

Local Employment Dynamics

PURPOSE

The U.S. Census Bureau's Longitudinal Employer-Household Dynamics (LEHD) program supports the Local Employment Dynamics (LED) Partnership by encouraging users to embed the LEHD web applications into their websites. This allows for the display of an application's query forms and reports (e.g., tables, maps, and charts) within the context of another website. We encourage this as a means for our LED partners to provide direct access to these applications as an additional means to promote the LED partnership.

The method described in this document is one approach using the HTML <FRAME> or <FRAMESET> tag. This method tends to be the most reliable and simple to implement. However, it does not represent the only or best approach that can be used. Also, LED partners may place a direct link to the URL of the LEHD web application tool instead of embedding.

This Standard Operating Procedure (SOP) describes the general principles, setup, and basic steps to embed the following LEHD analytic tools:

- QWI Online
- Industry Focus
- OnTheMap
- LED Extraction Tool

OPERATING PRINCIPLES

Required Skills

Web administrators should have a basic understanding of HTML and use of the FRAME or FRAMESET tag in order to display a LEHD web application within their website.

Requirements

In order to embed a LEHD web application using the methods described here, the host website must allow for use of HTML frames and provide an acknowledgment to the Census Bureau for the applications. Some states choose to add a disclaimer about how LEHD data differ from other sources.



STANDARD PROCEDURES

Web Page Configuration

When using the <FRAME> or <FRAMESET> tag, it is recommended that a unique frame based web page be established to display the LEHD web application within a website’s standard “look and feel.” Figure 1 is an example frame based web page wire frame that defines the location of the specific content. It is assumed that the host web site’s header, footer, site navigation, etc. will remain the same as on other pages. However, the defined frame area, as shown in this figure, is where the LEHD web application will be displayed.

Header	
Left Side Navigation Menu	LEHD Web Application
Footer	

Figure 1. Example Wire Frame for a Frame Based Web Page

Frame Configuration

Within a standard HTML <FRAME> or <FRAMESET> tag you will use the SRC (i.e., source) attribute in order to display the specific LEHD web application. The URL for these applications are as follows:

- QWI Online – http://lehd.ces.census.gov/applications/qwi_online/AgeSex_FAS.php?state=<2 letter postal state code> where <2 letter postal state code> can, for example, be “MD” for Maryland or “WV” for West Virginia.
- Industry Focus - http://lehd.ces.census.gov/applications/AgeSex_IF.php?state=<2 letter postal state code> where <2 letter postal state code> can, for example, be “MD” for Maryland or “WV” for West Virginia.

Local Employment Dynamics

- OnTheMap - <http://onthemap.ces.census.gov/> Note: OnTheMap should be allowed maximum screen size due to its many features and mapping requirements.
- LED Extraction Tool - <http://ledextract.ces.census.gov/static/data.html> Note: LED Extraction Tool should be allowed maximum screen size due to its many features.

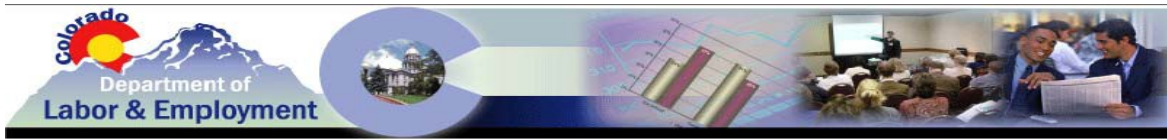
Examples

The following is an example of HTML code for the display of a frame based web page that implements the wire frame shown in Figure 1 and the embedding of the LEHD QWI Online application showing data for the state of Colorado.

```
<HEAD>
<TITLE>Title of Page</TITLE>
</HEAD>
<BODY>
<FRAMESET ROWS="x%, y%, z%" FRAMEBORDER=0 FRAMESPACING=0>
<FRAME SRC="top.html" SCROLLING="NO">
<FRAMESET COLS="xx%" FRAMEBORDER=0 FRAMESPACING=0>
<FRAME SRC="left.html" SCROLLING="NO">
<FRAME SRC=" http://lehd.ces.census.gov/applications/AgeSex_IF.php?state=CO">
</FRAMESET>
<FRAME SRC="bottom.html" SCROLLING="NO">
</FRAMESET>
</BODY>
</HTML>
```

Figure 2, illustrates an example of a website embedded with the QWI Online application.

Local Employment Dynamics



Colorado Labor Market Information

[Colorado LMI Home](#)

LEHD State of Colorado County Reports - Quarterly Workforce Indicators

Select Criteria below. A new report will be created below as selections change.

Year: Geographic Grouping: or [Information by Detailed Industry](#)
 Quarter: County:
 Sex: Industry:
 AgeGroup: Ownership:

[Download Dataset](#) [Print Table](#)

QWI Quick Facts	Adams (Q4)	Adams (Avg:Selected + 3 Prior qtrs)	Colorado (Q4)	Colorado (Avg:Selected + 3 Prior qtrs)
Total Employment	167,134	161,400	2,223,345	2,210,166
Net Job Flows	-2,719	430	-22,975	-5,397
Job Creation	12,751	12,535	212,008	193,177
New Hires	33,344	33,688	452,376	453,810
Separations	45,706	41,514	633,918	584,245
Turnover	13.6%	12.6%	14.5%	13.8%
Avg Monthly Earnings	\$3,704.00	\$3,528.00	\$3,932.00	\$3,782.50
Avg New Hire Earnings	\$2,422.00	\$2,361.00	\$2,526.00	\$2,495.50

[View Detailed Comparison Reports](#)

[For more information](#)

Figure 2. Example Website with QWI Online Embedded

CHANGE CONTROL AND HELP

It should be noted that LEHD may make changes to the application and their locations on our servers. As such, we will do our best to alert users of any changes. If you elect to embed a LEHD web application within your website please let us know of its URL. You can send this to the following email address: CES.Local.Employment.Dynamics@census.gov. You may also use this address for help.