

LEHD Fact Sheet

Quarterly Workforce Indicators: Version 2.2

Purpose

This release provides a major enhancement of the quarterly workforce indicators. Definitions of employment are the same as in version 2.0 (see version history below).

Approach

Personal characteristics come from the updated and enhanced Census Personal Characteristics File (Numident-based). Employer characteristics are imputed from the employment-weighted distribution of establishments within the UI-account at a point in time. Work histories have received the SSN-edit for states for which those edits have been completed (California, Texas). Disclosure-proofing was corrected to eliminate negative flow estimates (caused by large discrepancies between UI-based and ES-202 based employment estimates). All historical data necessary to disclosure-proof county-level estimates were obtained from BLS. The twenty-five original statistics plus two new statistics related to full-quarter new hires were produced quarterly by sex and age group. The complete variable list follows this summary.

What is returned to the state partners?

County-level and SIC-division-level estimates for California (1991:3-1999:4), Florida (1994:2-1999:4), Illinois (1990:1-2000:2), Maryland (1990:1-1999:4), Minnesota (1994:3-2000:4), and Texas (1995:1-1999:4).

Results for all States

All states will be provided with data and user guide on CD ROM.

Supporting documentation

Quarterly Workforce Indicators: Methods Version 2.2 (January 2002)

Version History

Version 1.0 (May 2000): This was an experimental early prototype version prepared for Florida, Maryland, and Illinois only. An individual was employed at a particular UI-account if that person had positive earnings during a given quarter. Personal characteristics (sex and age) were obtained from the Census Numident. Employer characteristics were obtained from the UI-account record of the ES-202 report. Characteristics of multi-units were imputed using the unweighted modal establishment values. Disclosure-proofing used the cell suppression methodology. County-level estimates for all available quarters. SIC-division-level estimates for all available quarters.

Version 2.0 (January 2001): This was the first preproduction version, documented in "The Longitudinal Employer-Household Dynamics Program: Quarterly Workforce Indicators Project" (EDE_methods_V20010117.pdf). Employment was determined as of the beginning and end of each quarter based on an individual having positive earnings at a particular UI-account in the current quarter and the preceding quarter (beginning-of-quarter employment) and/or the current quarter and the subsequent quarter (end-of-quarter employment). An individual was defined as "full-quarter" employed if that person had positive earnings at a particular UI-account in the current quarter, the preceding quarter, and the subsequent quarter. Personal characteristics (sex and age) were obtained from the Census Numident. Employer characteristics were obtained from the UI-account record of the ES-202 report. Characteristics of multi-units were imputed using the unweighted modal establishment values. Twenty-five distinct worker flow, job flow, and earnings estimates were produced (by sex and age group). Disclosure proofing used a two-level procedure: (a) noise infused at the UI-account level and (b) beginning of quarter employment controlled to BLS covered-worker employment for the first month in the quarter. County-level estimates were produced for California (1997:1-1999:4), Florida (1997:1-1998:4), Illinois (1997-1998), and Maryland (1997:1-1999:3). The county-level series could not be disclosure-proofed for earlier years because certain covered-worker series from the BLS were not available. SIC-division level estimates



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were produced for California (1991:3-1999:4), Florida (1997:1-1998:4), Illinois (1990:1-1998:4), and Maryland (1990:1-1999:3).

Version 2.1 (November 2001): This was a maintenance release that fixed a few known problems with version 2.0. Definitions of employment, sources of personal and employer characteristics, statistics computed, and data availability were all the same as in Version 2.0. Disclosure-proofing methodology was corrected to eliminate row-column inconsistencies in the sex by age group breakdown. County-level estimates were produced for California (1997:1-1999:4), Florida (1997:1-1998:4), Illinois (1997:1-1998:4), and Maryland (1997:1-1999:3). SIC-division level estimates were produced for California (1991:3-1999:4), Florida (1997:1-1998:4), Illinois (1990:1-1998:4), and Maryland (1990:1-1999:3).



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 Longitudinal Employer-Household Dynamics Program
 United States Census Bureau
 January 2, 2002

-----Alphabetic List of Variables and Attributes-----

#	Variable	Type	Len	Pos	Label
7	A	Num	8	8	Accessions
34	A_status	Char	2	229	Status: accessions
8	B	Num	8	16	Beginning-of-period employment
35	B_status	Char	2	231	Status: beginning-of-period employment
9	E	Num	8	24	End-of-period employment
36	E_status	Char	2	233	Status: end-of-period employment
10	F	Num	8	32	Full-quarter employment
11	FA	Num	8	40	Flow into full-quarter employment
38	FA_status	Char	2	237	Status: flow into full-quarter employment
12	FJC	Num	8	48	Full-quarter job creation
39	FJC_status	Char	2	239	Status: full-quarter job creation
13	FJD	Num	8	56	Full-quarter job destruction
40	FJD_status	Char	2	241	Status: full-quarter job destruction
14	FJF	Num	8	64	Net change in full-quarter employment
41	FJF_status	Char	2	243	Status: net change in full-quarter employment
15	FS	Num	8	72	Flow out of full-quarter employment
42	FS_status	Char	2	245	Status: flow out of full-quarter employment
37	F_status	Char	2	235	Status: full-quarter employment
16	H	Num	8	80	New hires
17	H3	Num	8	88	Full-quarter new hires
44	H3_status	Char	2	249	Status: full-quarter new hires
43	H_status	Char	2	247	Status: new hires
18	JC	Num	8	96	Job creation
45	JC_status	Char	2	251	Status: job creation
19	JD	Num	8	104	Job destruction
46	JD_status	Char	2	253	Status: job destruction
20	JF	Num	8	112	Net job flows



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47	JF_status	Char	2	255	Status: net job flows
21	R	Num	8	120	Recalls
48	R_status	Char	2	257	Status: recalls
22	S	Num	8	128	Separations
49	S_status	Char	2	259	Status: separations
23	Z_NA	Num	8	136	Average periods of non-employment for accessions
50	Z_NA_status	Char	2	261	Status: average periods of non-employment for accessions
24	Z_NH	Num	8	144	Average periods of non-employment for new hires
51	Z_NH_status	Char	2	263	Status: average periods of non-employment for new hires
25	Z_NR	Num	8	152	Average periods of non-employment for recalls
52	Z_NR_status	Char	2	265	Status: average periods of non-employment for recalls
26	Z_NS	Num	8	160	Average periods of non-employment for separations
53	Z_NS_status	Char	2	267	Status: average periods of non-employment for separations
27	Z_W2	Num	8	168	Average earnings of end-of-period employees
28	Z_W3	Num	8	176	Average earnings of full-quarter employees
54	Z_W2_status	Char	2	269	Status: average earnings of end-of-period employees
55	Z_W3_status	Char	2	271	Status: average earnings of full-quarter employees
29	Z_WFA	Num	8	184	Average earnings of transits to full-quarter status
56	Z_WFA_status	Char	2	273	Status: average earnings of transits to full-quarter status
30	Z_WFS	Num	8	192	Average earnings of separations from full-quarter status
57	Z_WFS_status	Char	2	275	Status: average earnings of separations from full-quarter status
31	Z_WH3	Num	8	200	Average earnings of full-quarter new hires
58	Z_WH3_status	Char	2	277	Status: average earnings of full-quarter new hires
32	Z_dWA	Num	8	208	Average change in total earnings for accessions
59	Z_dWA_status	Char	2	279	Status: average change in total earnings for accessions
33	Z_dWS	Num	8	216	Average change in total earnings for separations
60	Z_dWS_status	Char	2	281	Status: average change in total earnings for separations
6	agegroup	Num	3	289	Age group
3	county	Char	3	224	FIPS County CCC
2	quarter	Num	3	286	Quarter Q
4	sexgroup	Num	8	0	Sex group
5	state	Char	2	227	FIPS State SS
1	year	Num	3	283	Year YYYY



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-----Variables Ordered by Position-----

#	Variable	Type	Len	Label
1	year	Num	3	Year YYYY
2	quarter	Num	3	Quarter Q
3	county	Char	3	FIPS County CCC
4	sexgroup	Num	8	Sex group
5	state	Char	2	FIPS State SS
6	agegroup	Num	3	Age group
7	A	Num	8	Accessions
8	B	Num	8	Beginning-of-period employment
9	E	Num	8	End-of-period employment
10	F	Num	8	Full-quarter employment
11	FA	Num	8	Flow into full-quarter employment
12	FJC	Num	8	Full-quarter job creation
13	FJD	Num	8	Full-quarter job destruction
14	FJF	Num	8	Net change in full-quarter employment
15	FS	Num	8	Flow out of full-quarter employment
16	H	Num	8	New hires
17	H3	Num	8	Full-quarter new hires
18	JC	Num	8	Job creation
19	JD	Num	8	Job destruction
20	JF	Num	8	Net job flows
21	R	Num	8	Recalls
22	S	Num	8	Separations
23	Z_NA	Num	8	Average periods of non-employment for accessions
24	Z_NH	Num	8	Average periods of non-employment for new hires
25	Z_NR	Num	8	Average periods of non-employment for recalls
26	Z_NS	Num	8	Average periods of non-employment for separations
27	Z_W2	Num	8	Average earnings of end-of-period employees
28	Z_W3	Num	8	Average earnings of full-quarter employees
29	Z_WFA	Num	8	Average earnings of transits to full-quarter status
30	Z_WFS	Num	8	Average earnings of separations from full-quarter status
31	Z_WH3	Num	8	Average earnings of full-quarter new hires
32	Z_dWA	Num	8	Average change in total earnings for accessions



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33	Z_dWS	Num	8	Average change in total earnings for separations
34	A_status	Char	2	Status: accessions
35	B_status	Char	2	Status: beginning-of-period employment
36	E_status	Char	2	Status: end-of-period employment
37	F_status	Char	2	Status: full-quarter employment
38	FA_status	Char	2	Status: flow into full-quarter employment
39	FJC_status	Char	2	Status: full-quarter job creation
40	FJD_status	Char	2	Status: full-quarter job destruction
41	FJF_status	Char	2	Status: net change in full-quarter employment
42	FS_status	Char	2	Status: flow out of full-quarter employment
43	H_status	Char	2	Status: new hires
44	H3_status	Char	2	Status: full-quarter new hires
45	JC_status	Char	2	Status: job creation
46	JD_status	Char	2	Status: job destruction
47	JF_status	Char	2	Status: net job flows
48	R_status	Char	2	Status: recalls
49	S_status	Char	2	Status: separations
50	Z_NA_status	Char	2	Status: average periods of non-employment for accessions
51	Z_NH_status	Char	2	Status: average periods of non-employment for new hires
52	Z_NR_status	Char	2	Status: average periods of non-employment for recalls
53	Z_NS_status	Char	2	Status: average periods of non-employment for separations
54	Z_W2_status	Char	2	Status: average earnings of end-of-period employees
55	Z_W3_status	Char	2	Status: average earnings of full-quarter employees
56	Z_WFA_status	Char	2	Status: average earnings of transits to full-quarter status
57	Z_WFS_status	Char	2	Status: average earnings of separations from full-quarter status
58	Z_WH3_status	Char	2	Status: average earnings of full-quarter new hires
59	Z_dWA_status	Char	2	Status: average change in total earnings for accessions
60	Z_dWS_status	Char	2	Status: average change in total earnings for separations

