



# Expanding Demographic Information: August 2019

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## Implementing AB 354 (2017), Using LEHD Demographic Data, and Providing UI Wage Record Analysis to Build Local Area Data

Research & Analysis Bureau

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# Unemployment Among Vulnerable Populations

Source: U.S. Census Bureau, American Community Survey, 2013-2017 Average

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Last session, AB 354 amended the responsibilities of DETR and the Governor's Workforce Development Board to track unemployment by county for various demographic groups (DETR), and to direct workforce services toward those groups with higher-than-average unemployment according to three different triggers (GWDB):

1. The unemployment rate for a group is double that of the area as a whole.
2. The unemployment rate for a group is four percentage points higher than the area as a whole.
3. The unemployment rate for a group has been higher than the area as a whole for 3 consecutive years.

In order to produce this report, we have to use a 5-year average unemployment rate by county from the U.S. Census Bureau, the American Community Survey. Even then, there are some significant margins of error involved.

# Unemployment Among Vulnerable Populations

Source: U.S. Census Bureau, American Community Survey, 2013-2017 Average

Most Current Data As Of:		2017														Statewide	Southern Area	Northern Area				
		Carson City	Churchill County	Clark County	Douglas County	Elko County	Esmeralda County	Eureka County	Humboldt County	Lander County	Lincoln County	Lyon County	Mineral County	Nye County	Pershing County				Storey County	Washoe County	White Pine County	
All Unemployed People, Orange Indicates High Unemployment Rate	Population	County Total: Ages 16+	2,032	837	89,415	1,374	1,219	18	0	661	221	184	2,289	437	1,871	97	78	16,050	236	117,019	91,488	25,531
		County Total: Ages 20-64	1,709	714	77,427	1,031	978	3	0	483	223	92	1,947	414	1,611	96	73	13,466	116	100,383	79,133	21,250
		County Total: Ages 25-64	1,285	583	63,668	863	804	3	0	350	118	93	1,688	365	1,400	86	44	10,606	118	82,074	65,164	16,910
	Age	16-19	216	83	8,770	200	189	15	0	169	0	91	161	22	181	0	0	1,765	67	11,929	9,057	2,872
		20-64	411	141	13,432	168	184	0	0	133	104	0	245	50	211	11	30	2,832	0	17,952	13,643	4,309
		25-29	105	110	11,806	99	118	0	0	57	10	0	349	85	260	35	0	1,817	16	14,867	12,066	2,801
		30-34	69	61	9,161	178	112	0	0	37	0	0	229	180	273	16	0	1,430	46	11,792	9,434	2,358
		35-44	435	66	17,142	193	218	0	0	133	8	59	400	53	206	5	12	2,425	33	21,388	17,407	3,981
		45-54	302	220	15,224	177	163	0	0	60	65	0	540	13	326	27	24	3,046	21	20,208	15,550	4,658
		55-59	266	86	6,533	150	111	3	0	33	0	28	88	24	217	2	8	1,066	1	8,616	6,781	1,835
		60-64	117	36	3,883	71	74	0	0	31	35	5	88	9	116	0	0	822	0	5,287	4,004	1,283
		65-74	104	38	2,774	123	31	0	0	7	0	0	141	0	67	0	5	614	45	3,949	2,841	1,108
	75+	13	8	524	9	20	0	0	0	0	0	44	0	19	0	0	163	5	805	543	262	
	Race/Ethnicity (Age 16 or Older)	White, Not Hispanic or Latino	1,225	601	36,615	972	763	15	0	351	135	183	1,682	251	1,632	51	64	9,336	138	54,014	38,445	15,569
		Black	2	13	16,303	22	0	0	0	0	0	0	87	0	0	0	10	531	0	16,968	16,303	665
		Hispanic	698	40	25,872	319	282	3	0	277	54	0	326	32	170	24	5	4,134	41	32,277	26,045	6,232
		American Indian & Alaska Native	91	113	703	49	124	0	0	33	32	0	83	185	72	23	0	624	39	2,171	775	1,396
		Asian	12	37	6,613	0	0	0	0	0	0	0	40	0	5	0	0	742	10	7,459	6,618	841
		Pacific Islander or Native Hawaiian	0	0	759	0	6	0	0	0	0	0	13	0	0	0	0	113	5	896	759	137
		Some Other Race	255	0	10,189	133	0	0	0	13	29	0	128	0	121	9	0	1,184	0	12,061	10,310	1,751
		Two or More Races	62	29	4,342	11	55	0	0	0	0	0	77	0	15	0	0	875	0	5,466	4,357	1,109
	Gender & Children (Age 20-64)	Male	898	413	42,115	598	619	0	0	211	167	59	1,008	232	738	51	67	8,103	69	55,348	42,912	12,436
		Female	808	299	35,311	430	362	3	0	270	55	33	927	182	874	45	6	5,391	47	45,043	36,221	8,822
		Female, With Children 0-17	254	100	12,073	166	124	0	0	98	34	0	357	24	242	24	0	1,622	46	15,164	12,315	2,849
		Female, With Children 0-5	17	53	3,278	12	25	0	0	38	32	0	80	5	87	1	0	490	0	4,118	3,365	753
		Female, With Children 0-5 & 6-17	96	2	2,644	21	45	0	0	17	0	0	100	19	39	16	0	484	0	3,483	2,683	800
		Female, With Children 6-17	141	46	6,197	135	54	0	0	43	2	0	178	0	117	7	0	644	46	7,610	6,314	1,296
Education (Age 25-64)	Less than HS	235	103	10,891	86	184	3	0	40	2	0	257	29	360	38	0	1,584	46	13,858	11,254	2,604	
	HS or equiv	535	246	21,554	254	273	0	0	89	69	31	632	252	498	25	6	3,200	49	27,713	22,083	5,630	
	Some college or Associate deg	324	171	21,546	319	257	0	0	192	47	28	689	43	527	11	15	3,662	22	27,853	22,101	5,752	
	Bachelor's degree or higher	203	56	9,848	203	83	0	0	29	0	33	116	40	11	11	23	2,187	0	12,843	9,892	2,951	
Poverty Status (Age 20-64)	Below poverty level	578	252	26,070	236	334	0	0	99	26	5	545	81	968	66	14	4,528	58	33,860	27,043	6,817	
	At or above poverty level	1,122	433	51,471	798	636	3	0	386	197	87	1,399	333	647	31	60	8,974	60	66,637	52,208	14,429	
Other (20-64)	People with any disability	379	91	9,452	103	196	0	0	23	40	0	302	14	350	7	2	1,559	24	12,542	9,802	2,740	

# Tracking Employment Activity by Demographic Profile

Source: U.S. Census Bureau, Longitudinal Employment-Household Dynamics

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Moving from unemployment to employment, we are working on ways to better present and analyze the LEHD data set from the U.S. Census Bureau. This combines wage data from the states with Census demographic data to get a very detailed picture of employment activity for different demographic groups, which can be further broken out by industry.

Due to the lag times for processing, complete data is only currently available through 3<sup>rd</sup> quarter 2018 (but compared to a 2013-2017 average, this is much more timely!). This data is available at a statewide, county, MSA, or workforce board level, though tighter geographic boundaries will mean more data gets suppressed if it does not meet Census Bureau publication standards.

# Tracking Employment Activity by Demographic Profile

Source: U.S. Census Bureau, Longitudinal Employment-Household Dynamics

## Employer-Household Dynamics Data for All Industries Industry in Nevada, Quarter 3, 2017

Prepared by DETR's Research & Analysis Bureau

LEHD data from U.S. Census Bureau, <https://lehd.ces.census.gov/data/>

Totals	Employed for Full Quarter	Hired During Quarter, Remained to next Quarter	Hiring Rate	Employed last Quarter, Separated this Quarter	Separation Rate	Turnover Rate	Monthly Earnings, Stable Employment	Monthly Earnings, New Hires	Monthly Earnings, Separated Employees
All	1,135,843	186,886	14.2%	171,470	13.0%	9.9%	\$4,069	\$2,658	\$2,846
Male	586,653	98,360	14.4%	91,803	13.5%	10.3%	\$4,659	\$3,009	\$3,233
Female	549,190	88,526	14.0%	79,667	12.6%	9.5%	\$3,437	\$2,263	\$2,395
14-18	15,393	12,806	48.0%	9,733	36.5%	32.6%	\$1,025	\$944	\$927
19-21	43,978	18,224	29.3%	18,012	29.0%	22.5%	\$1,601	\$1,535	\$1,400
22-24	58,802	18,343	24.1%	16,468	21.6%	17.6%	\$2,293	\$2,049	\$1,844
25-34	244,622	50,972	17.4%	44,699	15.3%	12.1%	\$3,427	\$2,665	\$2,581
35-44	253,766	35,440	12.3%	31,440	10.9%	8.5%	\$4,529	\$3,244	\$3,375
45-54	255,465	27,125	9.6%	25,121	8.9%	7.0%	\$4,855	\$3,378	\$3,550
55-64	191,126	16,413	7.9%	17,349	8.3%	6.5%	\$4,704	\$3,331	\$3,594
65-99	72,692	7,562	9.4%	8,649	10.7%	8.2%	\$3,770	\$2,415	\$3,228
Less than high school	185,738	28,468	13.4%	25,949	12.2%	9.5%	\$3,215	\$2,541	\$2,519
High school or equivalent, no college	256,771	37,133	12.7%	34,478	11.8%	9.1%	\$3,757	\$2,790	\$2,839
Some college or Associate degree	323,876	42,849	11.7%	40,166	11.0%	8.5%	\$4,212	\$2,996	\$3,092
Bachelor's degree or advanced degree	251,286	29,063	10.4%	26,664	9.6%	7.6%	\$5,871	\$3,840	\$4,293
Educational attainment not available (workers aged 24 or younger)	118,173	49,373	29.9%	44,213	26.8%	21.4%	\$1,870	\$1,600	\$1,514
White Alone	846,240	132,376	13.6%	123,351	12.7%	9.7%	\$4,263	\$2,770	\$3,013
Black or African American Alone	110,829	26,896	19.8%	23,269	17.1%	12.6%	\$3,090	\$2,119	\$2,148
American Indian or Alaska Native Alone	17,417	3,458	16.6%	3,366	16.2%	12.2%	\$3,280	\$2,361	\$2,462
Asian Alone	115,048	14,555	11.3%	12,980	10.1%	8.0%	\$3,958	\$2,812	\$2,749
Native Hawaiian or Other Pacific Islander	8,894	1,666	16.0%	1,426	13.7%	10.5%	\$3,247	\$2,289	\$2,399
Two or More Race Groups	37,414	7,937	17.7%	7,078	15.8%	12.2%	\$3,485	\$2,340	\$2,384
Not Hispanic or Latino	839,433	134,696	13.9%	125,460	12.9%	9.7%	\$4,403	\$2,809	\$3,045
Hispanic or Latino	296,410	52,190	15.1%	46,010	13.3%	10.6%	\$3,124	\$2,275	\$2,312

# Tracking Employment Activity by Demographic Profile

Source: U.S. Census Bureau, Longitudinal Employment-Household Dynamics

Percent of Total in All Industries	Employed for Full Quarter	Hired During Quarter, Remained to next Quarter	Hiring Rate	Separation Rate	Turnover Rate
Male	52%	53%	101%	104%	104%
Female	48%	47%	99%	97%	96%
14-18	1%	7%	338%	281%	329%
19-21	4%	10%	206%	223%	227%
22-24	5%	10%	170%	166%	178%
25-34	22%	27%	123%	118%	122%
35-44	22%	19%	87%	84%	86%
45-54	22%	15%	68%	68%	71%
55-64	17%	9%	56%	64%	66%
65-99	6%	4%	66%	82%	83%
Less than high school	16%	15%	94%	94%	96%
High school or equivalent, no college	23%	20%	89%	91%	92%
Some college or Associate degree	29%	23%	82%	85%	86%
Bachelor's degree or advanced degree	22%	16%	73%	74%	77%
Educational attainment not available	10%	26%	211%	206%	216%
White Alone	75%	71%	96%	98%	98%
Black or African American Alone	10%	14%	139%	132%	127%
American Indian or Alaska Native Alone	2%	2%	117%	125%	123%
Asian Alone	10%	8%	80%	78%	81%
Native Hawaiian or Other Pacific Islander	1%	1%	113%	105%	106%
Two or More Race Groups	3%	4%	125%	122%	123%
Not Hispanic or Latino	74%	72%	98%	99%	98%
Hispanic or Latino	26%	28%	106%	102%	107%

# Tracking Employment Activity by Demographic Profile

Source: U.S. Census Bureau, Longitudinal Employment-Household Dynamics

Percent of Total in Health Care and Social Assistance	Employed for Full Quarter	Hired During Quarter, Remained to next Quarter	Hiring Rate	Separation Rate	Turnover Rate
Male	26%	24%	96%	92%	98%
Female	74%	76%	102%	102%	101%
14-18	0%	2%	398%	399%	379%
19-21	3%	7%	221%	216%	227%
22-24	5%	9%	174%	162%	170%
25-34	24%	30%	125%	113%	120%
35-44	24%	21%	89%	89%	91%
45-54	22%	16%	75%	77%	79%
55-64	17%	10%	60%	72%	71%
65-99	6%	4%	70%	90%	84%
Less than high school	12%	13%	108%	106%	111%
High school or equivalent, no college	20%	19%	98%	98%	101%
Some college or Associate degree	31%	27%	89%	90%	90%
Bachelor's degree or advanced degree	29%	21%	75%	75%	79%
Educational attainment not available	8%	19%	205%	196%	199%
White Alone	66%	64%	98%	98%	98%
Black or African American Alone	12%	17%	132%	138%	130%
American Indian or Alaska Native Alone	1%	1%	101%	121%	112%
Asian Alone	17%	13%	80%	71%	82%
Native Hawaiian or Other Pacific Islander	1%	1%	118%	106%	124%
Two or More Race Groups	3%	4%	125%	110%	123%
Not Hispanic or Latino	80%	77%	97%	98%	98%
Hispanic or Latino	20%	23%	112%	105%	112%



# Tracking Employment Activity by Demographic Profile

Source: U.S. Census Bureau, Longitudinal Employment-Household Dynamics

Average Monthly Earnings (New Hires into Full-Quarter Employment)	Agriculture, Forestry, Fishing and Hunting	Mining, Quarrying, and Oil and Gas Extraction	Utilities	Construction	Manufacturing	Wholesale Trade	Retail Trade	Transportation & Warehousing	Information	Finance and Insurance	Real Estate and Rental and Leasing	Professional, Scientific, and Technical Services	Management of Companies and Enterprises	Administrative and Support and Waste Management and Remediation Services	Educational Services	Health Care and Social Assistance	Arts, Entertainment, and Recreation	Accommodation and Food Services	Other Services (except Public Administration)	Public Administration
Display Values																				
Male	106%	105%	112%	105%	107%	106%	116%	108%	112%	120%	108%	124%	121%	105%	122%	122%	111%	106%	115%	110%
Female	88%	79%	78%	79%	84%	86%	85%	85%	80%	89%	91%	78%	80%	93%	85%	93%	88%	93%	83%	90%
14-18	42%	57%	42%	50%	37%	29%	48%	47%	19%	34%	34%	21%	19%	69%	23%	30%	40%	49%	44%	28%
19-21	85%	74%	44%	63%	62%	49%	68%	66%	39%	45%	59%	37%	36%	79%	35%	54%	65%	73%	63%	62%
22-24	81%	86%	57%	77%	87%	62%	88%	86%	75%	56%	77%	57%	53%	90%	54%	70%	86%	94%	83%	112%
25-34	97%	98%	86%	94%	105%	87%	110%	98%	96%	80%	99%	89%	77%	102%	101%	100%	110%	110%	104%	114%
35-44	109%	111%	121%	110%	107%	117%	132%	113%	141%	119%	116%	114%	114%	106%	121%	117%	128%	124%	117%	125%
45-54	124%	109%	103%	114%	116%	137%	125%	113%	133%	137%	120%	136%	145%	108%	136%	113%	140%	120%	119%	128%
55-64	121%	106%	208%	118%	101%	127%	116%	111%	187%	139%	96%	156%	126%	107%	124%	119%	112%	120%	113%	107%
65-99	94%	103%	73%	87%	105%	79%	96%	85%	55%	96%	88%	84%	167%	89%	52%	96%	71%	92%	92%	62%
Less than high school	105%	95%	83%	99%	90%	75%	103%	96%	89%	81%	94%	84%	79%	94%	87%	85%	106%	107%	101%	106%
High school or equivalent, no college	100%	102%	93%	106%	101%	94%	114%	106%	101%	90%	102%	92%	88%	100%	97%	94%	110%	111%	109%	109%
Some college or Associate degree	108%	106%	92%	108%	106%	107%	121%	107%	110%	100%	107%	102%	103%	105%	105%	109%	112%	118%	113%	117%
Bachelor's degree or advanced degree	115%	118%	169%	112%	132%	158%	137%	117%	166%	150%	125%	152%	159%	121%	150%	141%	142%	128%	122%	129%
White Alone	100%	100%	93%	101%	101%	105%	104%	105%	103%	106%	103%	103%	108%	106%	103%	100%	102%	100%	103%	103%
Black or African American Alone	93%	104%	98%	92%	90%	72%	84%	88%	73%	77%	90%	69%	68%	83%	98%	80%	84%	92%	82%	84%
American Indian or Alaska Native Alone	75%	92%	117%	97%	83%	104%	88%	96%	60%	70%	80%	68%	64%	101%	68%	79%	85%	91%	107%	80%
Asian Alone	123%	121%	223%	90%	107%	99%	105%	93%	144%	103%	98%	121%	87%	107%	94%	126%	104%	112%	97%	126%
Native Hawaiian or Other Pacific Islander Alone	64%	90%	50%	100%	75%	81%	89%	79%	60%	70%	86%	58%	80%	93%	68%	89%	88%	100%	93%	76%
Two or More Race Groups	100%	91%	57%	97%	89%	78%	89%	87%	74%	77%	89%	84%	112%	99%	73%	100%	91%	94%	86%	82%
Hispanic or Latino	100%	92%	72%	93%	78%	70%	90%	87%	69%	74%	90%	72%	67%	93%	86%	78%	92%	94%	97%	91%



# Performing Data Analysis at an Individual/Firm Level

Source: Unemployment Insurance Records

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If we want to perform data analysis beyond what the ACS and LEHD programs can tell us, we can also do some data analysis with the unemployment insurance records that DETR has. This data is subject to both federal and state data confidentiality provisions:

First, among other restrictions, for general publication this data may only be made available to a “public official in the performance of their duties.”

Second, individual employer-level data may only be made available to agencies in accordance with NRS 612.265.

If these hurdles can't be overcome, then data may only be released in a way that does not reveal any individual or any employing unit's identity. But DETR believes in forming partnerships with public and private sector parties to help make it possible to make data-driven decisions possible wherever we can!

# Aggregation by Census Blocks

Source: Quarterly Census of Employment and Wages and U.S. Census Bureau

## 2018 Average Employment, Churchill County, Census Blocks with more than 4 employers



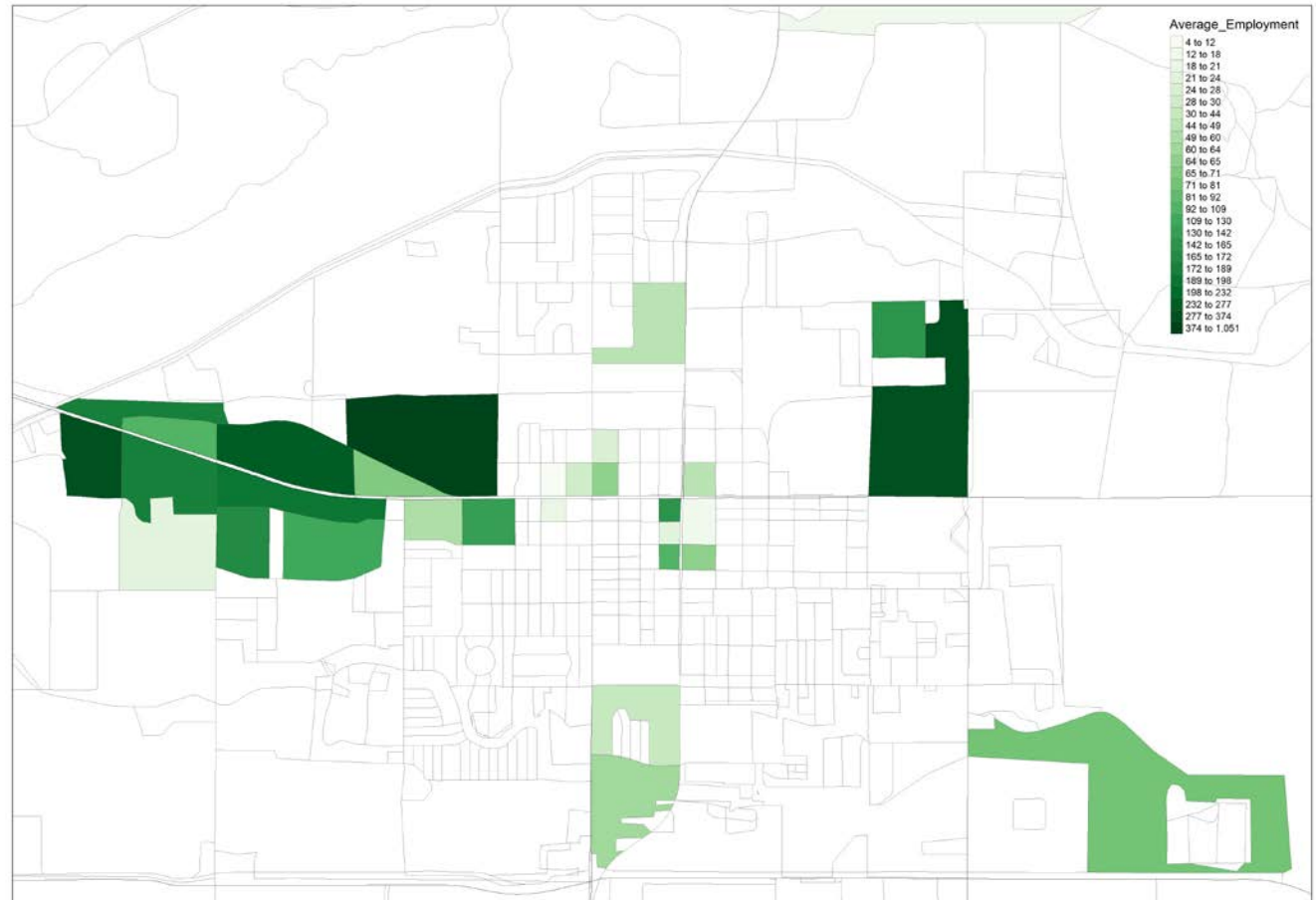
# Aggregation by Census Blocks

Source: Quarterly Census of Employment and Wages and U.S. Census Bureau

2018 Average  
Employment

Fallon

Census Blocks  
with more than  
4 employers



# Aggregation by Census Blocks

Source: Quarterly Census of Employment and Wages and U.S. Census Bureau

2018 Average  
Employment

Humboldt County

Census Blocks with  
more than 4  
employers



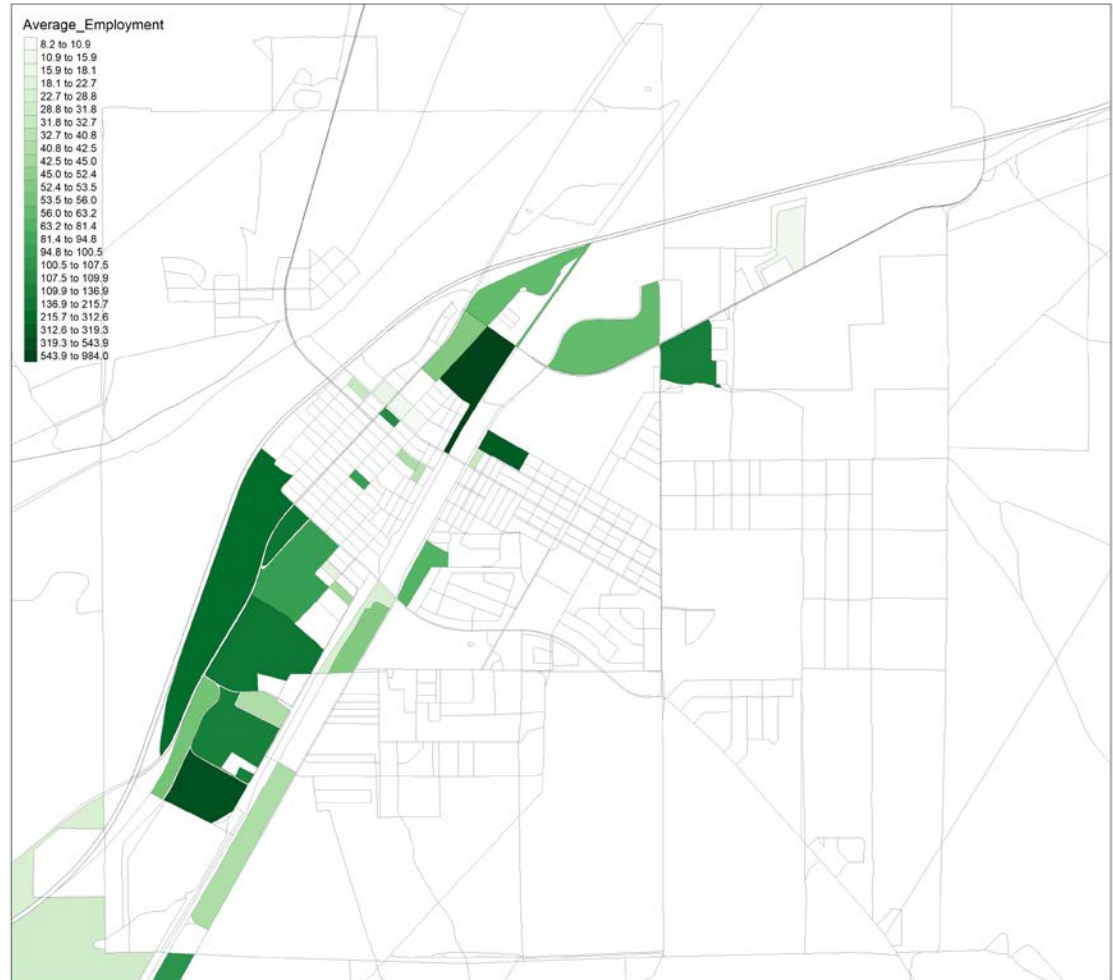
# Aggregation by Census Blocks

Source: Quarterly Census of Employment and Wages and U.S. Census Bureau

2018 Average  
Employment

Winnemucca

Census Blocks  
with more than  
4 employers





# Aggregation by Census Blocks

Source: Quarterly Census of Employment and Wages and U.S. Census Bureau

2018 Average  
Employment

Elko County

Census Blocks with  
more than 4  
employers



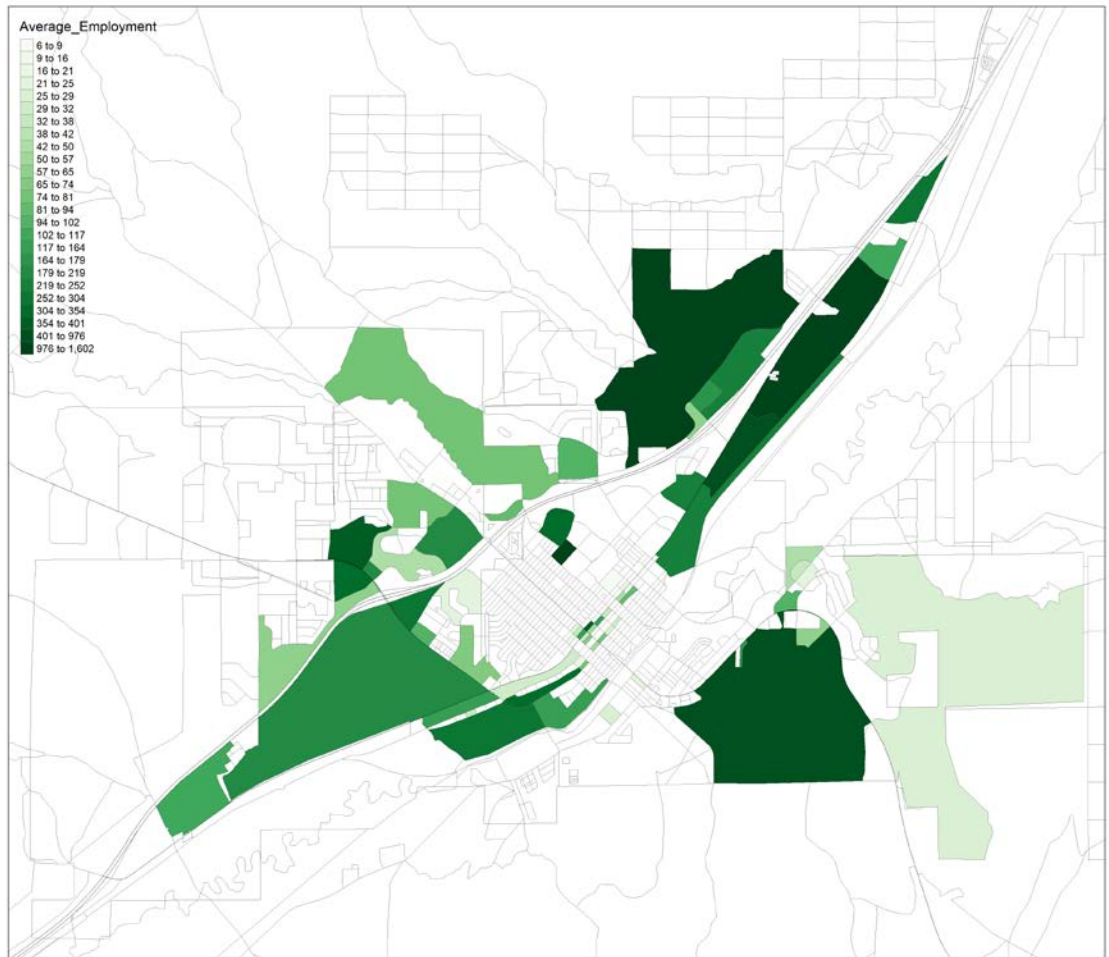
# Aggregation by Census Blocks

Source: Quarterly Census of Employment and Wages and U.S. Census Bureau

2018 Average  
Employment

City of Elko

Census Blocks with  
more than 4 employers





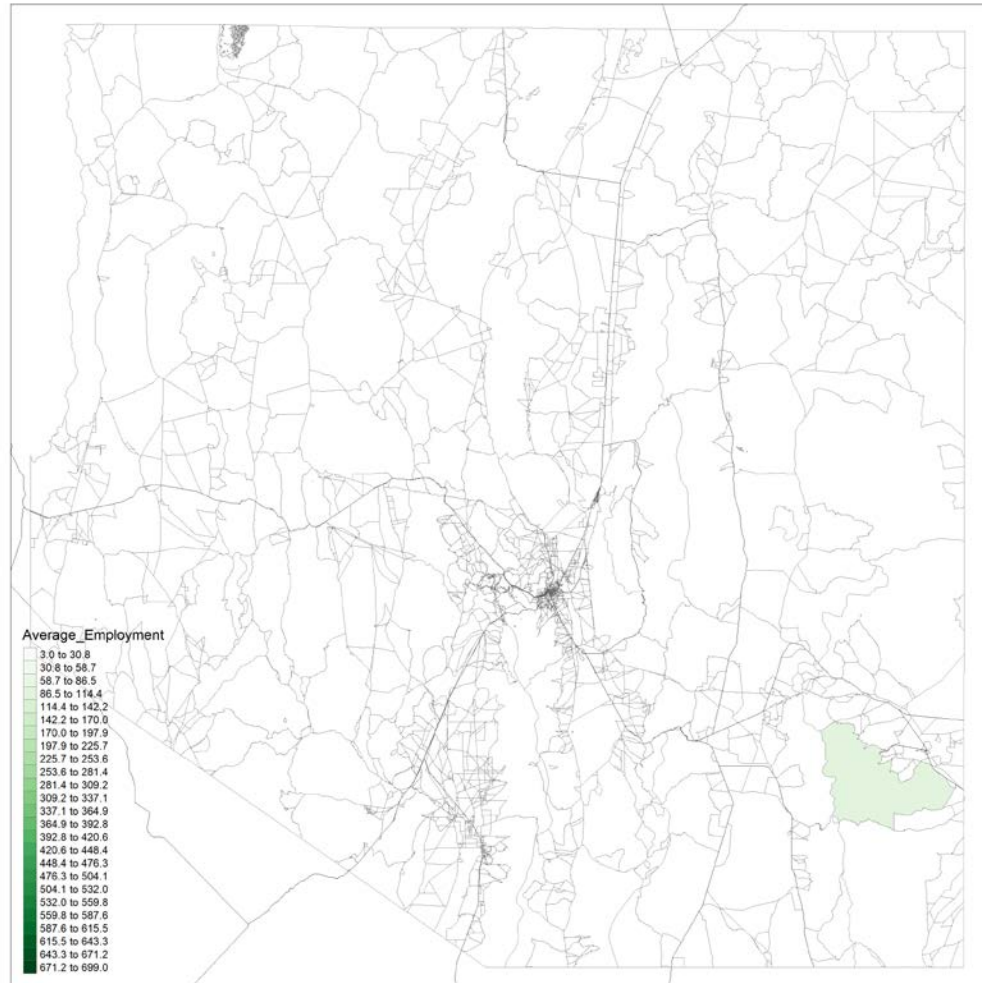
# Aggregation by Census Blocks

Source: Quarterly Census of Employment and Wages and U.S. Census Bureau

2018 Average  
Employment

White Pine County

Census Blocks with  
more than 4 employers



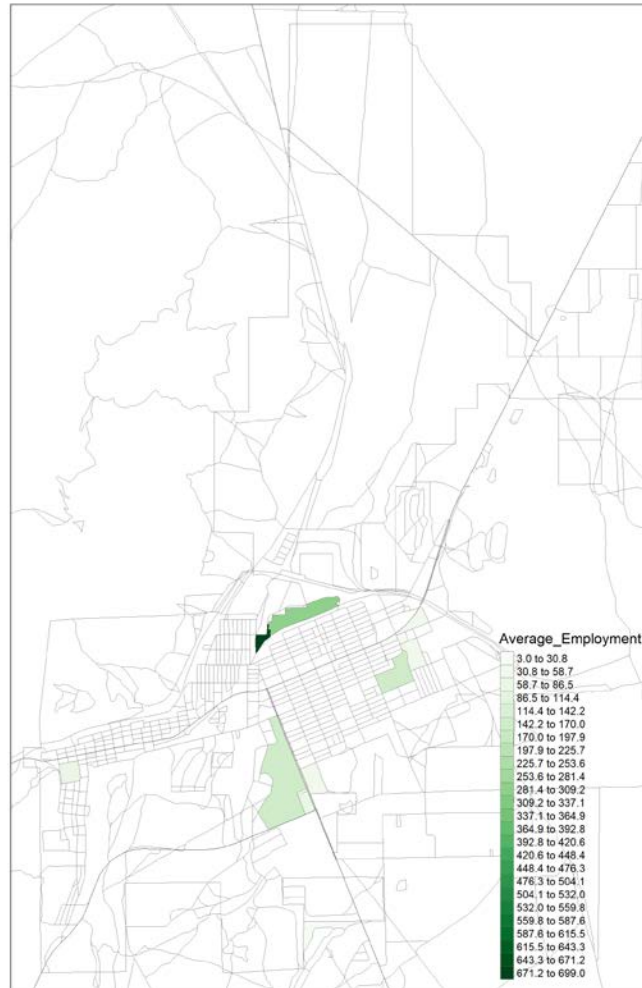
# Aggregation by Census Blocks

Source: Quarterly Census of Employment and Wages and U.S. Census Bureau

2018 Average  
Employment

Ely

Census Blocks with  
more than 4 employers



**State of Nevada Exhaustion Rate by County**  
by BYE

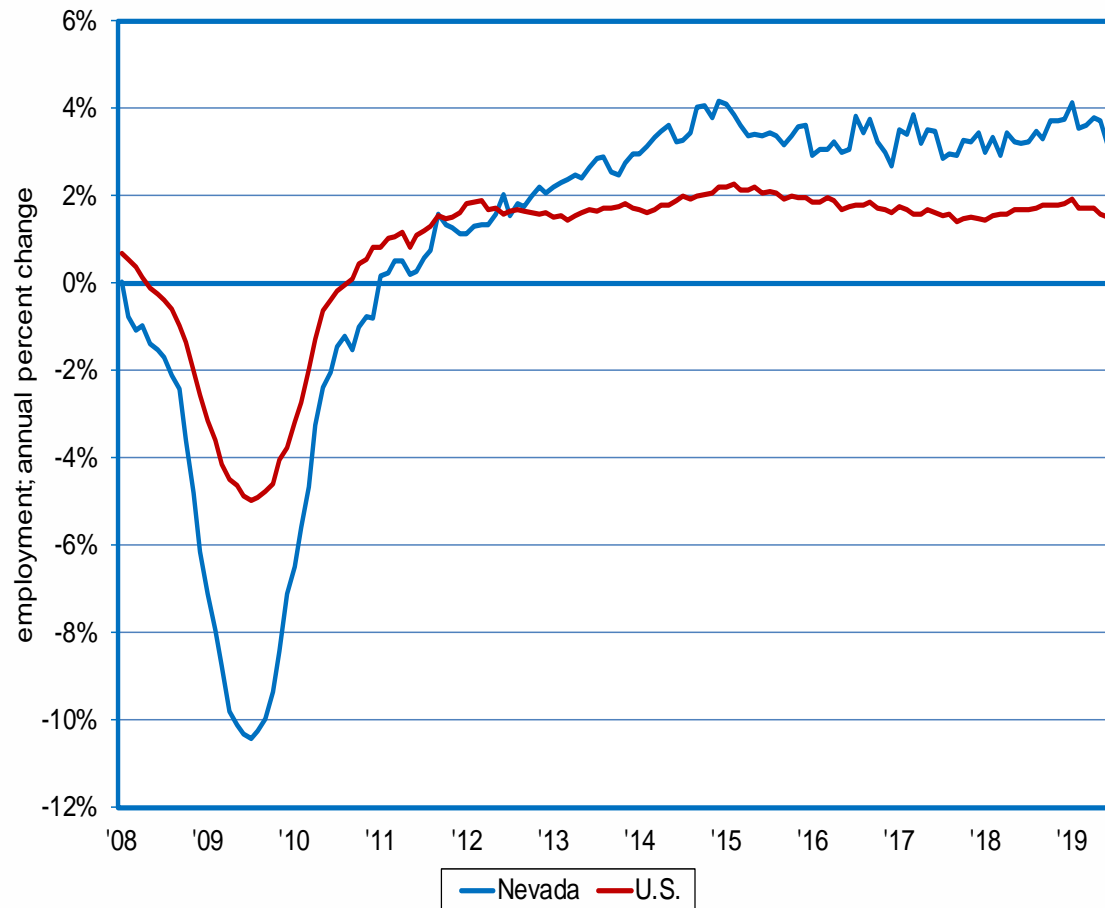


# Nevada Growing Twice as Fast as Nation

Nevada's employment grew at an annual rate of 3.1% in July, compared to 1.5% in the nation as a whole<sup>1</sup>

Nevada's job growth has outpaced the nation for 84 straight months

Job Growth: NV vs. U.S.

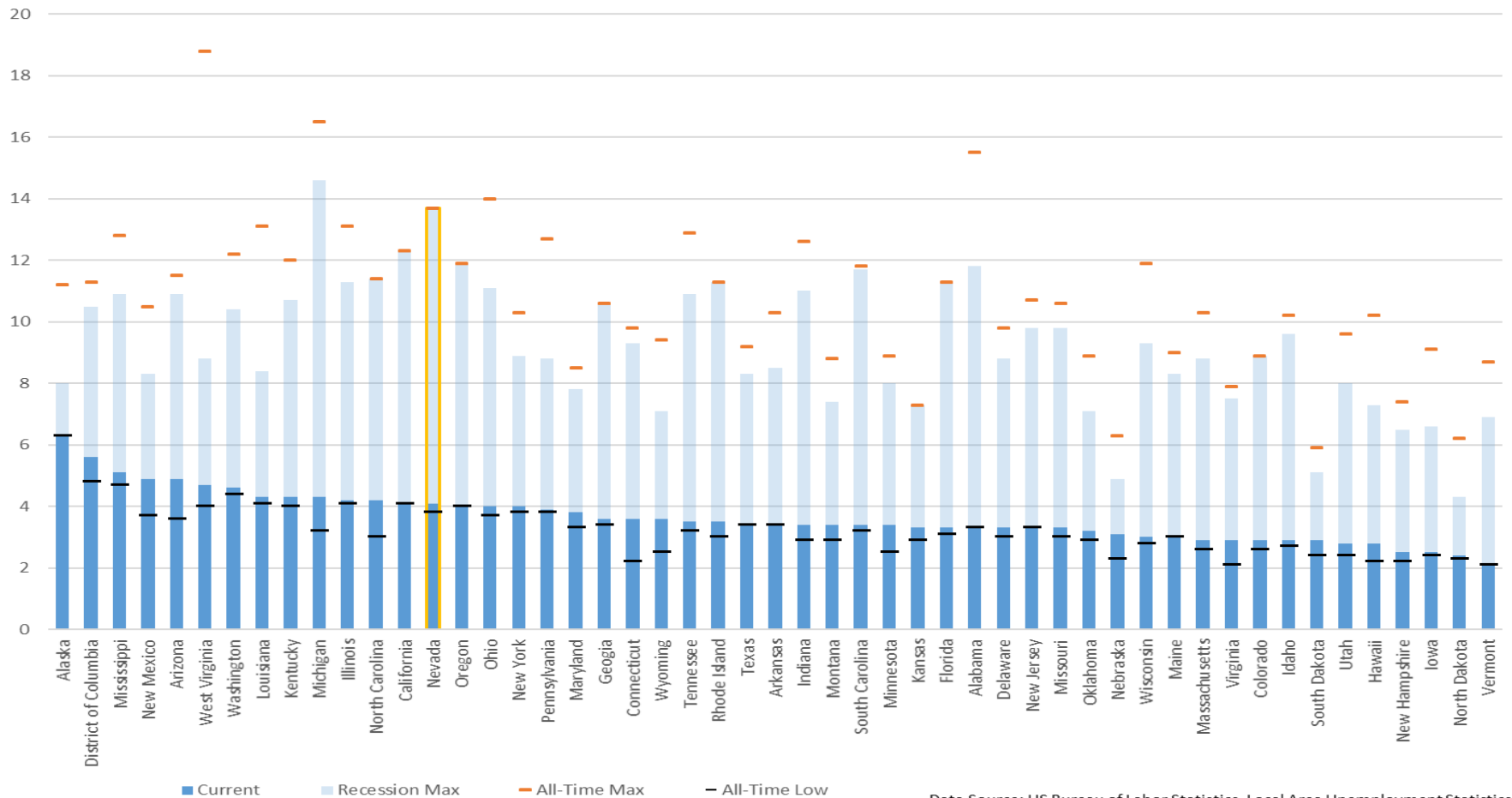


<sup>1</sup> seasonally adjusted

# As of July 2019, 12 States Have a Higher Unemployment Rate than Nevada

Comparison of State Unemployment Rates

Rates for July 2019

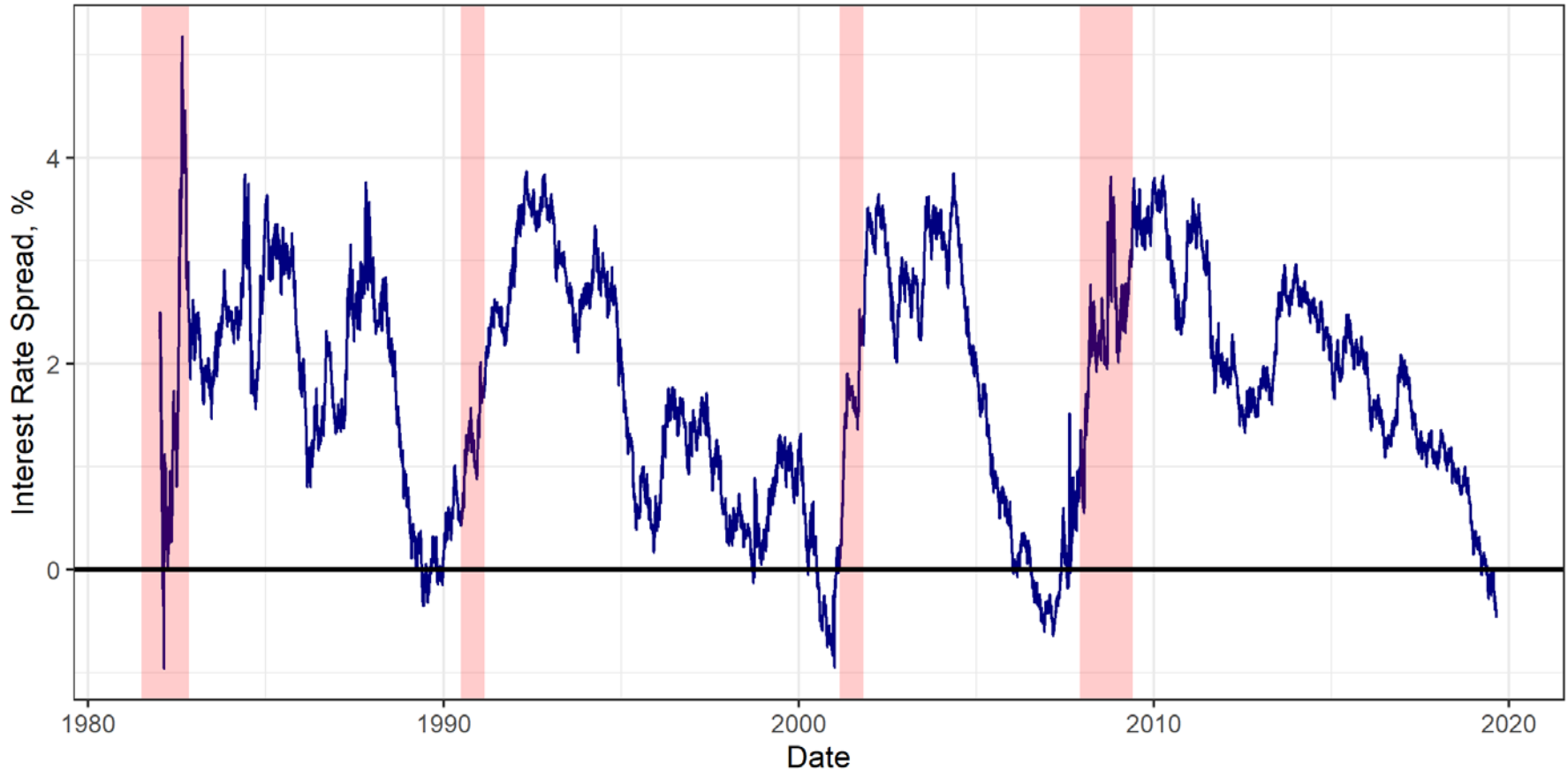


Data Source: US Bureau of Labor Statistics, Local Area Unemployment Statistics

# National Economic Uncertainty

## Comparing 10 Year/3 Month Yield Curve to U.S. Recessions

Shaded areas indicate recessions



# For Additional Information, Please Contact:

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