Table V: Description of Employment Variables

Name	Definition	Data Type	Possible Values	Required?
area_fips	County FIPS	Text	05123, 01041, 56045	Yes
own_code	1-character Ownership code	Text	0, 1, 2, 3, 4, 5, 8, 9	No
industry_code	NAICS industry code	Text	49111, 92, 522298	No
agglvl_code	Code for aggregation level	Text	74, 77, 78	No
size_code	Establishment size code	Text	0	No
year	Census year	Text	2020, 2021, 2022	Yes
qtr	Fiscal quarter (always A for annual)	Text	A	No
disclosure_code	1-character disclosure code	Text	""(blank), N	No
area_title	County name (based on area_fips)	Text	St. Francis County, Arkansas; Crenshaw County, Alabama; Weston County, Wyoming	No
own_title	Type of ownership (based on own_code)	Text	Federal Government, State Government, Private	No
industry_title	Industry title (based on industry_code)	Text	NAICS 49111 Postal service; NAICS 92 Public administration; NAICS 522298 All other nondepository credit intermediation	No
agglvl_title	Title of level of aggregation (based on agglvl_code)	Text	County, NAICS Sector -- by ownership sector; County, NAICS	No

			5-digit -- by ownership sector; County, NAICS 6-digit -- by ownership sector	
size_title	Size title (based on size_code)	Text	All establishment sizes	No
annual_avg_ estabs	Annual average of quarterly establishment counts for a given year*	Numeric	385, 109, 254	No
annual_avg_ emplvl	Annual average of monthly employment levels for a given year*	Numeric	4756, 1231, 2149	Yes
total_annual _wages	Total wages for the fiscal year	Numeric	217856056, 82305381, 101598481	Yes
taxable_ann ual_wages	Sum of the four quarterly total taxable wage totals for a given year*	Numeric	36984510, 10206971, 39354459	Yes
annual_contr ibutions	Sum of the four quarterly contribution totals for a given year*	Numeric	567653, 100344, 946941	No
annual_avg_ wkly_wage	Average weekly wage based on the 12-monthly employment levels and total annual wage levels*	Numeric	881, 1286, 909	Yes
avg_annual_ pay	Average annual pay based on employment and wage levels for a given year*	Numeric	45809, 66865, 47270	Yes
lq_disclosure _code	1-character location-quotient disclosure code*	Text	""(blank), N	No

lq_annual_avg_estabs	Location quotient of annual average establishment count relative to the U.S. (Rounded to hundredths place)*	Numeric	1	No
lq_annual_avg_emplvl	Location quotient of annual average employment relative to the U.S. (Rounded to hundredths place)*	Numeric	1	No
lq_total_annual_wages	Location quotient of total annual wages relative to the U.S. (Rounded to hundredths place)*	Numeric	1	No
lq_taxable_annual_wages	Location quotient of taxable annual wages relative to the U.S. (Rounded to hundredths place)*	Numeric	1	No
lq_annual_contributions	Location quotient of total annual contributions relative to the U.S. (Rounded to hundredths place)*	Numeric	1	No
lq_annual_avg_wkly_wage	Location quotient of annual average weekly wage relative to the U.S. (Rounded to hundredths place)*	Numeric	1	No
lq_avg_annual_pay	Location quotient of annual average pay relative to the U.S. (Rounded to hundredths place)*	Numeric	1	No
oty_disclosure_code	1-character over-the-year disclosure code (either ' '(blank) or 'N' not	Text	""(blank), N	No

	disclosed)*			
oty_annual_avg_estabs_chg	Over-the-year change in annual average establishments for a given year*	Numeric	15, -8	
oty_annual_avg_estabs_pct_chg	Over-the-year percent change in annual average establishments for a given year (Rounded to the tenths place)*	Numeric	4.1, -6.8, -3.1	No
oty_annual_avg_emplvl_chg	Over-the-year change in annual average employment for a given year*	Numeric	103, -58, -17	No
oty_annual_avg_emplvl_pct_chg	Over-the-year percent change in annual average employment for a given year (Rounded to the tenths place)*	Numeric	2.2, -4.5, -0.8	Yes
oty_total_annual_wages_chg	Over-the-year change in the total annual wages for a given year*	Numeric	3927403, 3743942, 2850032	No
oty_total_annual_wages_pct_chg	Over-the-year percent change in total annual wages for a given year (Rounded to the tenths place)*	Numeric	1.8, 4.8, 2.9	No
oty_taxable_annual_wages_chg	Over-the-year change in taxable annual wages for a given year*	Numeric	66827, -603070, 3088805	No
oty_taxable_annual_wages_pct_chg	Over-the-year percent change in taxable annual wages for a given year (Rounded to the tenths place)*	Numeric	0.2, -5.6, 8.5	No

oty_annual_contributions_chg	Over-the-year change in annual contributions for a given year*	Numeric	19847, -16026, 143365	No
oty_annual_contributions_pct_chg	Over-the-year percent change in annual contributions for a given year (Rounded to the tenths place)*	Numeric	3.6, -13.8, 17.8	No
oty_annual_avg_wkly_wage_chg	Over-the-year change in annual average weekly wage for a given year*	Numeric	-3, 114, 32	No
oty_annual_avg_wkly_wage_pct_chg	Over-the-year percent change in annual average weekly wage for a given year (Rounded to the tenths place)*	Numeric	-0.3, 9.7, 3.6	Yes
oty_avg_annual_pay_chg	Over-the-year change in average annual pay for a given year*	Numeric	-165, 5933, 1676	No
oty_avg_annual_pay_pct_chg	Over-the-year percent change in average annual pay for a given year (Rounded to the tenths place)*	Numeric	-0.4, 9.7, 3.7	Yes

* This definition is taken from the U.S. Department of Labor Statistics QCEW annual field layout

- We can use the area_FIPS variable to merge data with the COVID dataset.
- We could look at the correlation between Employment levels and wages and COVID infection and death rates
- Hypothesis questions:
  - Is there a correlation between employment levels and COVID infection/death rates?
  - Is there a correlation between wages and COVID infection/death rates?