Economic Analysis Results

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State-Level Analysis

Summary Statistics

Table 1: State Summary Statistics

State	Avg Employment	Avg Wage	N Industries	Wage Inequality
California	7668.04	57175.89	22	6.89
Texas	5236.86	51473.31	22	7.14
New York	4127.09	56180.00	22	10.94
Florida	3856.16	49961.29	22	6.50
Pennsylvania	2750.83	48151.59	22	7.41
Illinois	2749.72	52662.52	22	6.41
Ohio	2489.80	45752.85	22	7.83
North Carolina	2016.18	47139.16	22	6.98
Michigan	2003.73	45524.29	22	7.74
Georgia	1970.59	49887.27	22	6.49
New Jersey	1944.26	63127.32	22	7.19
Virginia	1842.35	56735.86	22	6.76
Massachusetts	1576.84	59204.80	22	8.39
Washington	1529.82	56146.79	22	10.46
Indiana	1404.92	43787.28	22	8.25
Maryland	1348.49	59782.41	22	8.74
Wisconsin	1343.74	43631.13	22	7.90
Tennessee	1326.04	44991.17	22	8.44
Missouri	1289.97	44573.92	22	8.06
Arizona	1286.39	48093.62	22	5.62
Minnesota	1277.77	48584.11	22	8.46
Colorado	1221.92	54220.22	22	7.36

South Carolina	959.02	43406.21	22	7.86
Alabama	912.06	44807.04	22	8.62
Kentucky	878.79	43459.22	22	13.09
Louisiana	850.09	45991.25	22	8.56
Oregon	827.41	47465.65	22	7.80
Connecticut	805.65	64486.36	22	12.28
Oklahoma	740.63	41714.74	22	11.75
Iowa	725.96	41313.01	22	13.41
Kansas	640.82	43661.49	22	10.66
Utah	632.65	46362.48	22	7.13
Nevada	571.84	50973.65	22	7.21
Arkansas	558.45	41523.67	22	9.82
Mississippi	528.29	41355.05	22	11.19
Nebraska	442.18	41983.83	22	7.07
New Mexico	363.88	41993.05	22	66.37
Idaho	329.57	41310.17	22	15.09
West Virginia	329.07	41168.94	22	9.30
Hawaii	321.86	47535.00	22	41.04
New Hampshire	321.24	51718.14	22	14.41
Maine	280.85	43236.03	22	16.24
Rhode Island	238.08	50333.57	22	20.11
Montana	215.75	39864.67	22	12.50
South Dakota	199.50	37919.99	22	14.66
Delaware	189.16	51617.12	22	15.68
North Dakota	177.84	42521.57	22	8.29
District of Columbia	162.64	75300.17	22	33.00
Vermont	152.13	41557.21	22	Inf
Alaska	137.75	48098.43	22	10.54
Wyoming	133.17	42006.56	22	8.29

COVID Impact by State

Table 2: COVID Impact Estimates by State

State	Pre-COVID Emp	Post-COVID Emp	Emp Change (%)
Louisiana	910.429	787.937	-13.454
Georgia	2228.190	1938.556	-12.999
Texas	6060.238	5287.238	-12.755
Florida	4418.381	3859.143	-12.657
Mississippi	568.571	497.524	-12.496
Rhode Island	257.000	225.921	-12.093
West Virginia	347.714	309.825	-10.897

North Carolina	2276.952	2055.937	-9.707
New York	4569.857	4138.381	-9.442
Nevada	656.286	596.349	-9.133
South Carolina	1085.048	986.270	-9.104
California	8678.048	7929.190	-8.629
District of Columbia	196.200	179.328	-8.599
Massachusetts	1773.000	1621.873	-8.524
Arkansas	608.429	558.190	-8.257
Tennessee	1490.762	1374.857	-7.775
Arizona	1474.667	1361.095	-7.701
Oregon	937.857	866.063	-7.655
Connecticut	861.143	796.984	-7.450
New Jersey	2132.333	1973.540	-7.447
Ohio	2706.524	2510.286	-7.251
New Mexico	388.048	360.403	-7.124
Virginia	2017.810	1874.730	-7.091
Washington	1772.667	1654.698	-6.655
Alabama	993.333	927.889	-6.588
Delaware	207.048	193.889	-6.355
Indiana	1530.429	1433.317	-6.345
Maryland	1452.000	1361.778	-6.214
New Hampshire	344.000	323.111	-6.072
Colorado	1413.286	1334.111	-5.602
Kentucky	949.857	896.730	-5.593
Wyoming	141.000	133.533	-5.296
North Dakota	192.810	184.794	-4.157
Missouri	1380.095	1323.000	-4.137
Illinois	2904.095	2787.810	-4.004
Michigan	2180.667	2093.714	-3.987
Kansas	688.143	660.905	-3.958
South Dakota	214.952	207.460	-3.485
Vermont	159.905	154.730	-3.236
Pennsylvania	2950.571	2866.095	-2.863
Maine	302.905	294.444	-2.793
Wisconsin	1414.714	1380.889	-2.391
Minnesota	1366.238	1336.365	-2.187
Iowa	766.905	756.889	-1.306
Alaska	140.667	138.968	-1.207
Oklahoma	773.571	765.095	-1.096
Nebraska	471.667	466.762	-1.040
Montana	233.667	232.524	-0.489
Idaho	368.286	372.571	1.164

Utah	735.476	756.857	2.907
Hawaii	337.238	350.393	3.901

Wage Inequality Changes

Table 3: Changes in Wage Inequality by State

State	Pre-COVID Inequality	Post-COVID Inequality	Change (%)
Alabama	4.959	5.340	7.674
Alaska	5.557	5.009	-9.856
Arizona	3.580	3.813	6.529
Arkansas	5.560	4.400	-20.850
California	4.146	5.049	21.782
Colorado	4.685	4.419	-5.682
Connecticut	6.580	7.894	19.966
Delaware	5.983	4.426	-26.022
District of Columbia	6.316	5.338	-15.485
Florida	3.708	3.913	5.508
Georgia	4.590	3.758	-18.128
Hawaii	4.755	3.818	-19.707
Idaho	5.293	5.985	13.085
Illinois	4.751	4.321	-9.042
Indiana	5.170	4.880	-5.607
Iowa	6.406	4.452	-30.497
Kansas	5.278	4.723	-10.526
Kentucky	4.949	5.583	12.815
Louisiana	4.366	5.125	17.394
Maine	7.001	5.943	-15.116
Maryland	4.335	4.341	0.123
Massachusetts	4.641	5.144	10.832
Michigan	5.366	4.685	-12.682
Minnesota	5.162	5.140	-0.425
Mississippi	4.972	6.429	29.318
Missouri	5.064	5.102	0.745
Montana	5.138	4.010	-21.963
Nebraska	5.026	4.373	-12.976
Nevada	3.859	3.328	-13.752
New Hampshire	5.808	4.550	-21.666
New Jersey	4.857	5.368	10.532
New Mexico	6.763	4.243	-37.263
New York	5.694	5.782	1.531
North Carolina	4.546	4.704	3.477

North Dakota	5.340	4.623	-13.430
Ohio	4.915	4.842	-1.473
Oklahoma	4.919	5.816	18.235
Oregon	4.890	3.882	-20.615
Pennsylvania	4.760	5.283	10.970
Rhode Island	5.329	4.158	-21.977
South Carolina	4.165	4.306	3.370
South Dakota	4.885	4.101	-16.042
Tennessee	4.795	4.043	-15.680
Texas	5.159	5.054	-2.023
Utah	4.468	4.777	6.924
Vermont	Inf	Inf	
Virginia	4.756	4.987	4.855
Washington	4.618	5.201	12.607
West Virginia	4.885	4.329	-11.373
Wisconsin	4.800	4.766	-0.714
Wyoming	4.755	4.050	-14.836

Regression Analysis

Model Specifications

- 1. $log(employment) = b + b covid_period + FE_state + FE_industry$
- 2. log(wage) = b + b covid_period + FE_state + FE_industry
- 3. $log(wage) = b + b industry_share + FE_state + FE_industry + FE_year$
- 4. wage_premium = b + b lag_premium + FE_state + FE_industry
- 5. $pct_change = b + b lag_pct_change + b log(industry_size) + FE_state + FE_industry + FE_year$
- 6. $\log(\text{wage_ratio}) = b + b \log(\text{employment_concentration}) + b \log(\text{total_employment}) + FE_\text{state} + FE_\text{year}$

Table 4: Regression Results

	Employment (COVID)	Wages (COVID)	Wages (Concentration)	Wage Premium	Employment Growth	Wage Inequality
COVID Period	0.071***	0.224***				
	(0.009)	(0.005)				
Industry Share			1.676***			
			(0.245)			
Lagged Premium				-0.034**		
				(0.012)		
Lagged % Change					-0.129***	
					(0.011)	
Industry Size					-0.148***	
					(0.019)	
Log Emp Concentration						0.370*
						(0.172)
Log Total Employment						0.043
						(0.167)
Num.Obs.	17643	17641	17641	16827	15399	814
R2	0.899	0.829	0.867	0.729	0.147	0.253

Significance levels: * p<0.1, ** p<0.05, *** p<0.01 Standard errors in parentheses

Pooled Regression Results