QWI Production

Annual LED Partnership Workshop

Washington, DC
March 6, 2009

Walter Kydd
U.S. Census Bureau
Update Topics

- LED Partnership
- QWI Production
- Performance Measures
- Production System
- Emerging Data Infrastructure
## LED Partnership Status

<table>
<thead>
<tr>
<th>Category</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Partners, including DC</td>
<td>51</td>
</tr>
<tr>
<td>Non-Partners (MA, NH)</td>
<td>2</td>
</tr>
<tr>
<td>Total</td>
<td>53</td>
</tr>
</tbody>
</table>
The Operational Model

Local Employment Dynamics
- Historical worker wage records for each business
- Quarterly worker wage records for each business

State Partners

Policy-makers
- Analysts
- Researchers

Public Use

Flagship Product
- Quarterly Workforce Indicators (QWI)

New Products & Services
- QWI Online
- Industry Focus
- OnTheMap
- Profiles of Older Workers
- Com Econ Dev HotReports
  - [Assisting BRAC]
  - [Measuring Innovation]
  - [Emergency Preparedness]
- SIPP Synthetic Beta

Approved Projects at Research Data Centers

Census Bureau

Data Processing and Integration

LEHD Data Infrastructure

Snapshot Extracts
- Restricted Use Files
Two Types of QWI Production

Experimental Production
- After a state joins LED
- Processes historical files via standard procedures
- Waives requirements on time
- State concurrence before Regular Production and public release

Regular Production
- Begins quarterly time requirements on file delivery and QWI production
- Posts QWI results regularly on website for public use
QWI Production Cycle

Day 1
Jan 1, Apr 1
Jul 1, Oct 1

Production Cycle

Last Day
Mar 31, Jun 30
Sep 30, Dec 31

14 days
On-time
Delivery by State

7 days

On-time
Production by LED
<table>
<thead>
<tr>
<th>Category</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regular</td>
<td>46</td>
</tr>
<tr>
<td>Experimental (DC, OH)</td>
<td>2</td>
</tr>
<tr>
<td>Total</td>
<td>48</td>
</tr>
</tbody>
</table>
Performance Measures

On Time Performance for QWI Production

Percent On Time

Census (all states)  Census (ontime states only)  States

Performance Measures

Number of QWI Production States and Processing Days

- States
- Average Number of Days

- Production states
- Avg # Days

Yearly data from 2005Q1 to 2008Q3.
QWI Production System

- Upgrades to server and storage in 2007 and 2008
- Over 8,000 processing hours; 46 states last quarter
Emerging Data Infrastructure

- About 150 million current workers, 190 million current jobs, and 20+ million current employers
- To cover private and public sector jobs and self-employed
- Quarterly data going as far back as 1990
- Currently 6+ billion records and growing
Preparing for the (near) future

- Migration to blade technology in 2009
- Additional servers for test and development environments
Contact Us

General Comments/Suggestions
ces.local.employment.dynamics@census.gov

Production Team
ces.lehd.production.list@census.gov

Local Employment Dynamics Website
http://lehd.did.census.gov