

Economic Development in Nevada's Changing Economy

April 13, 2022



Nevada Governor's Office of
ECONOMIC DEVELOPMENT

Nevada's Plan for Recovery and Resilience

GOED Vision: A Diverse, Innovative, Sustainable and Resilient Economy

SRI mapped Nevada's assets and identified state-wide strengths and weaknesses in six principal areas:

- Innovation ecosystem
- Economy
 - Diversification of Economic Base
 - Skilled Workforce Attraction/Retention
- Physical Infrastructure
 - Energy, Broadband, Transportation, Housing
- Quality of Life
 - Health, Safety, Education, Recreation
- Governance
 - Institutional Assets, Taxation, Business-Friendly Environment
- Natural Resources
 - Land, Minerals, Water

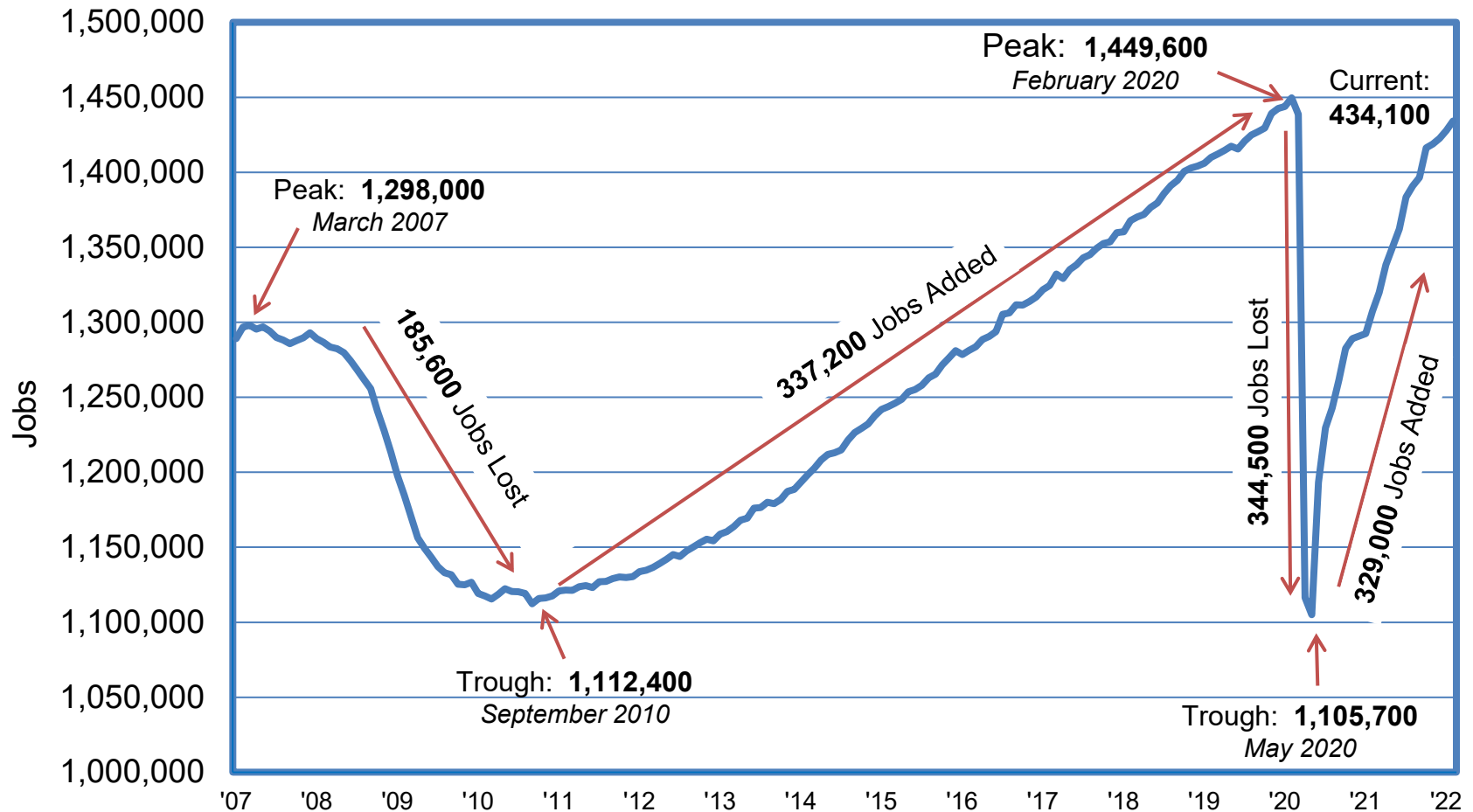
Economic Overview

- February jobs: 1,434,100

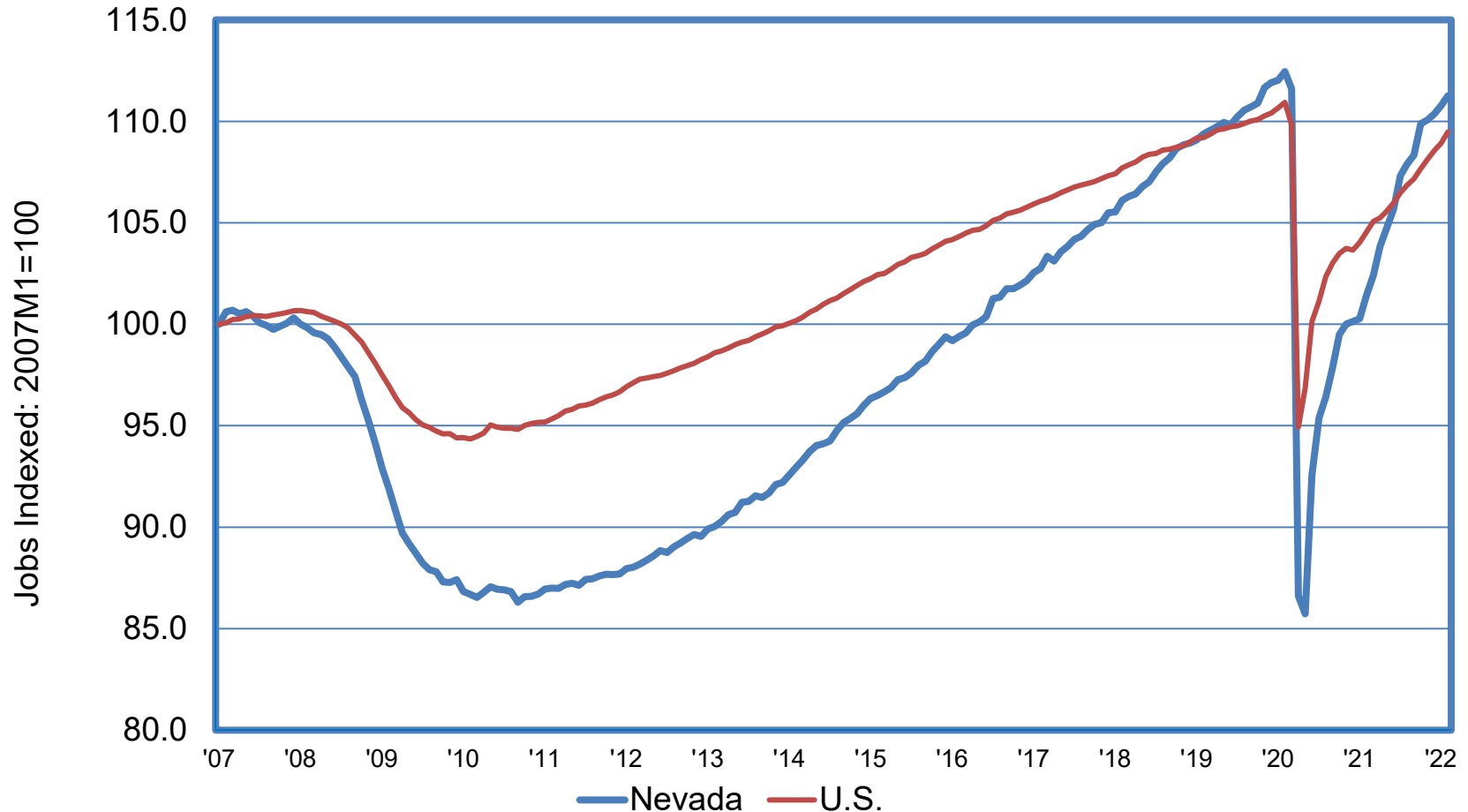


- In April 2020 we lost 333,200 jobs with an unemployment rate of 28.5 percent
- 282,100 of the 333,200 lost jobs were in Clark County (85 percent)
- Service based industries most exposed to the economic downturn
 - Service producing down 24.7 percent vs. goods producing down 8.2 percent
- As of February, we have recovered 95.3 percent or 317,700 of the lost jobs
 - Still down 15,500 total jobs, 32,300 of which are in Accommodations and Food Services; 34,000 in Leisure and Hospitality as a whole.
 - We lost 210,000 Leisure and Hospitality jobs and have regained 176,000 (83.8%)
- February state unemployment rate: 5.1 percent
 - Las Vegas unemployment at 5.3 percent and Reno at 2.8 percent
- Labor Force Participation Rate now at 59.6 percent

Nevada's Procyclical Economy

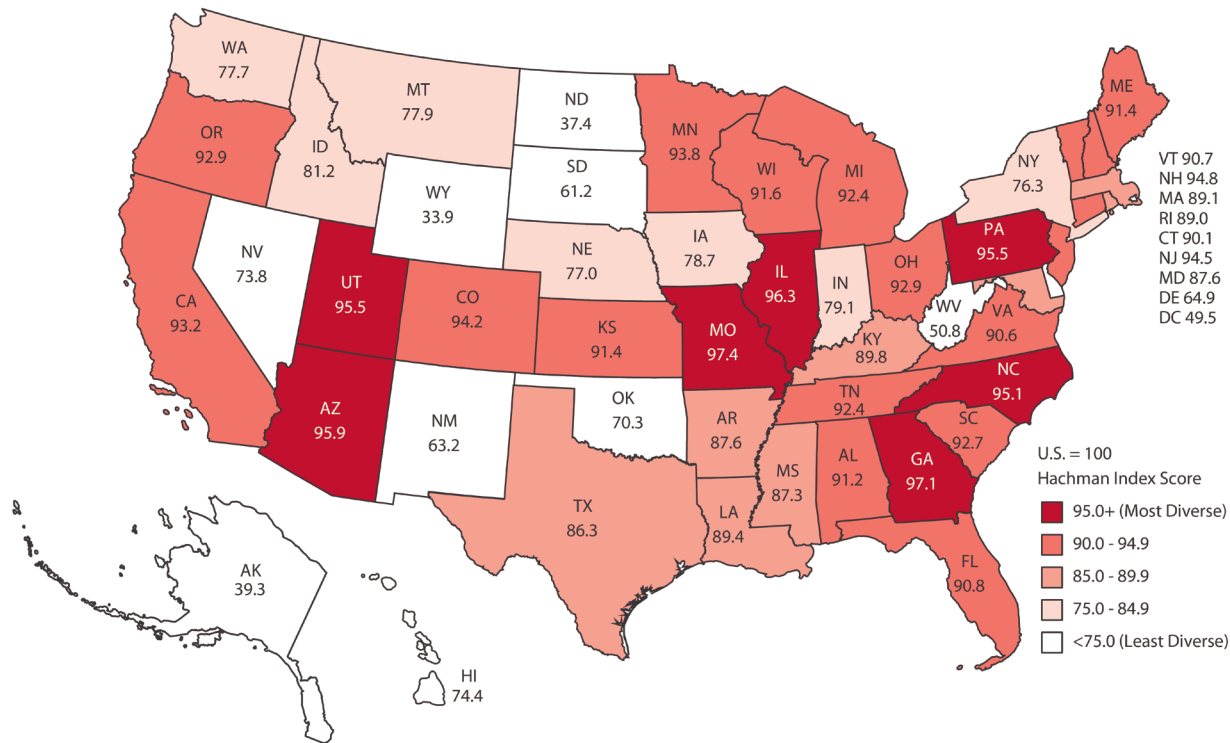


Nevada's Procyclical Economy

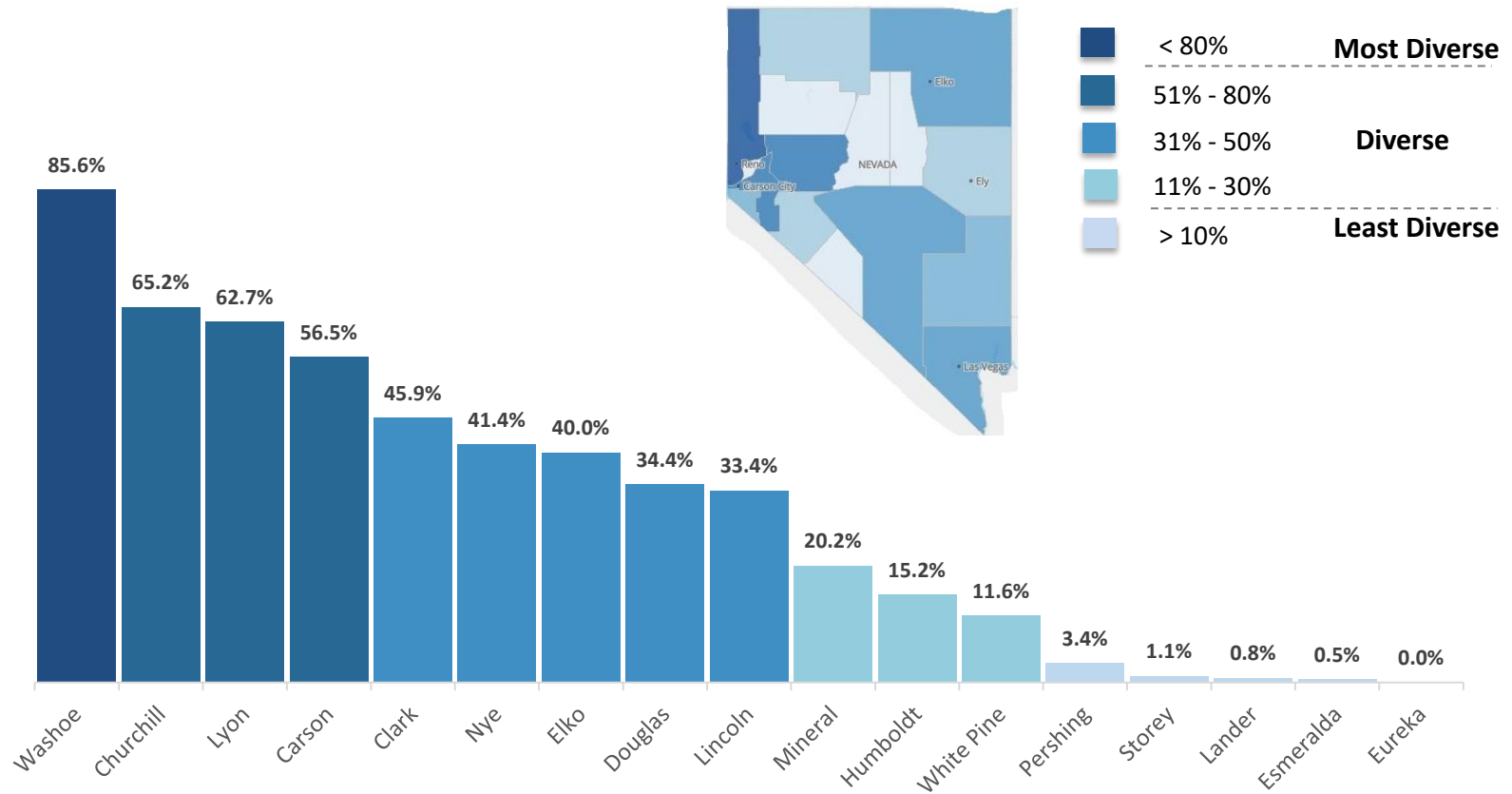


Nevada's Procyclical Economy

Competitive Environment:	UT	AZ	CO	NV
Measure of Economic Diversity (Hachman Index)	95.5 Most Diverse	95.9 Most Diverse	94.2 Diverse	73.8 Least Diverse
Top Four Targeted Industries for Diversification	Same	Same	Same	Same



Industry Diversity Index – Nevada Counties



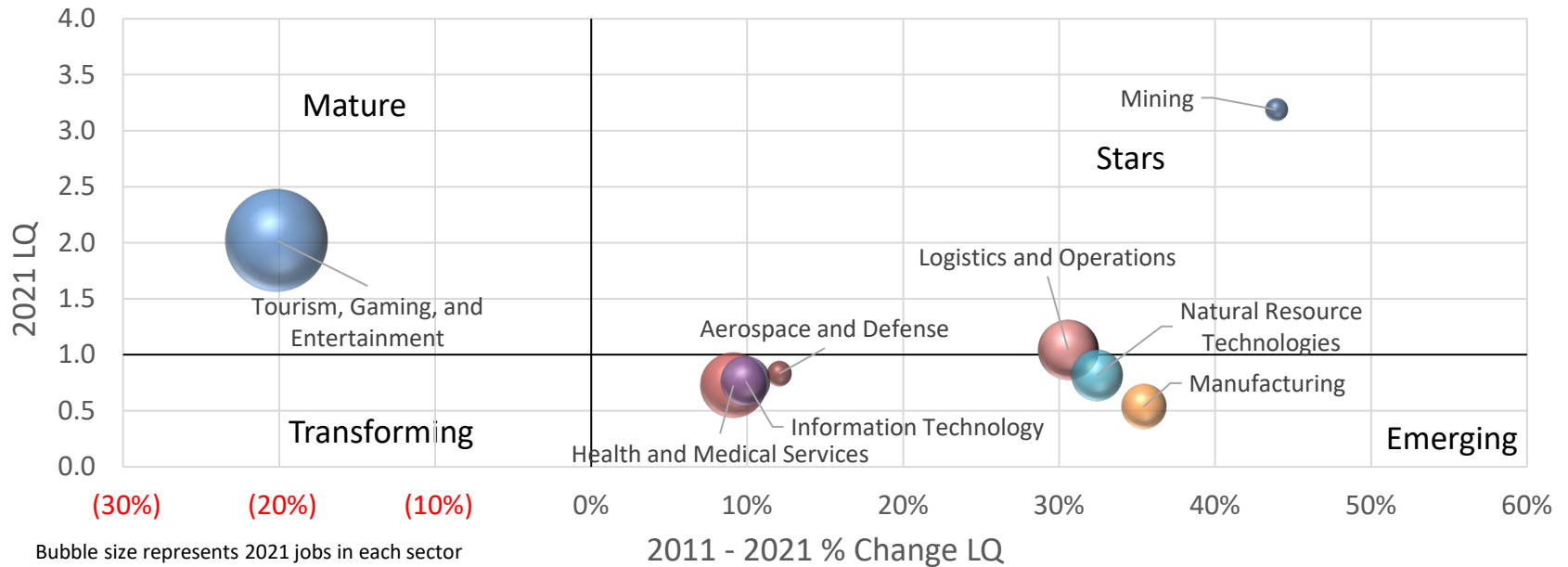
Source: Economic Modeling, LLC (Emsi)

Structural Differences within Nevada's Economy



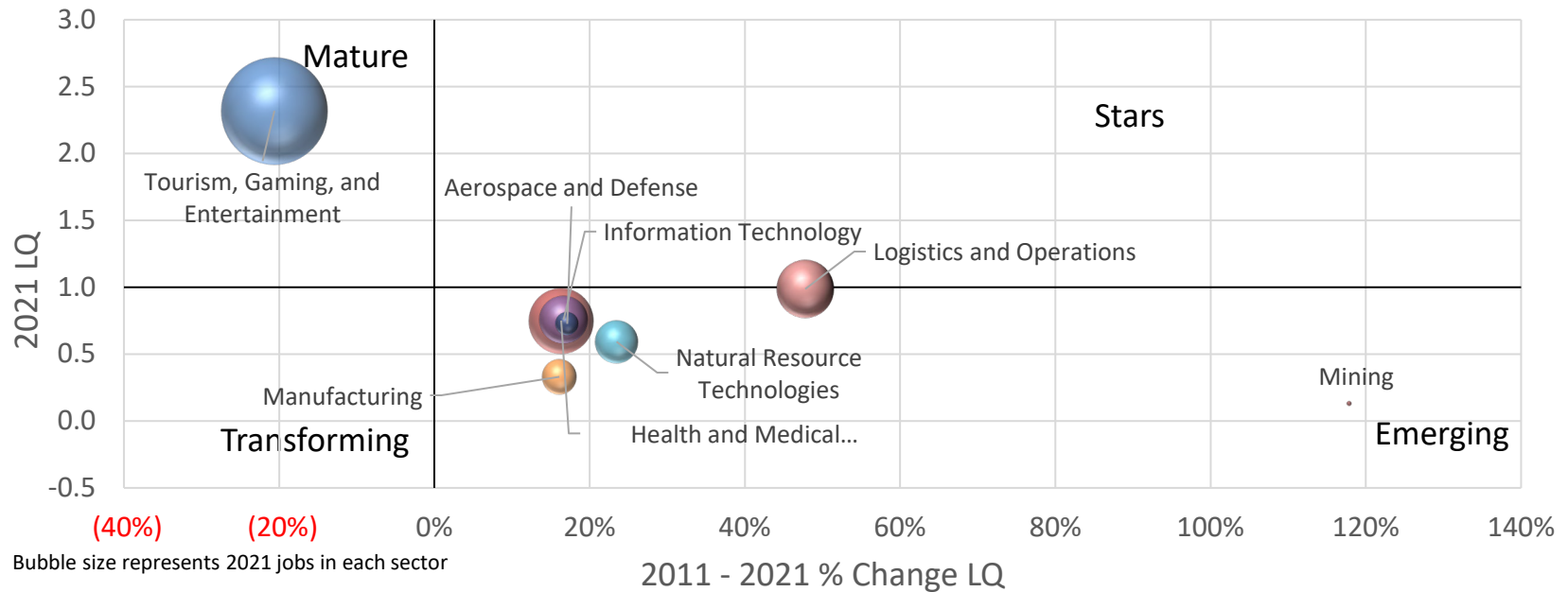
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Nevada's Industry Base



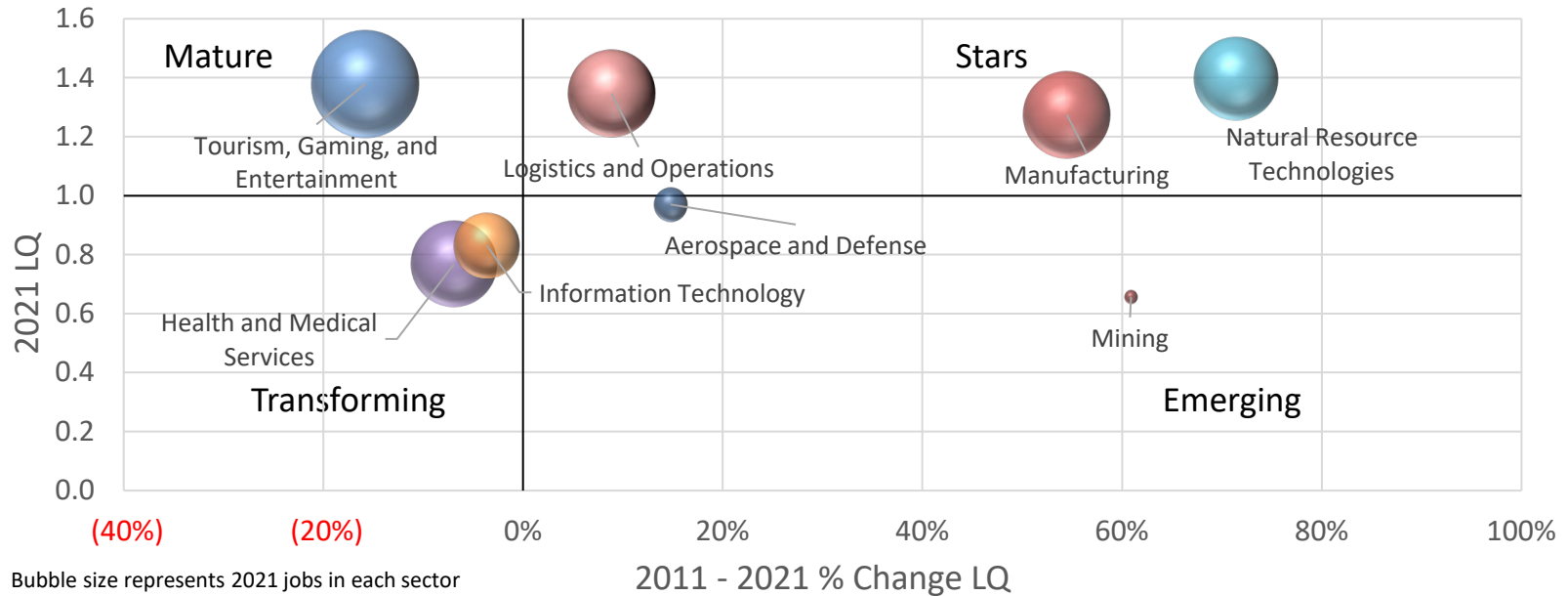
Sector	2011 Jobs	2021 Jobs	2021 LQ	Percent Change LQ	Earnings Per Worker
Mining	14,061	15,024	3.19	44%	\$121,600
Manufacturing	39,613	60,079	0.54	35%	\$86,496
Natural Resource Technologies	47,400	77,247	0.82	32%	\$92,590
Logistics and Operations	65,433	110,010	1.04	31%	\$73,241
Aerospace and Defense	13,530	18,021	0.83	12%	\$112,407
Information Technology	51,868	74,584	0.77	10%	\$77,591
Health and Medical Services	91,805	131,247	0.73	9%	\$75,268
Tourism, Gaming, and Entertainment	392,419	318,850	2.02	(20%)	\$41,954

Southern Nevada's Industry Base

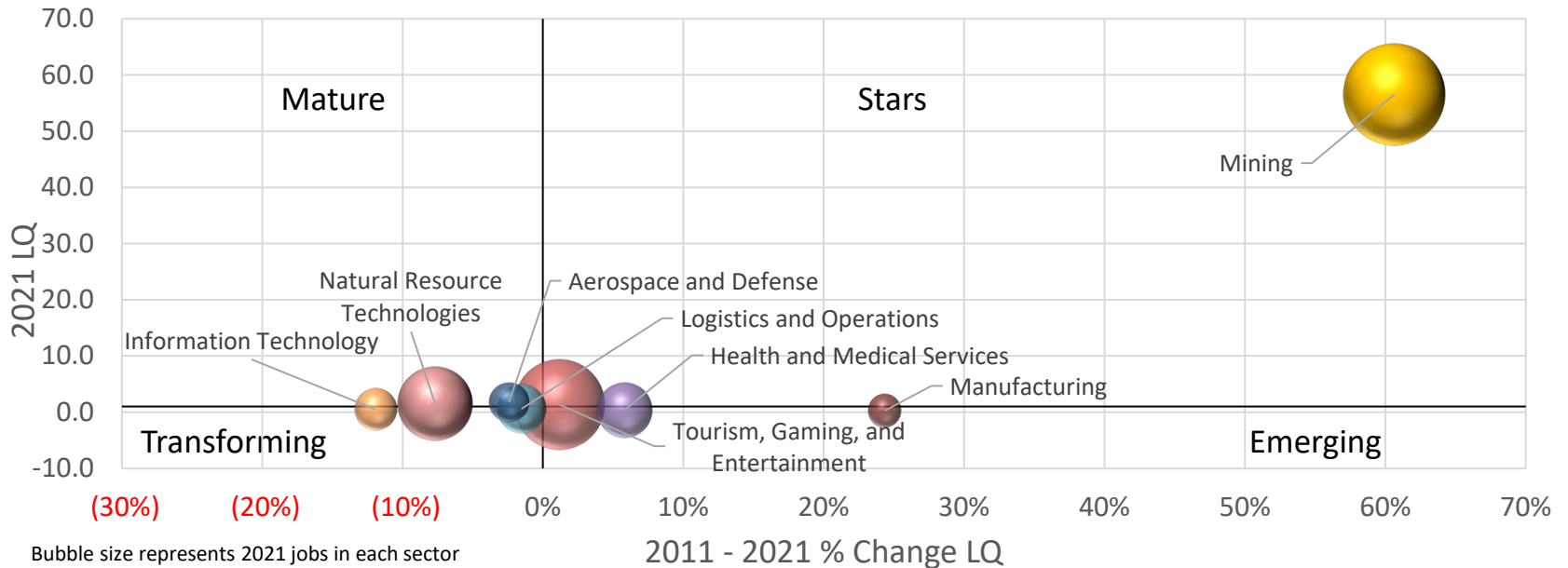


Sector	2011 Jobs	2021 Jobs	2021 LQ	Percent Change LQ	Earnings Per Worker
Mining	276	439	0.13	118%	\$86,088
Logistics and Operations	39,168	73,351	0.99	48%	\$71,160
Natural Resource Technologies	26,445	39,546	0.59	23%	\$89,129
Aerospace and Defense	8,123	11,128	0.73	17%	\$113,920
Information Technology	34,759	52,202	0.76	17%	\$77,449
Health and Medical Services	63,783	95,676	0.75	16%	\$74,554
Manufacturing	20,428	26,140	0.33	16%	\$72,881
Tourism, Gaming, and Entertainment	324,999	258,390	2.32	(21%)	\$43,231

Northern Nevada's Industry Base

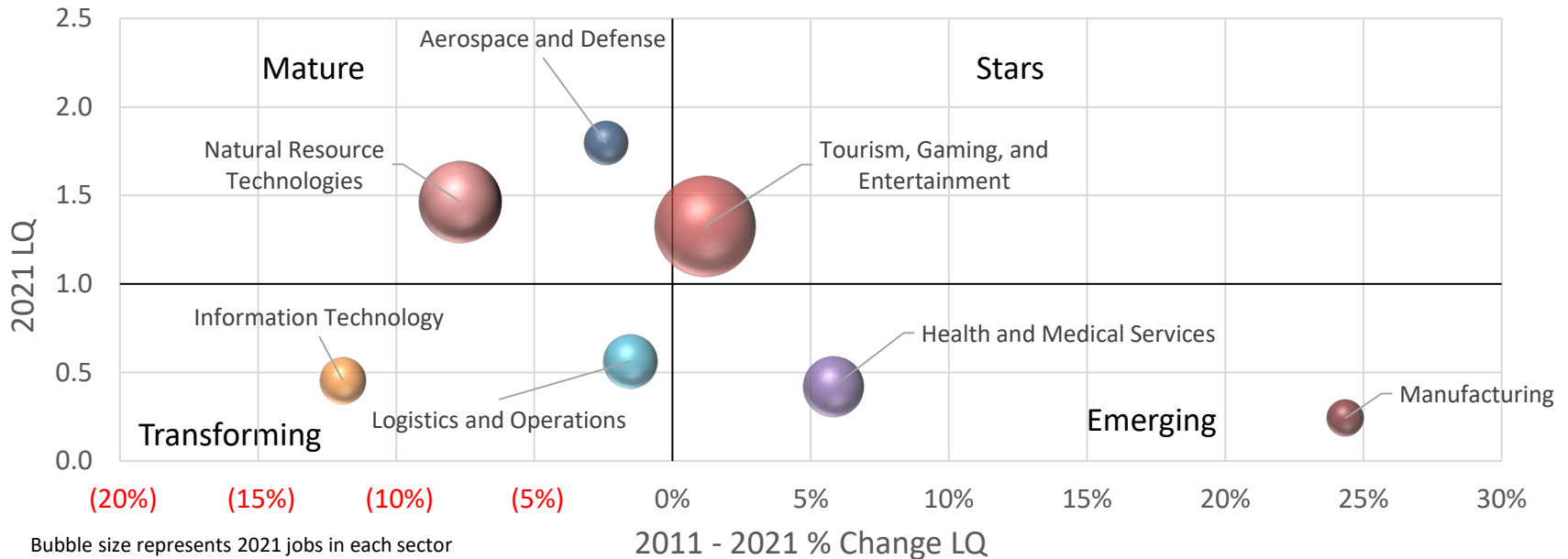


Balance of State Industry Base

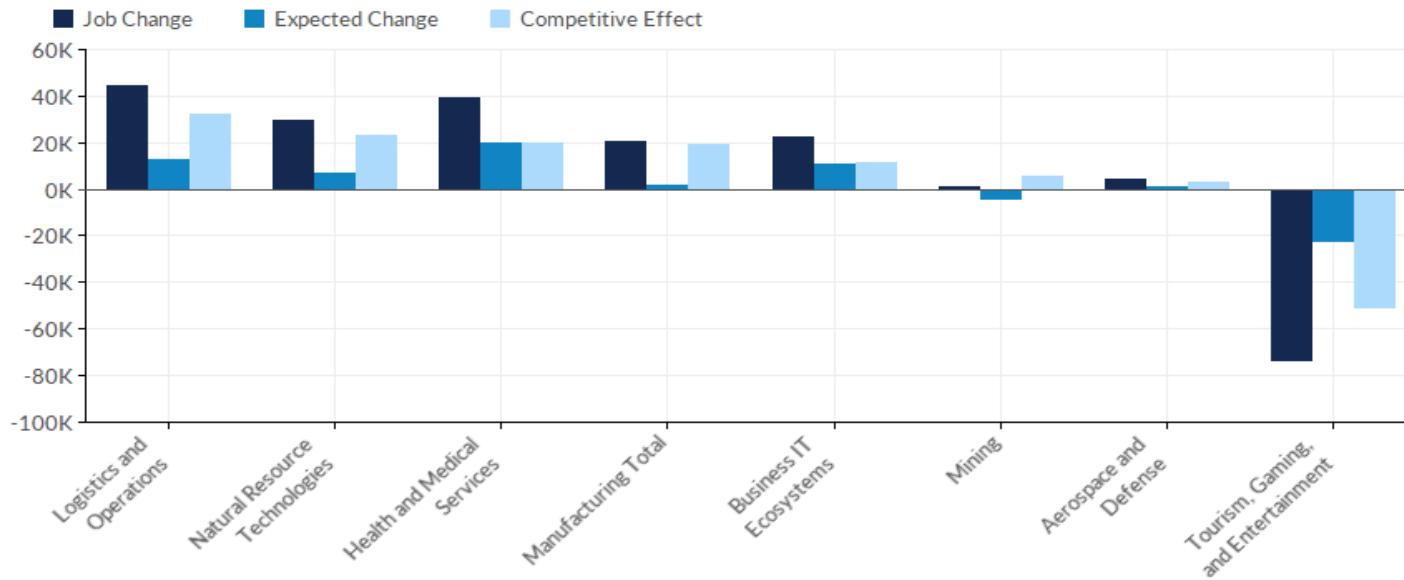


Sector	2011 Jobs	2021 Jobs	2021 LQ	Percent Change LQ	Earnings Per Worker
Mining	13,050	13,882	56.52	61%	\$122,683
Manufacturing	1,140	1,416	0.24	24%	\$77,721
Health and Medical Services	3,196	3,953	0.42	6%	\$62,841
Tourism, Gaming, and Entertainment	11,863	10,896	1.33	1%	\$30,902
Logistics and Operations	2,723	3,079	0.56	(2%)	\$85,208
Aerospace and Defense	1,963	2,031	1.80	(2%)	\$123,519
Natural Resource Technologies	7,121	7,215	1.46	(8%)	\$81,411
Information Technology	2,241	2,303	0.45	(12%)	\$73,806

Balance of State – a Diversifying Economy?

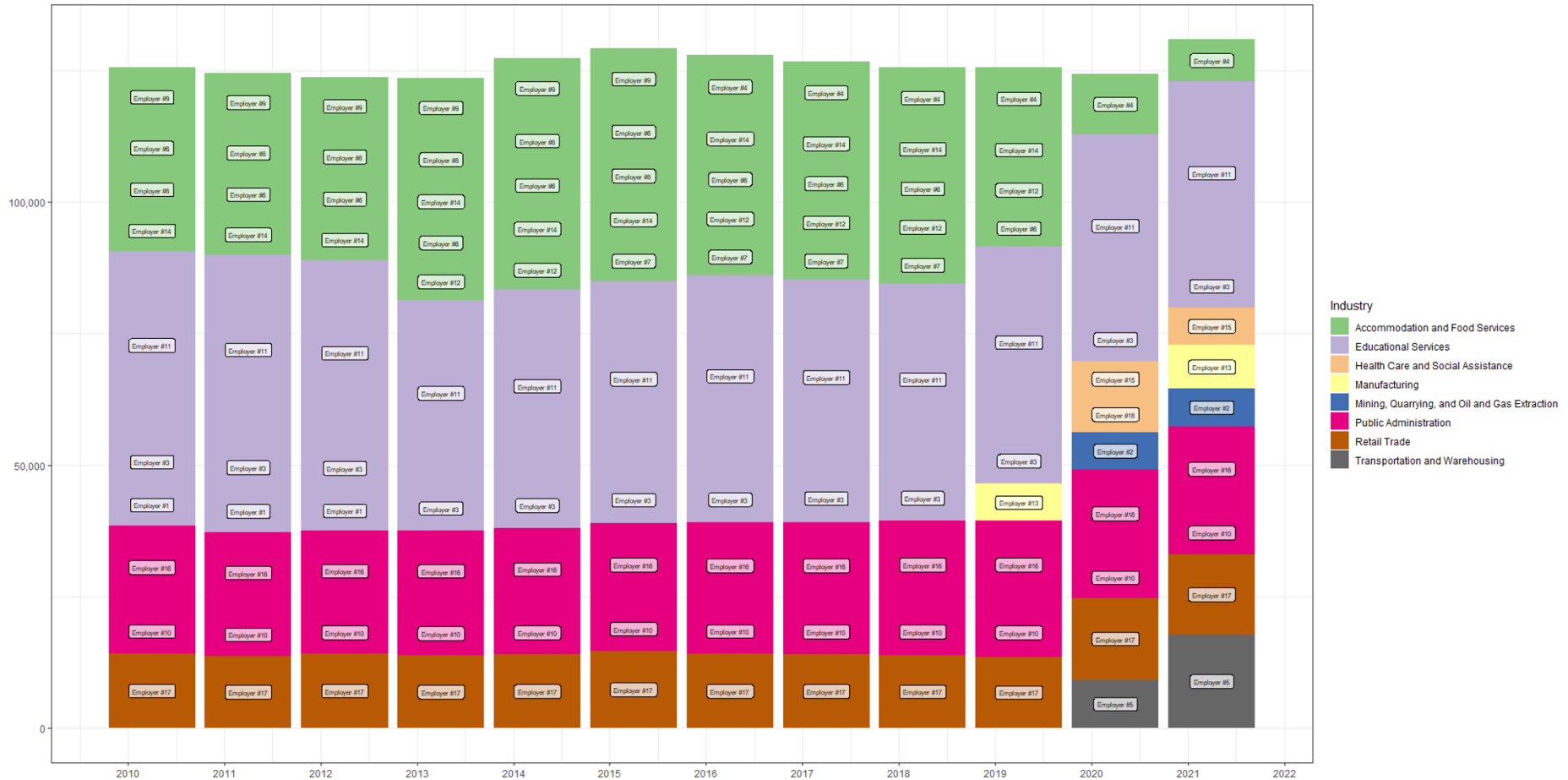


Nevada's Diversifying Economy

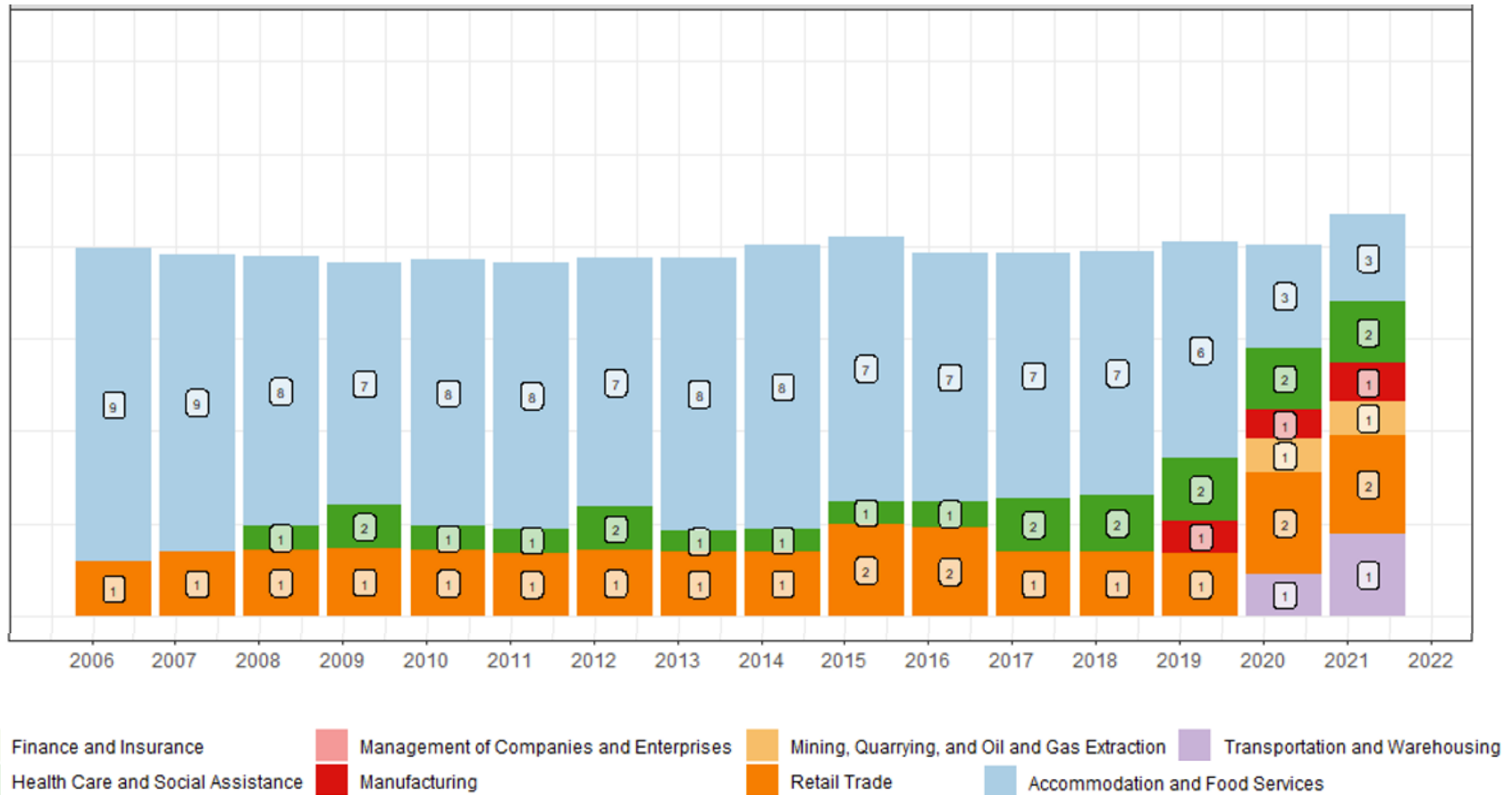


Sector	Job Change 2011 - 2021	Expected Growth Explained by National Growth and National Industry Growth	Northern Nevada's Competitive Effect Over the Past Ten Years	Earnings Per Worker
Logistics and Operations	44,577	12,591	31,986	\$73,241
Natural Resource Technologies	29,846	6,616	23,230	\$92,590
Health and Medical Services	39,442	19,585	19,857	\$75,268
Manufacturing	20,466	1,475	18,991	\$86,496
Information Technology	22,716	10,979	11,737	\$77,591
Mining	963	(4,394)	5,357	\$121,600
Aerospace and Defense	4,491	1,364	3,127	\$112,407
Tourism, Gaming, and Entertainment	(73,569)	(22,547)	(51,022)	\$41,954

Ten Largest Employers in Nevada by Industry



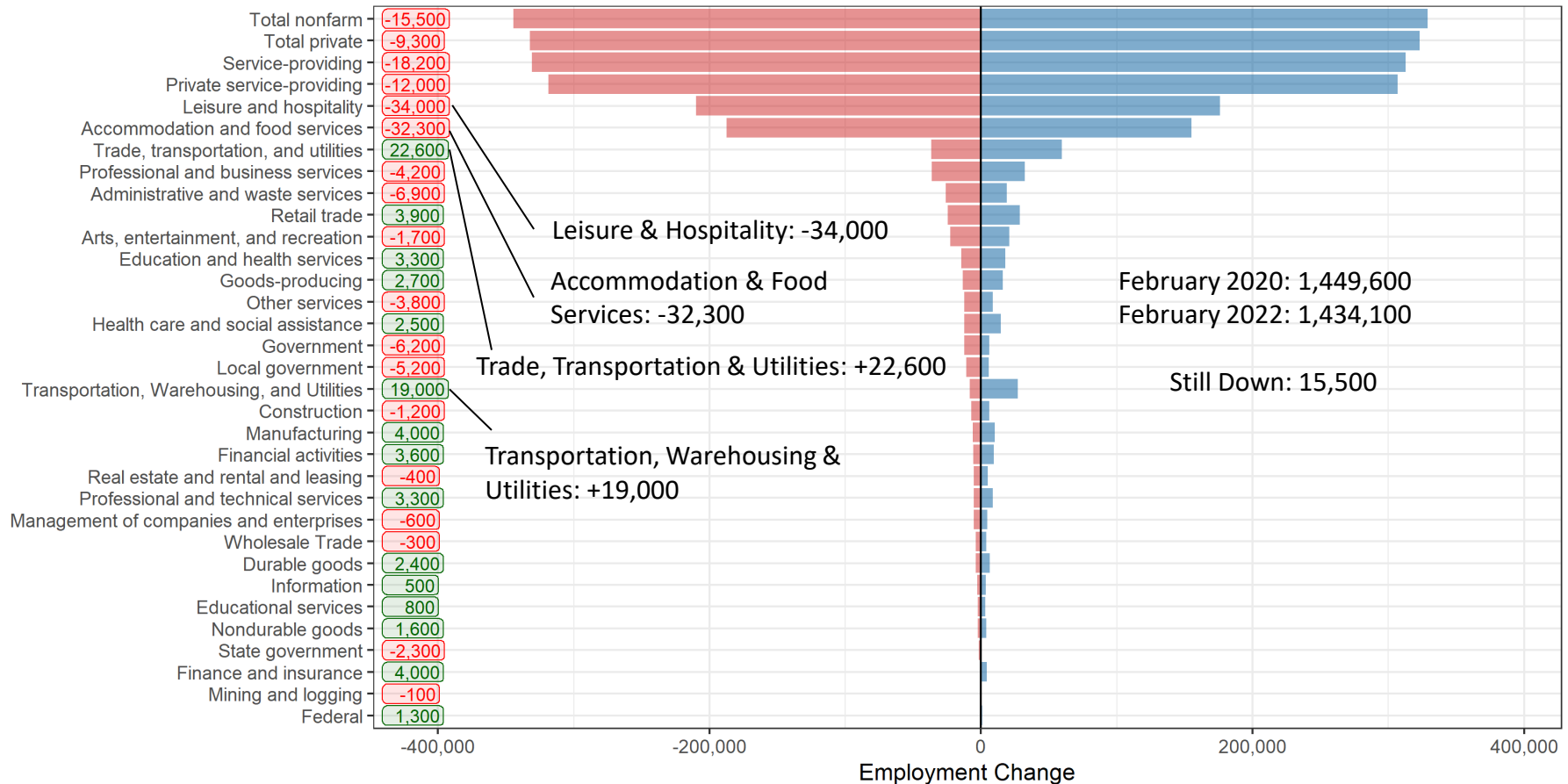
Ten Largest Employers in Nevada by Industry: Private Sector Only



Jobs Lost and Gained: Nevada

Jobs Lost and Gained, Nevada

Jobs Lost Feb 2020 to May 2020, Gained May 2020 to February 2022



Seasonally Adjusted Data

Using Data and Information to Align Economic and Workforce Development: Workforce Analysis



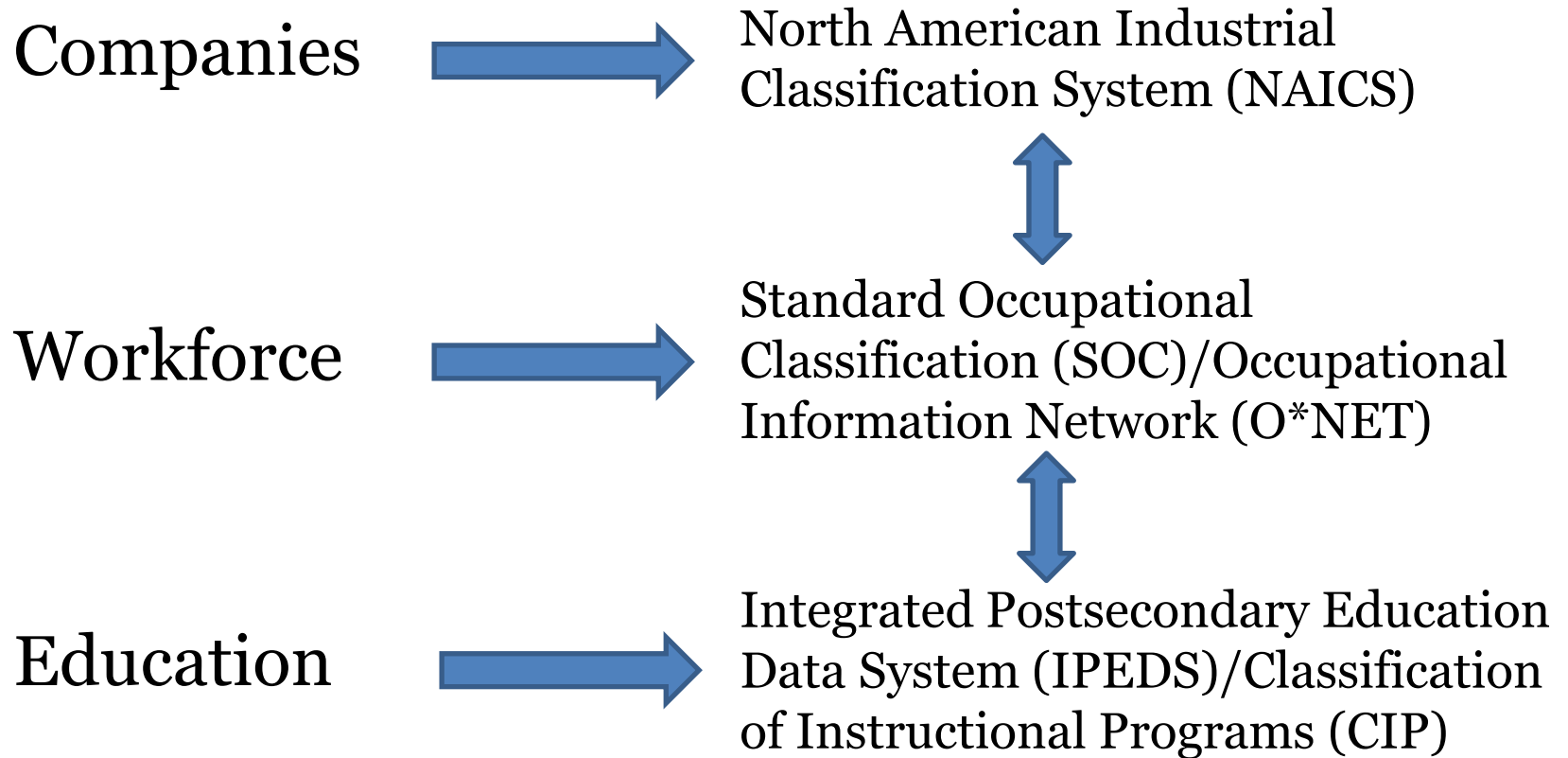
Nevada Governor's Office of
ECONOMIC DEVELOPMENT

Strategic Location Drivers

- 1 Workforce Skills
- 2 Transportation infrastructure
- T3 Ease of permitting and regulatory procedures
- T3 Workforce development
- 5 Utilities (cost, reliability)
- 6 Right-to-work state
- T7 Higher education resources
- T7 State and local tax scheme
- T9 Economic development strategy
- T9 Land/building prices and supply

Source: Site Selection Magazine Survey of corporate real estate executives, October 2021

The Economic and Workforce Information Pipeline



In-Demand Occupation Analysis

Identifying high demand occupations

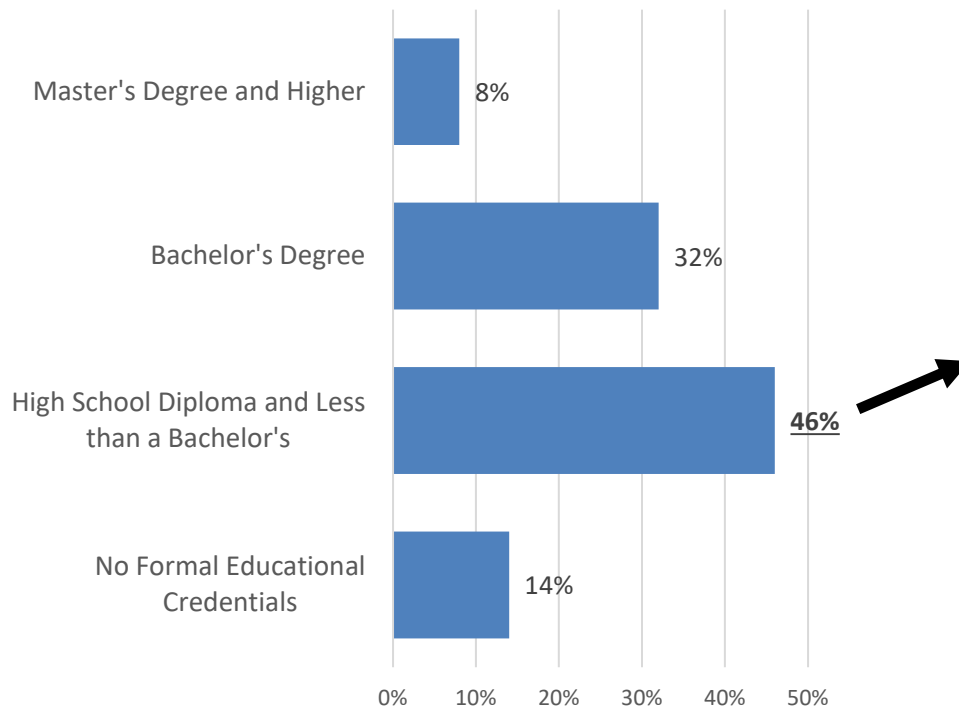
- Target Sector approach
- Real-time job postings
- DETR Occupational Employment Projections
- Brookings STEM Score
- Job openings
- Wages
- Automation
- Covid risk

In-Demand Occupation Rankings

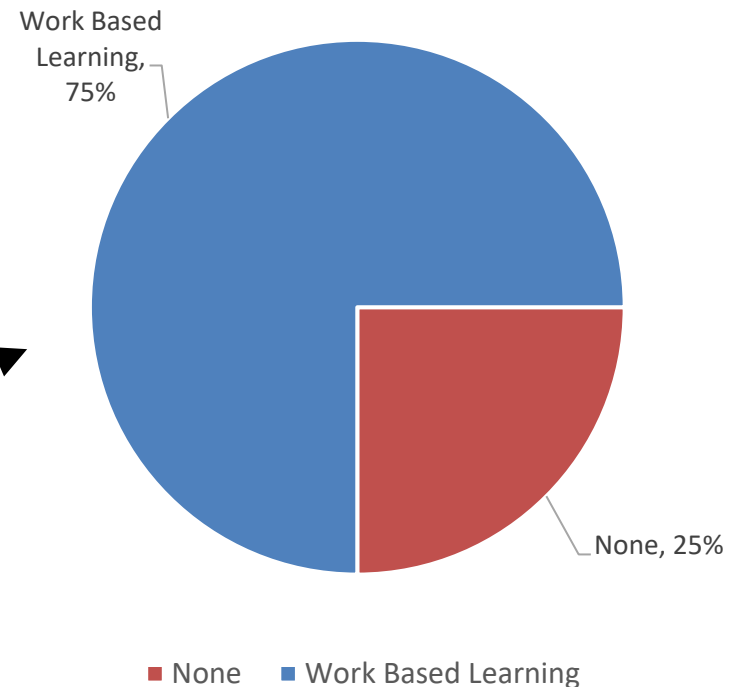
Description	State Rank	Southern Nevada Rank	Northern Nevada Rank	Northeastern Nevada Rank	Central Nevada Rank
Healthcare Diagnosing or Treating Practitioners	1	1	1	1	1
Other Production Occupations	2	2	2	4	5
Construction Trades Workers	3	3	3	2	2
Other Installation, Maintenance, and Repair Occupations	4	4	4	3	3
Engineers	5	5	5	5	4
Metal Workers and Plastic Workers	6	6	7	10	10
Health Technologists and Technicians	7	7	6	7	7
Other Management Occupations	8	8	9	6	6
Business Operations Specialists	9	9	8	8	8
Computer Occupations	10	10	10	13	9
Material Moving Workers	11	11	11	9	13
Counselors, Social Workers, and Other Community and Social Service Specialists	12	12	12	16	11
Drafters, Engineering Technicians, and Mapping Technicians	13	13	13	11	14
Preschool, Elementary, Middle, Secondary, and Special Education Teachers	14	15	14	20	19
Information and Record Clerks	15	14	15	15	12
Life Scientists	16	16	17	17	17
Vehicle and Mobile Equipment Mechanics, Installers, and Repairers	17	17	16	14	16
Financial Specialists	18	18	19	23	25
Extraction Workers	19	25	21	12	15
Art and Design Workers	20	19	18	19	20
Social Scientists and Related Workers	21	20	20	28	27
Textile, Apparel, and Furnishings Workers	22	22	29	29	34
Electrical and Electronic Equipment Mechanics, Installers, and Repairers	23	23	23	21	22
Life, Physical, and Social Science Technicians	24	21	24	18	18
Operations Specialties Managers	25	24	22	22	21
Physical Scientists	26	26	26	24	23
Material Recording, Scheduling, Dispatching, and Distributing Workers	27	27	25	25	26
Other Office and Administrative Support Workers	28	29	27	33	35
Plant and System Operators	29	30	32	26	29
Other Healthcare Support Occupations	30	28	28	27	24

Work-based Learning for Nevada's In-Demand Occupations

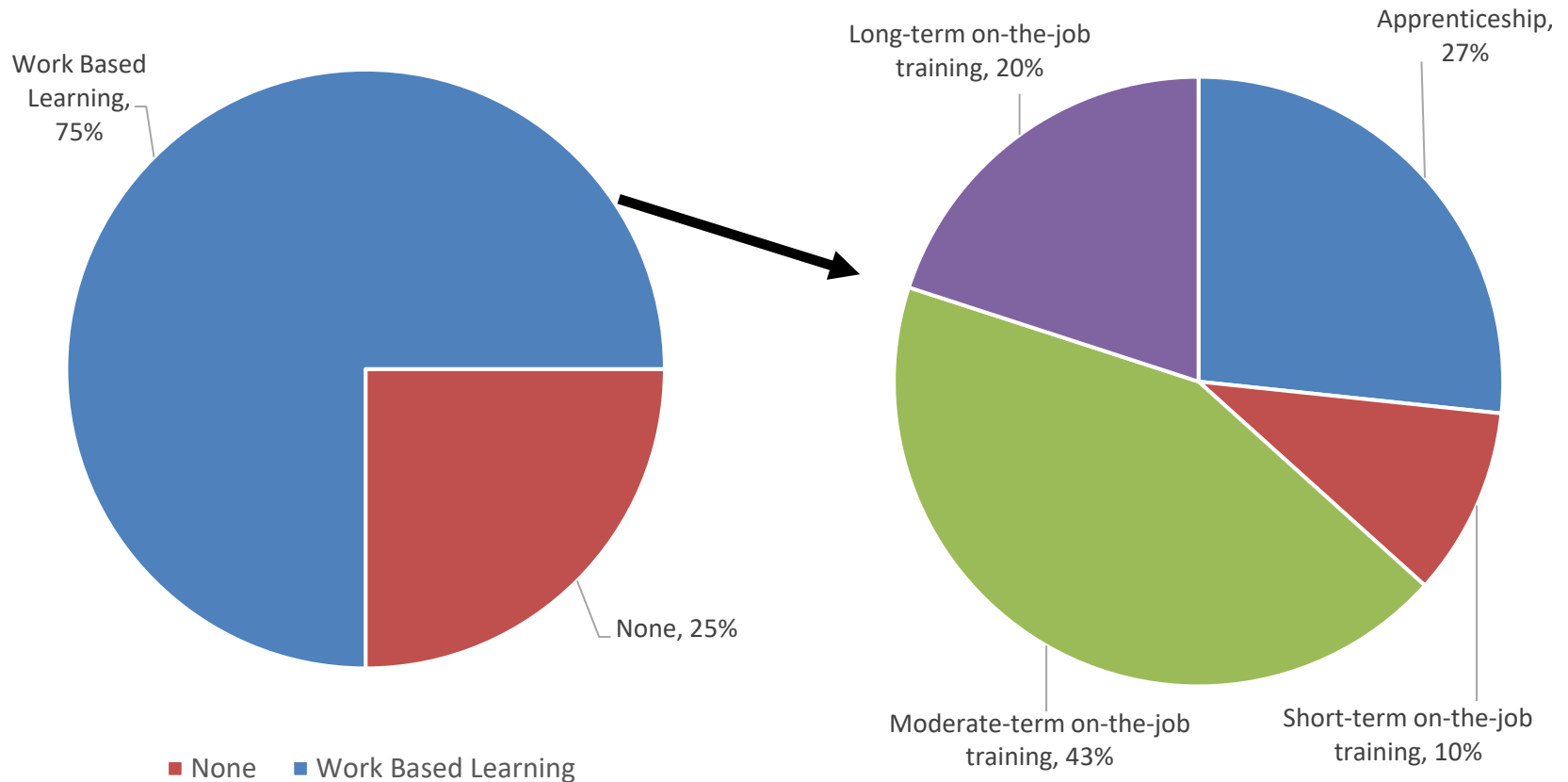
Typical Entry Level Education for Top 100 In-Demand Jobs



Typical On-The-Job Training for In-Demand, Middle Skill Jobs

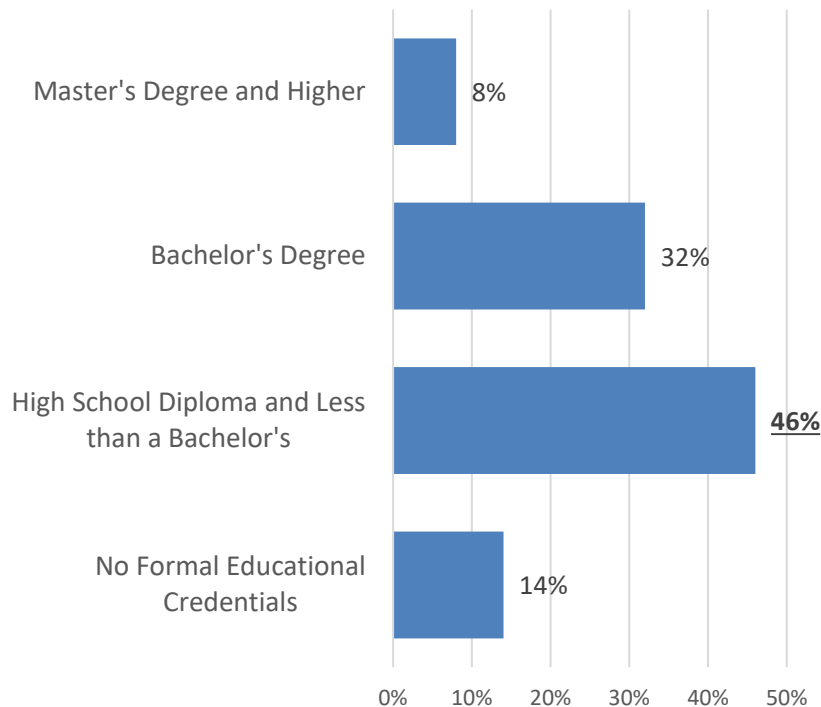


Typical On-The-Job Training for In-Demand, Middle Skill Jobs

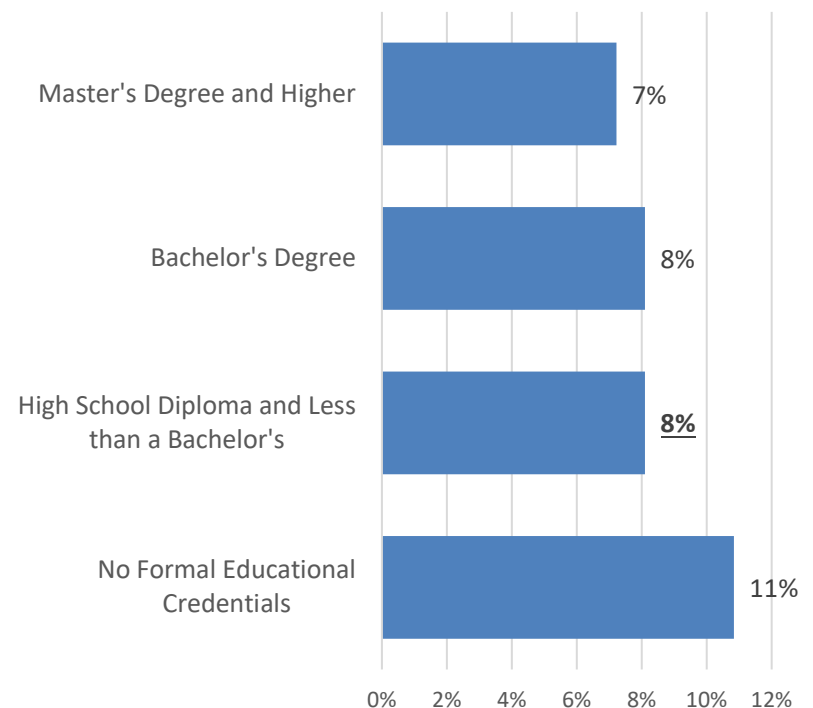


Education Projections: Is Growth Meeting Demand?

Typical Entry Level Education for Top 100 In-Demand Jobs



Percent Change of Education Cohort Populations 2019-2026



The Story

- GOED Vision: A Diverse, Innovative, Sustainable and Resilient Economy.
- Nevada's procyclical economy leaves us particularly exposed to economic downturns.
- All regions of the state are diversifying, but at different rates.
- Northern Nevada fared much better than Southern Nevada because of a more diversified economy.
- The pandemic has accelerated diversification across the state and created unprecedented opportunity to stabilize Nevada's procyclical economy.
- We need to be clear on what our constraints are so together we can manage and take advantage of the opportunity in front of us.
 - Water
 - Land
 - Workforce

Governors Office of Economic Development

Bob Potts

Deputy Director

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NEVADA'S WORKFORCE ECOSYSTEM

DEPARTMENT OF EMPLOYMENT,
TRAINING AND REHABILITATION

PRESENTATION TO AB450 COMMITTEE

APRIL 13, 2022

- Workforce ecosystem
- High level priorities
- DETR workforce roles





WORKFORCE ECOSYSTEM



Workforce Innovation & Opportunity Act (WIOA) funding, grants



Service and training providers



Credentials and credentialing agencies

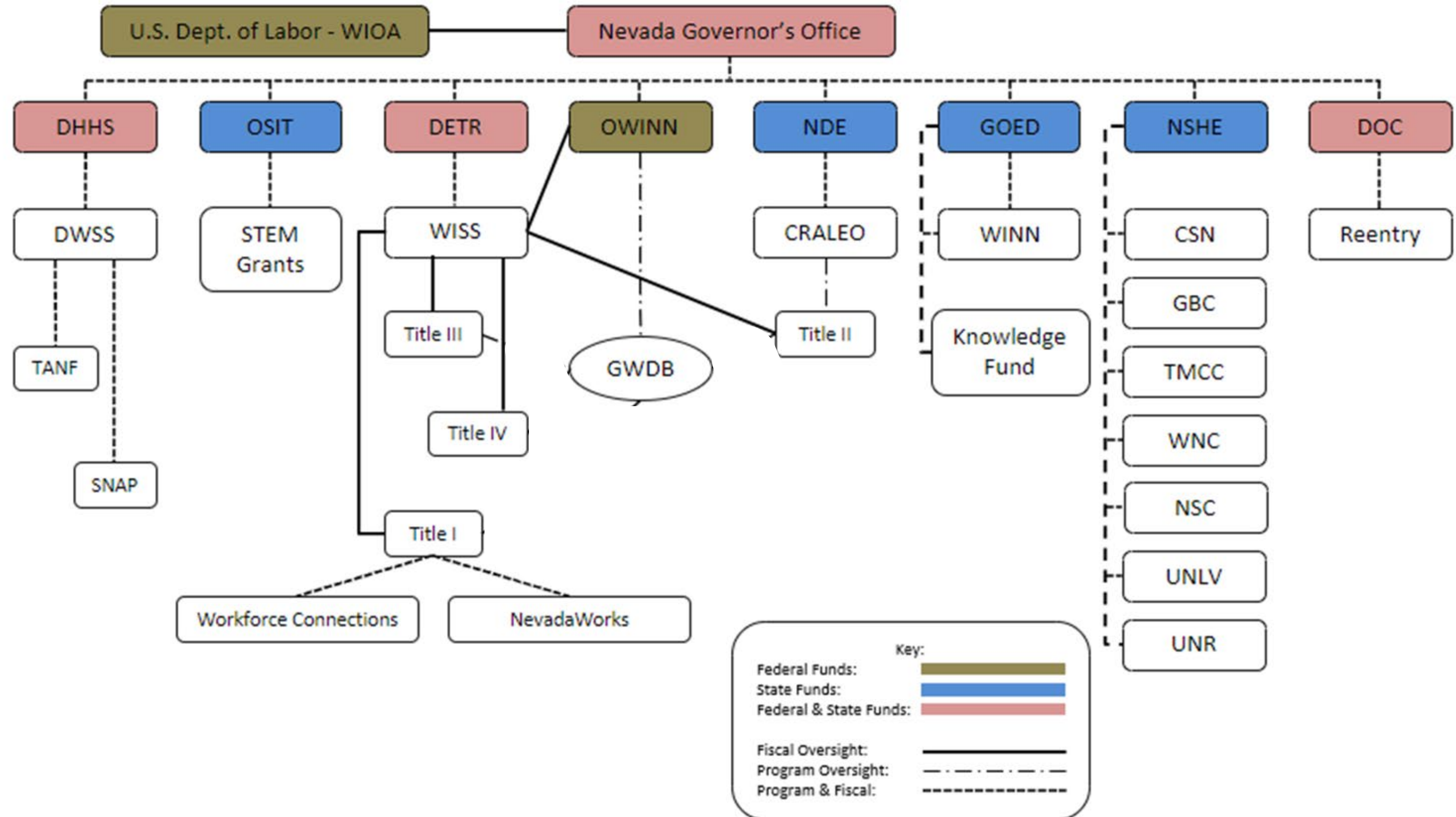


Employers, labor, and job seekers



Policy makers and regulators

Nevada's Public Workforce System





WORKFORCE ECOSYSTEM PRIORITIES



Build on the Governor's vision to be sure we have a resilient, aligned and effective workforce ecosystem



Help Nevadans get "middle skills" (more than high school diploma, less than four year degree)





LEVELING UP OUR WORKFORCE ECOSYSTEM IS UNDERWAY

- Strategic initiatives started for key priorities
- Community colleges critical partners



CRITICAL INITIATIVES UNDER WAY

- Data to optimize investments
- Quality credentials
- More free training, community college and apprenticeships
- Industry specific teams: education, health care, childcare, climate



DETR Workforce Roles

- Employment Security Division
 - Governor's Office of Workforce Innovation
 - Commission for Postsecondary Education
- Vocational Rehabilitation
- Research & Analysis





EMPLOYMENT SECURITY DIVISION



WIOA TRAINING AND SERVICES



COMMISSION FOR
POSTSECONDARY
EDUCATION



WIOA BUSINESS SERVICES



EMPLOYNV.GOV



ESD WORKFORCE GRANTS

- Department of Labor
Disaster Recovery Grant -
\$4,363,745
- Department of Labor
Employment Recovery
Grant - \$10,948,823



TRAINING & SERVICE PROVIDERS



DETR
Job Connect offices
statewide



Workforce Connections -
Las Vegas



Nevadaworks - Reno



GOVERNOR'S OFFICE OF WORKFORCE INNOVATIONS



Governor's Workforce
Development Board



Industry Sector Councils



Nevada P-20 WF Reporting (NPWR)



GOWINN WORKFORCE GRANTS

- Department of Labor State Apprenticeship Expansion 2020
- \$450,000
- Department of Education Reimagine Grant for Project
SANDI - Supporting and Advancing Nevada's Dislocated
Individuals - \$13,818,298
- Department of Labor H-1B Rural Healthcare Grant -
\$2,500,000
- Department of Labor Accelerating Nevada Apprenticeships
for All (ANAA) Grant - \$3,999,997

VOCATIONAL REHABILITATION

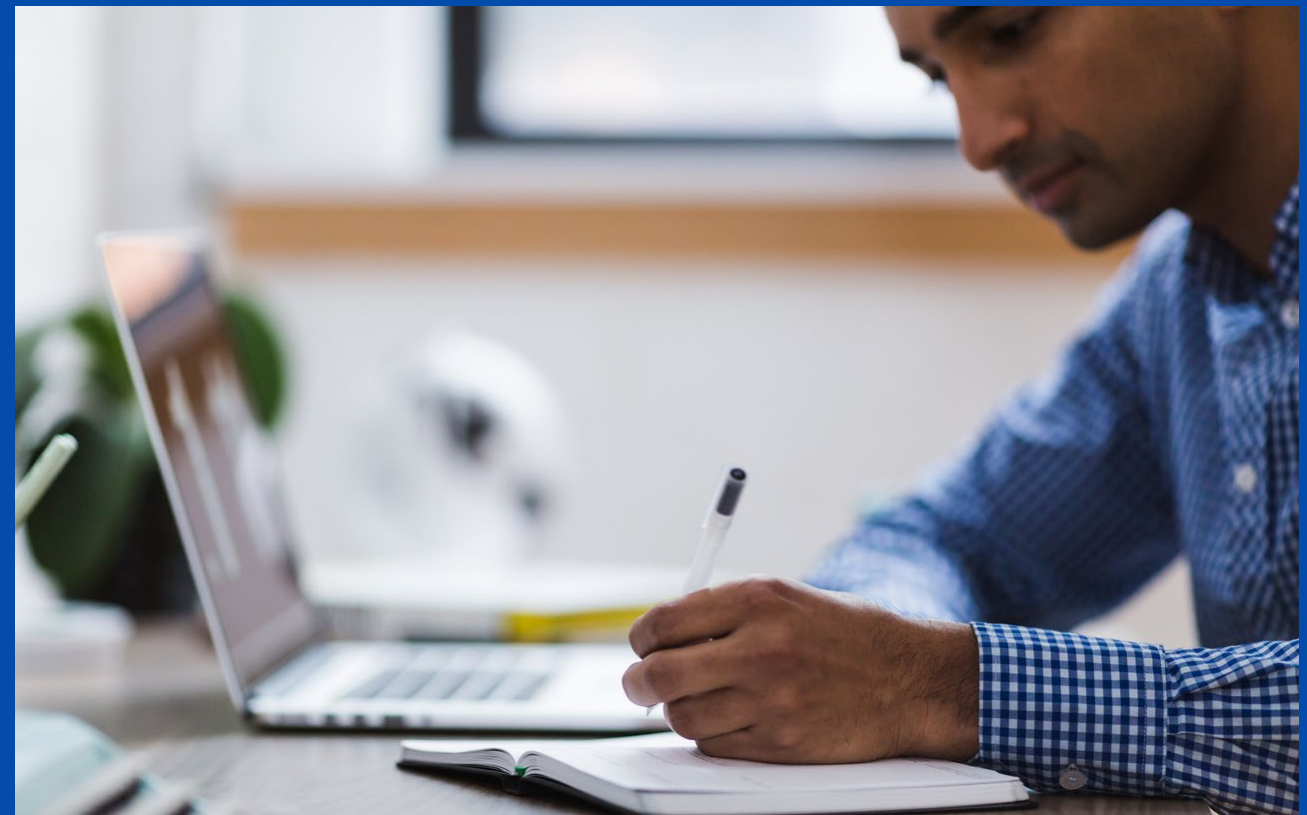
- Bureau of Services to Persons who are Blind and Visually Impaired
- Bureau of Vocational Rehabilitation
- Supported Employment Program



DETR



Research & Analysis



- Labor Market Information
- Employment Reports
- Unemployment Tracking





COMMUNITY COLLEGES ARE CRITICAL PARTNERS



Services and training for job seekers



Credentials & degrees



Nimble industry specific training



Research & data



QUESTIONS?



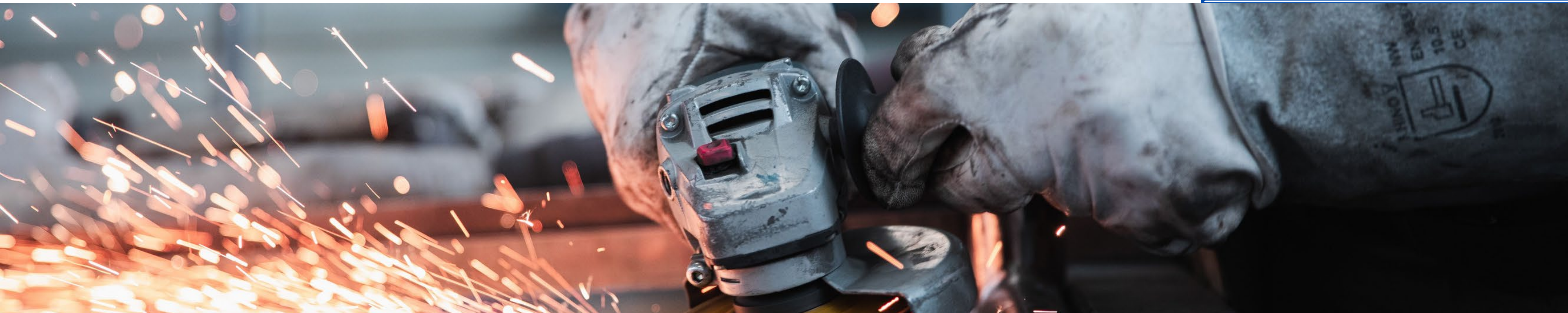
DETRAdmin @detr.nv.gov



775 -684 -3911



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Presentation to the Community College Workforce Training & Programs Committee

Craig Statucki

**Director, Office of Career Readiness,
Adult Learning, and Education Options**

Nevada Department of Education

Overview of Career and Technical Education (CTE)



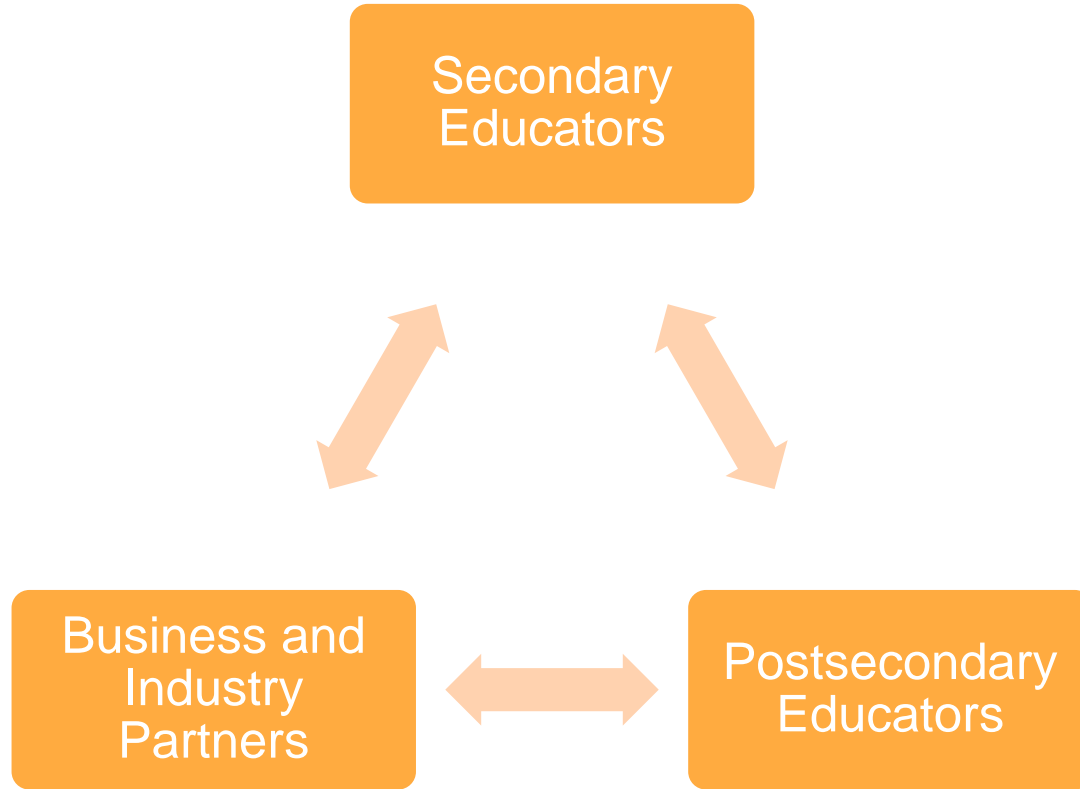
- During the 2021-22 school year, 76,317 (50.6%) high school students are enrolled in a CTE program of study and 2,269 middle school students are in a recognized middle school course
- There are 74 secondary CTE programs of study that are aligned to State standards developed in partnership between secondary educators, postsecondary educators, and business and industry partners
- Secondary CTE programs are funded through Perkins V (federal) and State CTE grants

CTE Career Clusters



Agricultural, Food and Natural Resources	Architecture and Construction	Arts, A/V Technology, and Communication	Business Management and Administration
Education and Training	Finance	Government and Public Administration	Health Science
Hospitality and Tourism	Human Services	Information Technology	Law, Public Safety, Corrections, and Security
Manufacturing	Marketing	Science, Technology, Engineering, and Mathematics	Transportation, Distribution, and Logistics

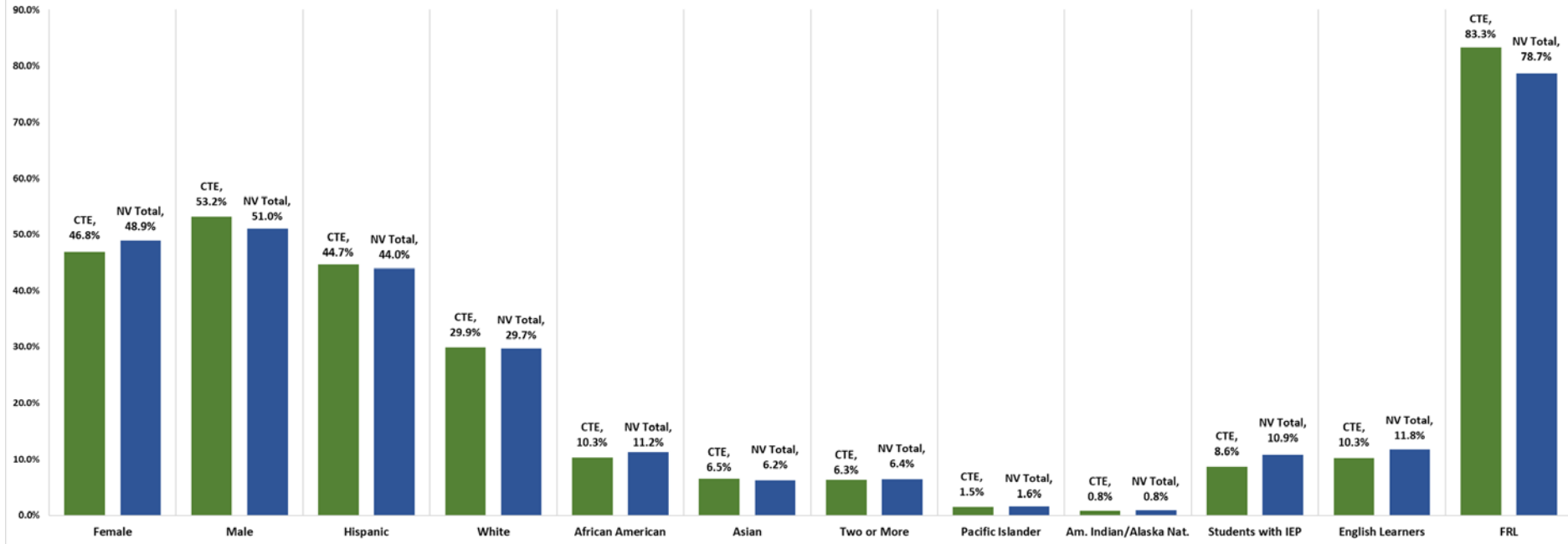
CTE Program and Standards Development



Secondary CTE Enrollment



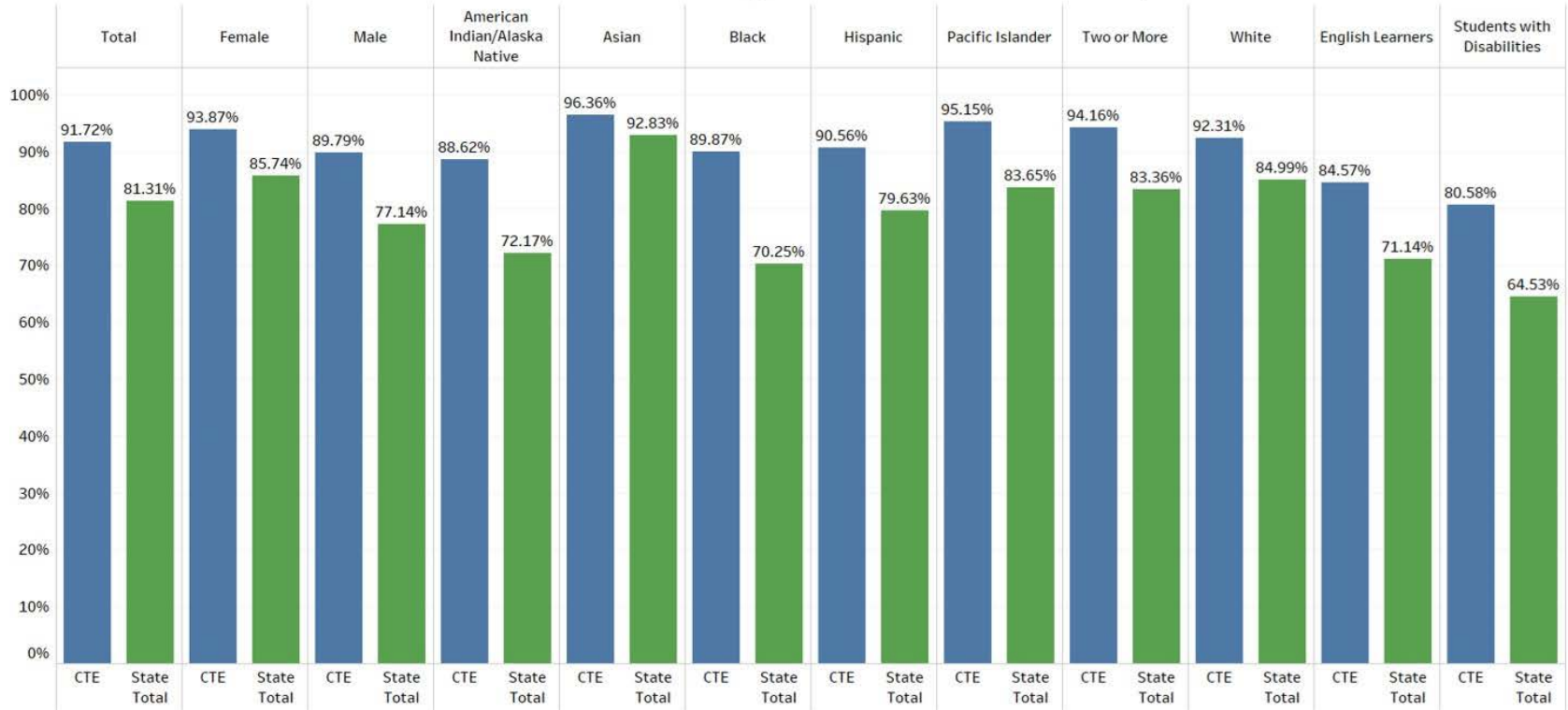
Disaggregated 2021-22 CTE and Statewide Enrollment Data



CTE Graduation Rates



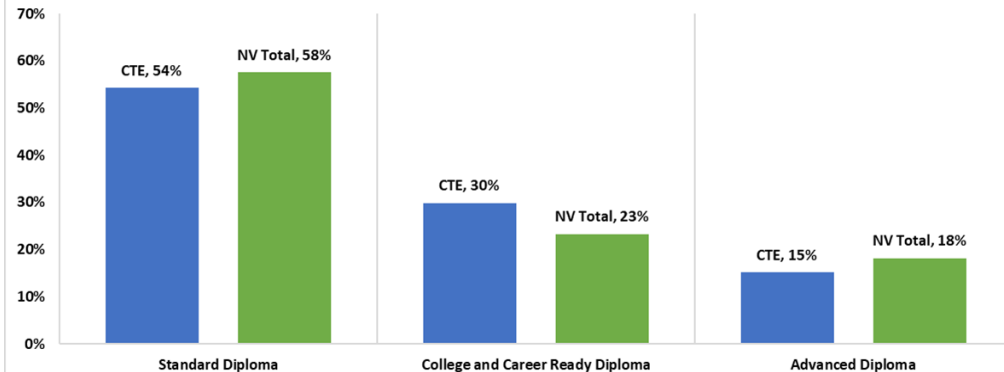
2020-2021 Graduation Rate (CTE Concentrator and State Total)



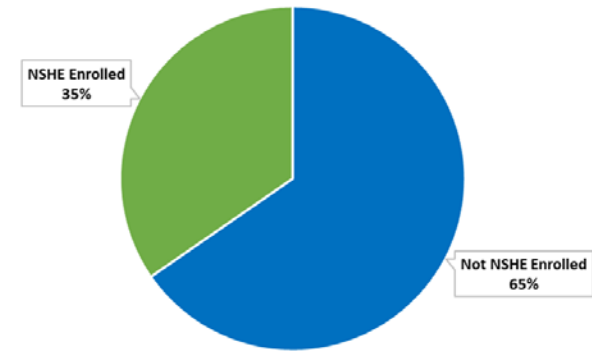
CTE Concentrator Diplomas Earned



2021 Diplomas Earned by CTE Concentrators and Total Graduating Class



2020 CTE Concentrator Graduates, Fall 2020 NSHE Enrollment





- **Free** CTE articulated credit is available at each of the community colleges, however there is not standardization across NSHE institutions regarding how many credits are articulated for the same coursework
- Students who complete a CTE program of study (3 years in the same program) with a minimum 3.0 GPA in the CTE program, pass the end-of-program technical skills assessment, and pass workplace readiness assessment are eligible for credit



NSHE Dual Enrollment Data Dashboard

About Dashboard I - Dual Enrolled High School Students II - High School Graduating Class III - NSHE Capture Rate

Dual Enrolled Summary Institution Race/Ethnicity Courses

Courses Taken by Dual Enrolled High School Students

Students enrolled in formal dual/concurrent enrollment programs and students that enrolled in courses independently (not part of formal dual enrollment programs) are counted as dual enrolled.

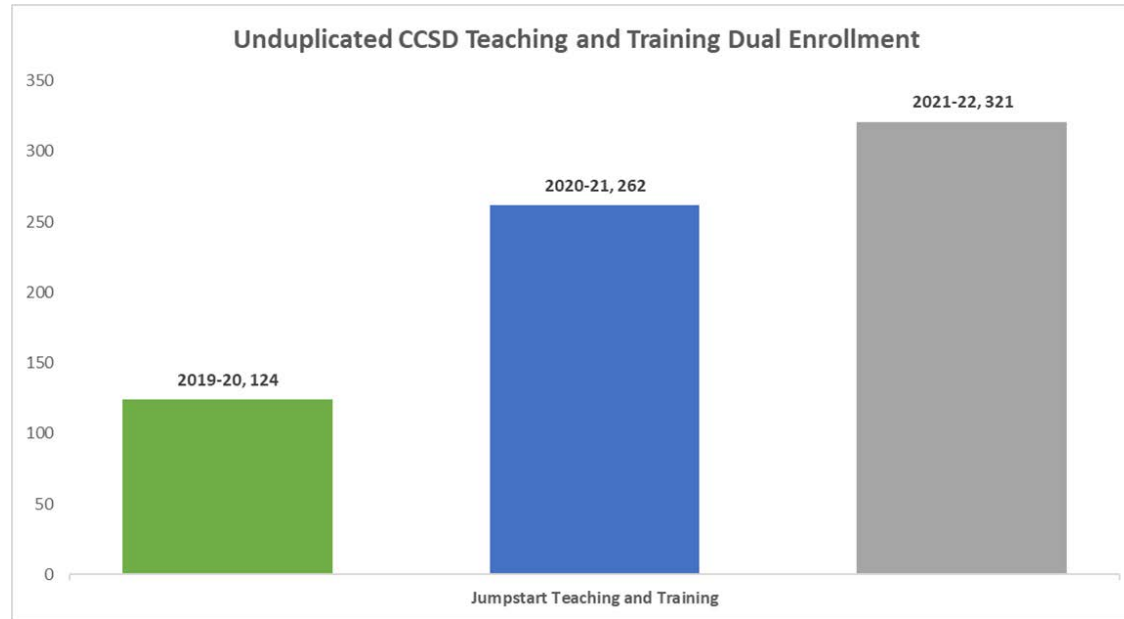
NSHE Academic Year: 2019-20 Institution: (All)

NSHE Academic Year 2019-20

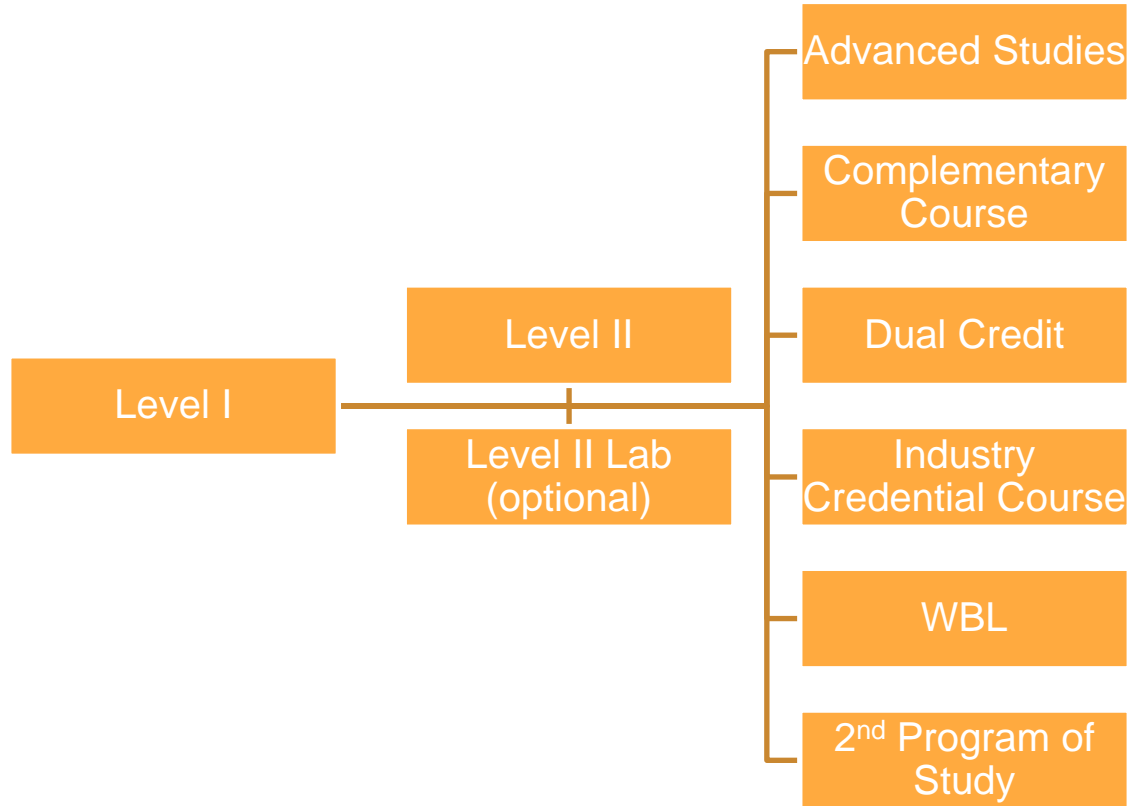
Institution All

NSHE Course	F	CSN	GBC	NSC	TMCC	UNLV	UNR	WNC	Grand Total	F
ENG 101 - Composition I		1,372	252	579	543			267	3,009	
ENG 102 - Composition II		1,274	133	555	883	2	4	230	2,577	
MATH 126 - Pre-Calculus I		638	105	212	255	1	11	251	1,471	
HIST 101 - US History I		428	365	215	68	3		203	1,276	
PSC 101 - Intro to American Politics		136	443	164	441	1		81	1,214	
HIST 102 - US History II		430	152	209	75			180	1,044	
MATH 96 - Intermediate Algebra		638	76		78	1		227	1,014	
PSY 101 - General Psychology		464	74	114	176	17	3	133	981	
MATH 95 - Elementary Algebra		626	115	1	36			182	950	
MATH 127 - Pre-Calculus II		379	27	178	122	2		198	906	
COM 101 - Oral Communications		603	47		18	25	1	210	904	
EPY 101 - Ed, Career & Pers Dev					627				627	
ENG 100 - Composition - Enhanced		311	218	1				1	529	
SOC 101 - Principles of Sociology		225	22	86	72	11		57	472	
BUS 101 - Introduction to Business		305	19		5			17	345	
ALS 101 - College Success		306							306	
MUS 121 - Music Appreciation		117			100		5	53	275	
HMD 101 - Intro to Hospitality		254			13				267	
COM 102 - Intro Interpersonal Comm		222				1		27	250	
EPY 150 - Strategies Academic Success								237	237	
MKT 210 - Marketing Principles		209	2		1			5	216	

Dual Enrollment



Increasing Access and Opportunity





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Contact Information

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