
    - Foreign Direct Investment
    - Quarterly Refiling Survey pilot
  - Enterprise data
  - Wage records
Archiving

- Linked micro data
  - 1990-present
  - Confidential
- Unlinked micro data
  - 1975-present
  - Confidential
- Detailed tabulations
  - 1975-present
  - Public website
QCEW bottom line

- Product of robust Fed-state partnership
- Comprehensive, detailed, accurate, relevant and timely
  - Supports decentralized decision-making
  - Cannot be replicated by private sector
  - Underlies key official and nonofficial statistics
  - Serves all parts of country and economy
- Flexible—supporting modernization, add-ons, matching, modeling and upgrades to other programs
QCEW: High-ROI component of our national informational infrastructure
Contact Information

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