Using NPWR to Model Nevada's Educational Pipelines*







* Prepared for NPWR Research Forum, February 29, 2024

Overview

- I. Who We Are and What We Do
- **II**. Working with NPWR
- III. Our Projects
- **IV.** The K-12 to Higher Education Pipeline
- v. Next Steps



Who We Are and What We Do

- The Lincy Institute conducts and supports research that focuses on improving Nevada's economic development, education, governance, health, nonprofits, and social services.
- Brookings Mountain West is a partnership with the Washington, D.C.-based Brookings Institution that provides a platform to bring ideas and expertise together to enhance public policy discussions to build a robust, inclusive, and sustainable future.

UNIX THE LINCY INSTITUTE

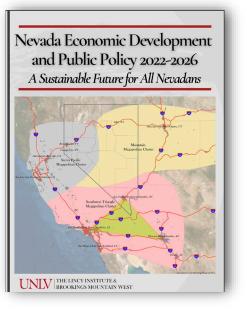
STRENGTHENING THE SOUTHERN NEVADA WORKFORCE PIPELINE

KATIE M. GILBERTSON, UNIVERSITY OF NEVADA, LAS VEGAS

Abstract

Workforce development has been a keystnei in the discussion of cosmonic diversification of Lat Vega for decoder. The listoware and hoppitalij industry in the listile inform for shortener. Nevada economy due to the relatione on tourism as the region's main economic divers. The listoware and hoppitality loadity requires physical labor and more theor-base customer interaction than other employment sectors. This, there jobs effent do not require high communication, and explaintion strateging. While these are valuable traits, the labo of educational attainment and technical ability training supportunities for career advancement of employses in the lar Vega Siner and Hoppitality.

This report analyses the Southern Neurals employment ecosystem by utilizing ecosystems in the source induced by the US Department of Labor. The first ecitom semilors occupations in the source induced by the US Department of Labor. The first ecitom semilors occupations in the source induced by the US Department of Labor. The first ecitom cannot be oblights. Next, this report utilizes the lab sector generation of the source laboration of the laboration technology. All these ecosystems for bounders 2022 Worker distances in the source laboration of the source laboration of the laboration of the laboration technology. All these ecosystems for source laborations of the distances of the laboration of the laboration of the laboration of the laboration of the momentation much address the weak generative within the Southern Needa source and the laboration of the laboration of the laboration of the laboration of the distance and address the weak generative within the Southern Needa work between and hospitally employees in the community. Platfory recommendations that allow generative and the laboration of the laboration between laboration to the laboration of the other to the steage has been between laboration between the laboration of the Vaga accounty in outro's the steage has been been been been been and Vaga accounty in need to the strengthen the laboration of the l





- The Nevada P-20 to Workforce Research Data System (NPWR) accesses data from several Nevada governmental entities
- NPWR data attributes:
 - Individual-level data
 - Data collected by multiple governmental entities throughout an individual's life cycle
 - NDE, K-12
 - NSHE, higher education
 - DETR, employment



• These data can be used by researchers for a variety of purposes:

- Evaluating the effectiveness of policy interventions
- Conducting cohort analyses
- Modeling educational and workforce pipelines
- Assessing the impacts of macrolevel shocks via "natural experiments"
- Analyzing the effects of demographic and contextual differences on individual outcomes



• There are challenges working with these data:

- System access
 - Navigating the NPWR portal and requesting data
 - Coordinating with OSP, IRB, and legal (non-disclosure agreements and background checks)
 - Agency sign-offs



• There are challenges working with these data:

- System access
- Pulling the data
 - Missing files, missing data within files, and internal data inconsistencies
 - Misaligned columns
 - Duplicate id numbers
 - Re-doing data requests



- There are challenges working with these data:
 - System access
 - Pulling the data
 - Data structure
 - File names
 - Different units of analysis
 - Understanding the data types
 - Variable coding and labels



- There are challenges working with these data:
 - System access
 - Pulling the data
 - Data structure
 - Data analysis
 - Analyzing these data may require:
 - Recoding variables
 - Appending datasets across years
 - Merging datasets across entities
 - Collapsing datasets to create consistent units of analysis



Our Projects

The Lincy Institute:

- Nevada K-12 Performance and Implications for Economic Diversification
- Brookings Mountain West:
 - The Gender Gap in Nevada: K-12, Higher Education Workforce Study
- Our team:
 - David Damore Executive Director, The Lincy Institute and Brookings Mountain West
 - Bill Brown UNLV Director, Brookings Mountain West
 - Caitlin Saladino Director of Strategic Development and Operations, The Lincy Institute and Brookings Mountain West
 - Fatma Nasoz Director of Data Science, The Lincy Institute and Associate Professor Department of Computer Science



Our Projects

The glass half-empty perspective:

- Poor K-12 and higher education outcomes and reputations are a barrier to economic diversification
 - Educational attainment is stratified by gender and race and ethnicity
 - Weak college-going culture
- Mismatch between workforce skills and in-demand occupations
 - Nevada has the highest unemployment rate in the country
- Las Vegas has the least diversified economy among major Mountain West metros and lags across several economic metrics



Economic Performance Metrics in Major Mountain West Metros

Indicator	Denver MSA	Phoenix MSA	Las Vegas MSA	Salt Lake City MSA
Hachman Index*	93.1	94.5	68.6	93.5
Growth**	6th	13th	23rd	5th
Prosperity**	9th	25th	50th	10th
Inclusion**	18th	11th	<i>55</i> th	1st
Racial inclusion**	42nd	7th	35th	13th
Geographic inclusion**	7th	8th	21st	41st

*Hachman Index scores range from zero to 100.

11

**Ranking out of 56 metropolitan statistical areas with populations of at least one million residents based upon changes between 2011 and 2021.

Note: MSA is the initialism for a metropolitan statistical area.

Sources: Center for Business and Economic Research analysis of unemployment data from the U.S. Census. Brookings Institution Metro Monitor 2023.



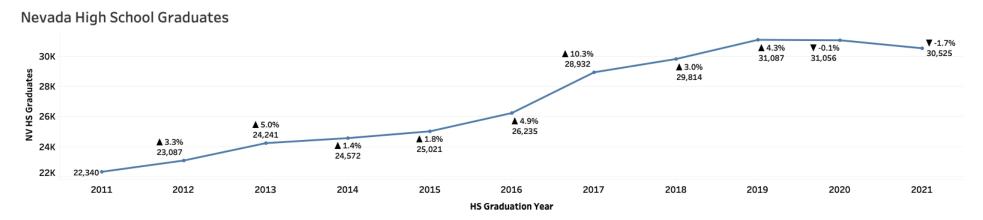
Our Projects

The glass half-full perspective

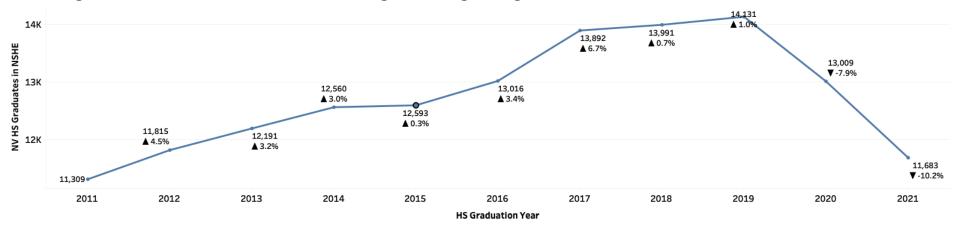
- Nevada is producing high school and college graduates
- Assessing these pipelines can inform us about what is working
- Data used:
 - NDE Graduates (2011-2022)
 - Unit of analysis: Nevada high school graduates (n = 352,962)
 - NSHE Enrollment, Cohort, Students, and Completions (2010-2022)
 - Unit of analysis: enrolled students (n = 584,055)
 - Unit of analysis: degree and certificate earners (n = 261,768)
 - Merged data
 - Unit of analysis: Nevada high school graduates who enrolled as undergraduates (n = 140,390)
 - Unit of analysis: Degrees or certificates completed by Nevada high school graduates (*n* =69,860)
 - Data analyzed and cross-checked using Stata 18 and Tableau



Nevada High School Grads to NSHE Undergraduate-Degree-Seeking Students, 2011-2021

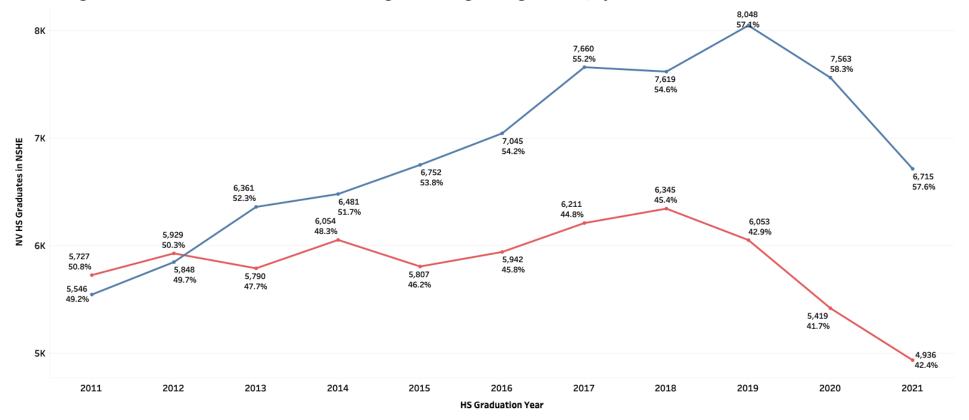


Nevada High School Graduates Who Attend NSHE as Degree-Seeking Undergraduates



Nevada High School Grads to NSHE Undergraduate-Degree-Seeking Students, by Gender, 2011-2021

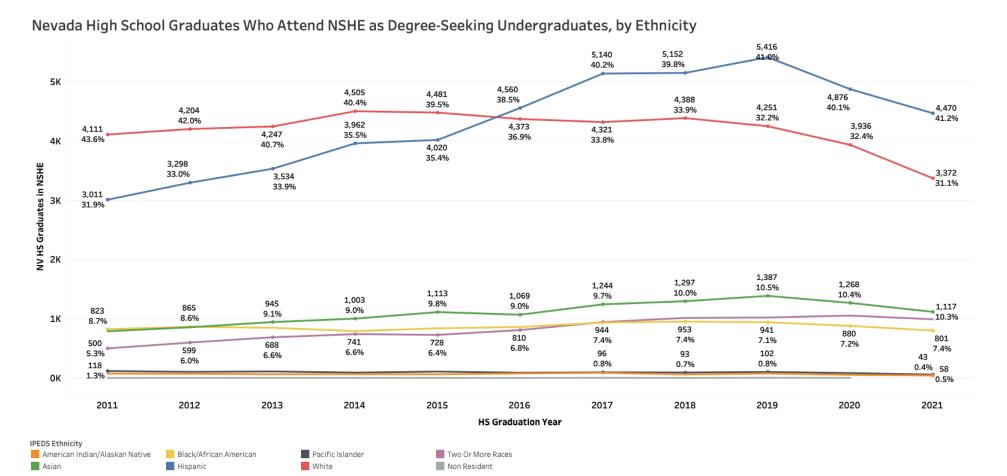
Nevada High School Graduates Who Attend NSHE as Degree-Seeking Undergraduates, by Gender



Gender Female

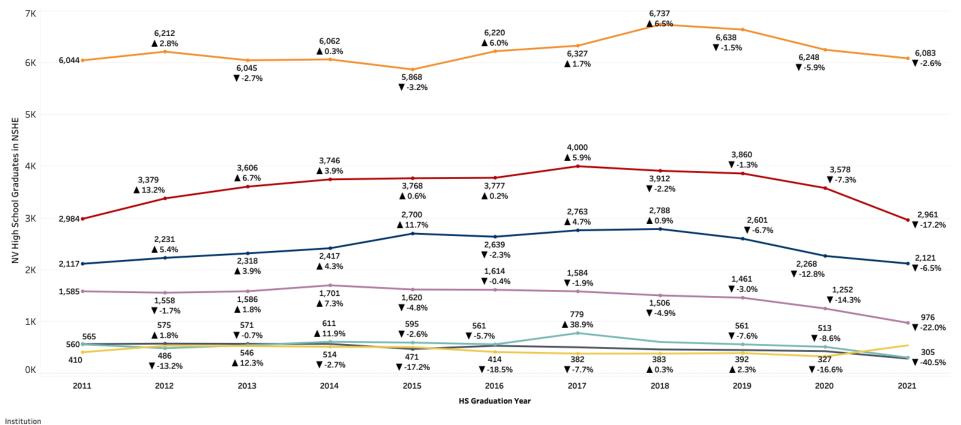
Male

Nevada High School Grads to NSHE Undergraduate-Degree- Seeking Students, by Ethnicity, 2011-2021



Nevada High School Grads to NSHE Undergraduate-Degree- Seeking Students, by Institution, 2011-2021

Nevada High School Graduates Who Attend NSHE as Degree-Seeking Undergraduates, by Institution



CSN GBC NSC TMC UNLV UNR WNC

16

Completed Certificates and Degrees, 2010-2022

				Inst	titution			
	CSN	GBC	NSU	TMCC	UNLV	UNR	WNC	Total
)egree Type								
Associate's degree	<mark>37,377</mark>	3,740	0	15,845	0	0	6,807	63,769
Bachelor's degree	543	937	7,563	78	60,352	<mark>61,096</mark>	86	130,655
Certificate < 1 year	<mark>13,126</mark>	2,260	0	9,247	0	0	3,745	28,378
Certificate > 1 year	<mark>2,527</mark>	1,966	0	2,358	0	0	342	7,193
Doctoral degree	0	0	0	0	<mark>2,088</mark>	1,625	0	3,713
Graduate certificate	0	0	0	0	<mark>572</mark>	256	0	828
Master's degree	0	0	58	0	<mark>13,710</mark>	9,223	0	22,991
Post BA certificate	0	<mark>114</mark>	12	0	58	55	0	239
Post MA certificate	0	0	0	0	<mark>139</mark>	68	0	207
Professional degree	0	0	0	0	<mark>2,791</mark>	755	0	3,546
Undergrad certificate	0	0	0	0	115	<mark>134</mark>	0	249
Total	53,573	9,017	7,633	27,528	<mark>79,825</mark>	73,212	10,980	261,768



Certificates and Degrees Completed by In-State Students, 2010-2022

				Inst	titution			
	CSN	GBC	NSU	TMCC	UNLV	UNR	WNC	Total
+ Degree Type								
Associate's degree	<mark>35,185</mark>	3,505	0	14,850	0	0	6,519	60,059
Bachelor's degree	463	843	7,232	73	<mark>48,515</mark>	46,406	84	103,610
Certificate < 1 year	<mark>12,129</mark>	2,105	0	8,323	0	0	3,517	26,07
Certificate > 1 year	<mark>2,259</mark>	1,846	0	2,213	0	0	325	6,64
Doctoral degree	0	0	0	0	<mark>1,252</mark>	790	0	2,04
Graduate certificate	0	0	0	0	<mark>454</mark>	190	0	64
Master's degree	0	0	56	0	<mark>10,320</mark>	6,424	0	16,80
Post BA certificate	0	<mark>107</mark>	10	0	40	48	0	20
Post MA certificate	0	0	0	0	<mark>105</mark>	54	0	15
Professional degree	0	0	0	0	<mark>2,</mark> 392	513	0	2,90
Undergrad certificate	0	0	0	0	71	<mark>108</mark>	0	17
Total	50,036	8,406	7,298	25,459	<mark>63,149</mark>	54, <mark>533</mark>	10,445	219,32

Nevada High School Graduates and Certificate and Degree Earners, 2011-2022

- Modeling Nevada's high school to college pipeline:
 - Merging the NDE graduate data with the NSHE certificate and degree data from 2010 through 2022 yielded 69,860 matches
 - Because of the time lags in the data, most of these matches are later in the series



Certificate and Degrees Completed by Nevada High School Graduates, 2010-2022

I							Degree	e Year					
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
Degree Type													
Associate's degree	27	71	240	596	872	1,437	1,871	2,226	2,610	2,900	3,319	2,193	18,362
Bachelor's degree	0	1	16	146	1,516	3,026	3,976	5,009	5,539	6,213	6,901	4,804	37,147
Certificate < 1 year	0	28	418	719	979	908	1,047	1,207	1,393	1,302	1,103	1,004	10,108
Certificate > 1 year	3	66	135	170	167	163	208	214	251	284	285	196	2,142
Doctoral degree	0	0	0	0	1	0	0	3	7	15	20	26	72
Graduate certificate	0	0	0	0	0	2	4	6	8	16	10	13	59
Master's degree	0	0	1	0	1	25	88	154	252	317	359	341	1,538
Post BA certificate	0	0	0	0	0	0	0	3	1	2	1	1	8
Post MA certificate	0	0	0	0	0	0	0	1	0	4	6	2	13
Professional degree	0	0	0	0	0	0	4	17	43	64	105	118	351
Undergrad certificate	0	0	0	0	0	2	2	10	6	13	12	15	60
Total	30	166	810	1,631	3,536	5,563	7,200	8,850	10,110	11,130	12,121	8,713	69,860



Top Ten Nevada High School Alma Maters for UNR Bachelor's Degree Completions, 2011-2022

		Ger	ıder					Race/Ethnicity	,			
High School (County)	Total	Female	Male	African American	American Indian/ Alaskan Native	Asian	Hispanic	Nonresident	Pacific Islander	Two races or more	Unknown	White
Reno (Washoe)	1301	702	599	5	6	105	133	0	4	50	12	986
McQueen (Washoe)	1219	694	525	39	7	207	142	1	3	99	10	711
Spanish Springs (Washoe)	1037	613	424	12	15	72	218	0	1	51	16	652
Galena (Washoe)	963	520	443	6	1	58	148	0	0	39	20	691
Reed (Washoe)	917	540	377	16	5	141	232	0	6	65	4	448
Wooster (Washoe)	886	564	322	23	6	149	319	0	5	54	14	316
Douglas (Douglas)	773	456	317	1	6	20	112	0	0	36	11	587
Carson (Carson City)	751	415	336	7	1	31	196	0	4	34	19	459
Damonte Ranch (Washoe)	667	412	255	10	6	86	124	0	0	52	8	381
Coronado (Clark)	602	328	274	16	4	44	93	1	1	51	5	387

Top Ten Nevada High School Alma Maters for UNLV Bachelor's Degree Completions, 2011-2022

		Gen	der					Race/Ethnicity	,			
High School (County)	Total	Female	Male	African American	American Indian/ Alaskan Native	Asian	Hispanic	Nonresident	Pacific Islander	Two races or more	Unknown	White
Coronado (Clark)	1057	623	434	19	0	168	192	7	7	104	11	549
NWCTA (Clark)	770	475	295	40	1	153	259	0	4	77	3	233
SWCTA (Clark)	711	454	257	30	0	369	124	0	5	87	2	94
Palo Verde (Clark)	702	421	281	26	0	104	149	1	5	68	10	339
Green Valley (Clark)	677	388	289	26	0	85	177	1	8	60	15	305
Las Vegas Academy (Clark)	564	412	152	40	0	65	174	0	2	58	4	221
Clark (Clark)	537	309	228	30	0	227	135	3	6	50	10	76
ECTA (Clark)	511	325	186	9	0	79	332	0	2	30	9	50
Advanced Tech Academy (Clark)	503	204	299	24	0	168	157	0	6	44	5	99
Spring Valley (Clark)	478	276	202	24	1	141	91	4	7	35	8	167

Top Ten Nevada High School Alma Maters for NSU Bachelor's Degree Completions, 2011-2022

		Gen	der					Race/Ethnicity	7			
High School (County)	Total	Female	Male	African American	American Indian/ Alaskan Native	Asian	Hispanic	Nonresident	Pacific Islander	Two races or more	Unknown	White
Foothill (Clark)	134	97	37	1	0	5	39	0	1	6	11	71
ECTA (Clark)	104	87	17	2	0	4	80	0	1	2	3	12
Basic (Clark)	103	81	22	4	0	4	37	0	0	1	10	47
SECTA (Clark)	81	71	10	4	0	12	49	0	1	3	7	5
Rancho (Clark)	68	54	14	2	0	1	52	0	0	0	8	5
Green Valley (Clark)	66	58	8	3	0	9	19	0	0	8	6	21
Coronado (Clark)	64	47	17	2	0	8	12	0	0	3	3	36
Chaparral (Clark)	56	45	11	2	0	2	25	0	0	1	13	13
Liberty (Clark)	55	41	14	4	0	8	15	0	1	11	7	9
Nevada State (Clark)	53	38	15	0	0	8	13	0	2	2	2	26



Top Ten Nevada High School Alma Maters for CSN Degree and Certificate Completions, 2011-2022

		Gen	der					Race/Ethnicity	,			
High School (County)	Total	Female	Male	African American	American Indian/ Alaskan Native	Asian	Hispanic	Nonresident	Pacific Islander	Two races or more	Unknown	White
ECTA (Clark)	798	495	303	21	1	95	506	0	8	45	51	71
SECTA (Clark)	592	337	255	28	1	59	326	1	2	26	36	113
NWCTA (Clark)	503	283	220	29	1	62	156	0	6	38	22	189
Palo Verde (Clark)	478	211	267	24	0	51	128	0	1	46	16	212
Foothill (Clark)	475	209	266	13	0	19	101	0	5	33	23	281
Centennial (Clark)	462	209	253	40	4	27	112	0	4	42	21	212
Rancho (Clark)	458	279	179	16	0	36	305	0	0	13	31	57
Green Valley (Clark)	445	199	246	16	0	23	146	0	2	30	20	208
CSN West (Clark)	444	333	111	24	0	56	122	0	1	53	23	165
Shadow Ridge (Clark)	440	238	202	30	0	35	103	0	6	58	25	183



Top Ten Nevada High School Alma Maters for GBC Degree and Certificate Completions, 2011-2022

		Gen	der					Race/Ethnicity	7			
High School (County)	Total	Female	Male	African American	American Indian/ Alaskan Native	Asian	Hispanic	Nonresident	Pacific Islander	Two races or more	Unknown	White
Elko (Elko)	671	240	431	4	26	6	276	0	8	14	59	278
Spring Creek (Elko)	449	142	307	0	11	5	46	0	5	8	11	363
Lowry (Humboldt)	404	165	239	0	0	2	136	0	0	0	20	246
Battle Mountain (Lander)	249	87	162	1	4	0	79	0	0	3	16	146
Pahrump Valley (Nye)	235	146	89	5	0	8	56	0	4	16	18	128
White Pine (White Pine)	145	78	67	0	6	1	16	0	2	2	11	107
West Wendover (Elko)	116	38	78	0	0	0	88	0	0	0	12	16
Carlin (Elko)	76	20	56	0	0	0	4	0	0	0	2	70
ECTA (Clark)	65	22	43	0	0	0	46	0	0	6	8	5
Pershing (Pershing)	58	16	42	0	1	0	28	0	0	1	2	26

Top Ten Nevada High School Alma Maters for WNC Degree and Certificate Completions, 2011-2022

		Gen	der					Race/Ethnicity	,			
High School (County)	Total	Female	Male	African American	American Indian/ Alaskan Native	Asian	Hispanic	Nonresident	Pacific Islander	Two races or more	Unknown	White
Carson (Carson City)	1065	582	483	6	5	20	437	0	1	29	56	511
Douglas (Douglas)	599	321	278	2	13	10	120	0	0	27	34	393
Dayton (Lyon)	394	240	154	0	2	7	141	0	0	17	8	219
Churchill County (Churchill)	246	145	101	1	12	6	39	0	0	15	2	171
Fernley (Lyon)	188	129	59	3	3	6	34	0	1	15	4	122
Oasis Academy (Churchill)	138	75	63	1	6	4	17	0	0	7	4	99
Silver Stage (Lyon)	113	60	53	0	0	0	25	0	0	3	2	83
Virginia City (Storey)	79	39	40	0	0	1	4	0	0	5	2	67
NV Virtual Academy (Clark)	62	45	17	6	0	5	18	0	0	10	2	21
Yerington (Lyon)	54	34	20	0	3	0	25	0	0	1	5	20



Top Ten Nevada High School Alma Maters for TMCC Degree and Certificate Completions, 2011-2022

		Gen	der					Race/Ethnicity	7			
High School (County)	Total	Female	Male	African American	American Indian/ Alaskan Native	Asian	Hispanic	Nonresident	Pacific Islander	Two races or more	Unknown	White
Spanish Springs (Washoe)	913	505	408	14	9	32	290	0	1	42	12	513
TMCC Magnet (Washoe)	830	594	236	7	6	54	200	0	4	65	9	485
Reed (Washoe)	714	431	283	9	10	85	250	0	1	29	15	315
North Valley (Washoe)	613	347	266	11	5	23	278	0	0	31	0	265
McQueen (Washoe)	589	293	296	6	1	50	167	0	4	34	14	313
Damonte Ranch (Washoe)	534	290	244	16	4	61	142	0	0	41	1	269
Reno (Washoe)	505	245	260	5	4	32	126	0	1	22	5	310
Wooster (Washoe)	478	272	206	8	3	34	295	0	0	18	14	106
Galena (Washoe)	440	203	237	1	3	27	124	0	4	17	5	259
Sparks (Washoe)	315	191	124	1	0	24	217	0	0	13	8	52

Enrollment via "The Great Student Swap"



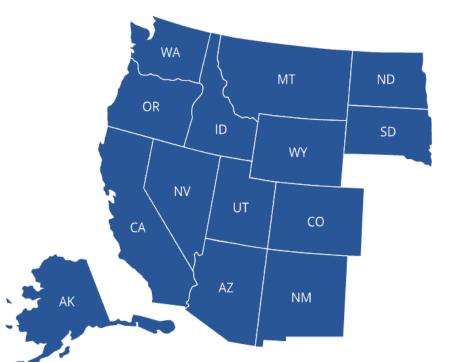
UNIV BROOKINGS BROOKINGS MOUNTAIN WEST The Great Student Swap AARON KLEIN SENIOR FELLOW, ECONOMIC STUDIES THE BROOKINGS INSTITUTION The Great Student Sway is occurring as tuition and fees at America's higher education Abstract nstitutions over the last For the last twenty years, nearly every flagship university in the U.S. has been decreasing 20 years have Its share of in-state students and enrolling more students from out of state, a kyrocketed. It has made phenomenon I call the "Great Student Swap." Using data from the Integrated a college degree far more expensive for man Postsecondary Education Data System (IPEDS), I examine every "flagship" public nericans, and it has left university by comparing incoming first year students from 2002 through 2018 (those those who did attend who would have graduated in the spring 2022 assuming the traditional four-year with \$1.7 trillion in timeframe for completion). I find that the share of out-of-state students has risen by an student debt. average of 55 percent since 2002 and that 48 of the 50 flagships experienced a growth One overlooked aspect in their share of out-of-state students. The average decline in in-state students was 15 contributing to debt is percent, and five states swapped more than one out of every five in-state students for the growth in out-ofan out-of-state student. Each state's flagship experience can be seen in the Figure 1 state enrollment in public universities. Out of-state tuition can be wice as high as in-state My detailed analysis of a subset of 16 states finds that the share of out-of-state students prices, driving up studen attending their flagships grew by 41 percent, slightly less than the average out-of-state debt and university uition revenue. Durin student growth across the 50 states. For these states, I document the growing gap this time period the between in-state and out-of-state tuition and the decline in state governmental support. sticker tuition price I find suggestive evidence that the decline in support is greater in states that have difference between in and out-of-state schoo swapped their own students for out of staters at a faster rate. I hypothesize that schools has been rising while the are caught in a cycle where they compensate for the decline in state funding by enrolling share of in-state more lucrative out-of-state students. Increased recruitment of out-of-state students, in students is falling. turn, may lead to less local political support and further erosion in state funding.¹ Despite the general increase in out-of-state students attending flagship universities, I find that a few schools have stabilized their in-state enrollments. The University of North Carolina at Chapel Hill is the only flagship that has both a majority of in-state students Brookings Mountain West | September 2022

Certificates and Degrees Completed by Out-of-State Students, 2010-2022

				Ins	stitution			
	CSN	GBC	NSU	TMCC	UNLV	UNR	WNC	Total
Degree Type								
Associate's degree	<mark>2,002</mark>	220	0	941	0	0	251	3,414
Bachelor's degree	80	93	327	5	9,932	<mark>14,508</mark>	2	24,947
Certificate < 1 year	<mark>995</mark>	155	0	924	0	0	228	2,302
Certificate > 1 year	<mark>234</mark>	116	0	140	0	0	15	505
Doctoral degree	0	0	0	0	743	<mark>832</mark>	0	1,575
Graduate certificate	0	0	0	0	102	66	0	168
Master's degree	0	0	2	0	2,709	<mark>2,783</mark>	0	5,494
Post BA certificate	0	7	2	0	1	7	0	17
Post MA certificate	0	0	0	0	<mark>19</mark>	14	0	33
Professional degree	0	0	0	0	<mark>264</mark>	45	0	309
Undergrad certificate	0	0	0	0	22	<mark>26</mark>	0	48
Total	3,311	591	331	2,010	13,792	<mark>18,281</mark>	496	38,812



Regional Interstate Tuition Savings Programs



U.S. PACIFIC TERRITORIES & FREELY ASSOCIATED STATES

- COMMONWEALTH OF THE NORTHERN MARIANAS ISLANDS
- GU
 - REPUBLIC OF THE MARSHALL ISLANDS
- FEDERATED STATES OF MICRONESI
 REPUBLIC OF PALAU



Western Undergraduate Exchange (WUE)

- All NSHE Institutions
- Eligibility (UNLV and UNR)
 - Earn a 3.25 unweighted overall high school GPA, or 24 ACT score, or 1160 SAT.
 - Enroll in at least 12 credits in the fall and spring semesters
 - Live in a residence hall during first year.
 - Pay 150% of Nevada resident fees.

Nevada Advantage Program*

- UNR only
- Eligibility
 - Reside in a WUE state
 - Earn a 3.0 unweighted overall high school GPA, or 22 ACT score, or 1100 SAT.
 - Pay 200% of Nevada resident fees.

*Now called Pack Advantage Program



Associate's and Bachelor's Degrees Completed by WUE and Nevada Advantage Participants, 2010-2022

	Institution							
	CSN	GBC	NSU	TMCC	UNLV	UNR	WNC	Total
Degree Type	·+							
Associate's degree	<mark>236</mark>	44	0	296	0	0	113	689
Bachelor's degree	13	15	86	1	2,876	<mark>10,265</mark>	0	13,256
Total	239	69	86	297	2,876	<mark>10,265</mark>	113	13,945



Race and Ethnicity of Associate's and Bachelor's Degrees Completers, 2010-2022

	State Stude	10	
Race/Ethnicity	Freq.	Percent	Cum.
African American American Indian/Alaskan Native Asian Hispanic Nonresident Pacific Islander Two races or more Unknown White	8,437 1,243 16,358 37,433 384 1,439 8,931 6,994 82,456	5.15 0.76 9.99 22.87 0.23 0.88 5.46 4.27 50.38	5.15 5.91 15.91 38.78 39.01 39.89 45.35 49.62 100.00
Total	163,675	100.00	

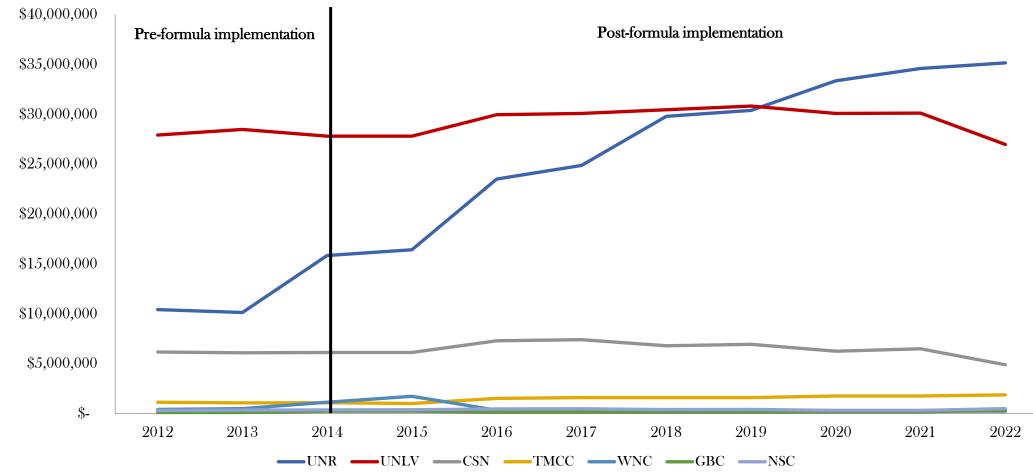
In-state Students

WUE/Nevada Advantage Students

Race/Ethnicity	Freq.	Percent	Cum.
African American American Indian/Alaskan Native Asian Hispanic Nonresident Pacific Islander Two races or more Unknown White	413 58 1,201 1,886 101 130 951 355 8,850	2.96 0.42 8.61 13.52 0.72 0.93 6.82 2.55 63.46	2.96 3.38 11.99 25.51 26.24 27.17 33.99 36.54 100.00
	13,945	100.00	

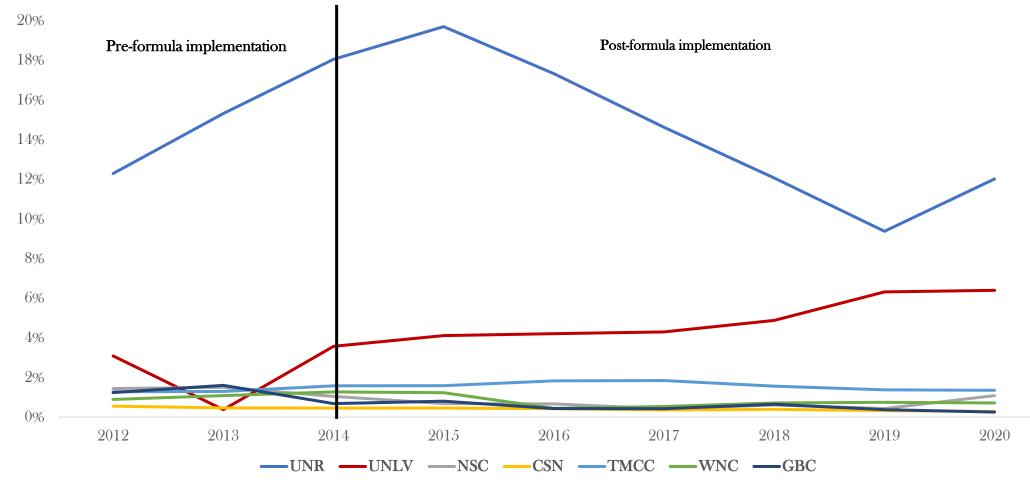


Non-resident Tuition, 2012-2022



Source: NSHE Operating Budget for fiscal years 2012-2022.

WUE Students as Share of Total Undergraduate Enrollments, 2012-2022



Note: Total undergraduate enrollment includes non-degree seeking students expect for 2012 for UNLV and UNR Source: Data from Western Undergraduate Exchange Enrollment Reports for 2012-2020 and NSHE Fall Enrollment Reports

BROOKINGS MOUNTAIN WEST

Next Steps

- Continue working with OWINN to improve NPWR
- finalize deliverables (research brief, fact sheets, and data visualizations,)
- Potential extensions:
 - Examine NSHE degree attainment life-cycles from certificates to graduate and professional degrees
 - Integrate the NDE and NSHE data with the DETR wage data to evaluate:
 - Workforce patterns
 - Retention of out-of-state degree and certificate earners
 - Demographic differences in earnings among those with the same educational attainment





www.unlv.edu/brookingsmtnwest www.unlv.edu/lincyinstitute