

ECONOMIC IMPACT OF UNLV IN SOUTHERN NEVADA

FY19 Update

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UNLV



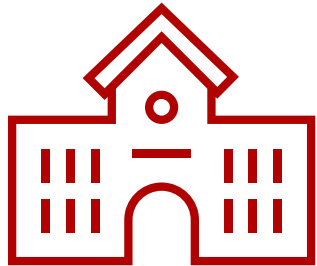
UNIVERSITY OF NEVADA, LAS VEGAS (UNLV)

- Founded in 1957.
- Rapidly transformed into an urban research institution along with Las Vegas's dramatic growth in population and economic activity.
- The only graduate research university in Southern Nevada.
- The first and largest Tier 1 institution in the Nevada System of Higher Education.
- Located less than two miles east of the Las Vegas Strip.

UNLV

UNLV (CONTINUED)

Only three schools see more than
2 percent of their alumni moving to Las Vegas



52.8%

University of Nevada,
Las Vegas



7.3%

Southern Utah University

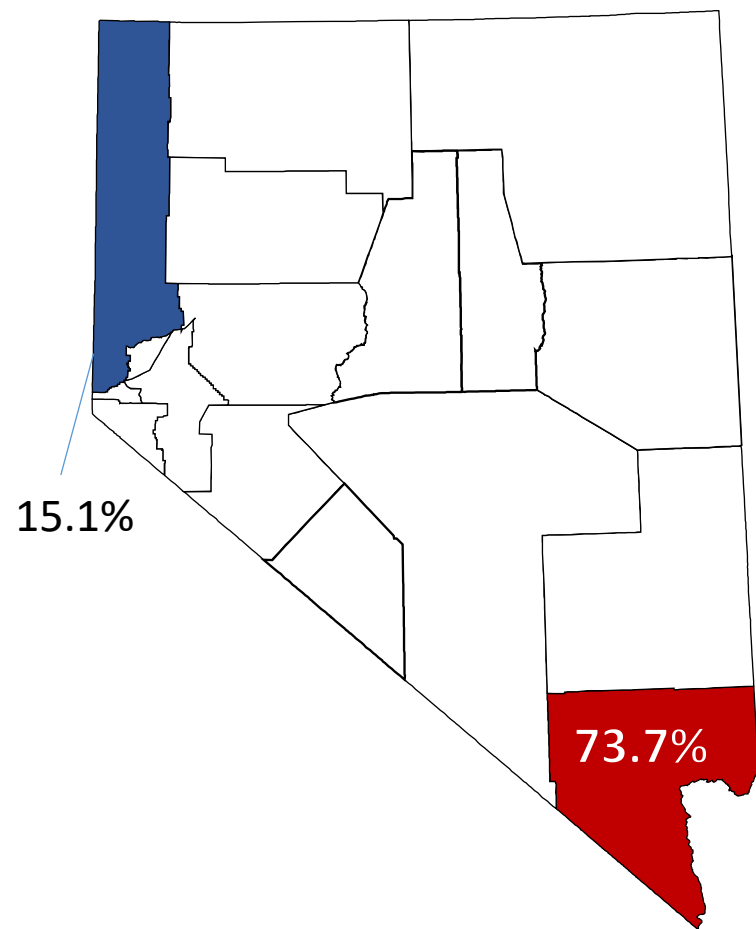


7.3%

University of Nevada,
Reno

- Employed 4,077 individuals (Oct 2019), one of the largest employers in Clark County.
- 21,328 undergraduate students and 3,956 graduate and professional students (FTE) matriculated during the fall 2019 semester.
- Recently launched the School of Medicine (SOM), which admitted its first class in fall 2017 .
- Estimates of about 74,000 UNLV alumni reside in Southern Nevada as of 2020, which accounts for about one-fifth of those who have a bachelor's degree or higher in the region.

CLARK COUNTY, WASHOE COUNTY, & NEVADA (2019)

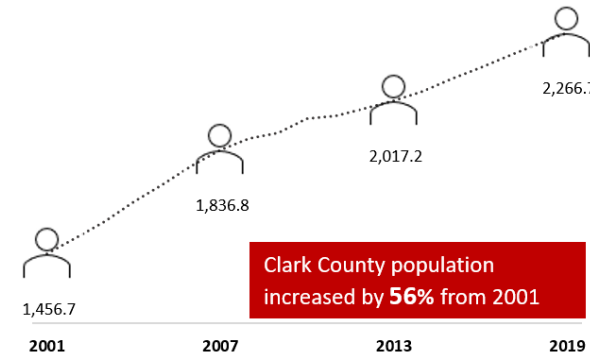


	Clark County	Washoe County	Nevada
Population	2,293,391	469,801	3,112,937
Median household income (\$)	62,107	71,881	63,276
Income per capita (\$)	48,806	63,360	51,161
Unemployment rate	4.0	3.2	3.9
Educational attainment level (Population 25 and older)			
Less than high school graduate	13.7%	11.3%	13.1%
High school graduate	28.2%	22.5%	27.8%
Some college or associate degree	32.5%	34.7%	33.4%
Bachelor's degree or higher	25.6%	31.5%	25.7%

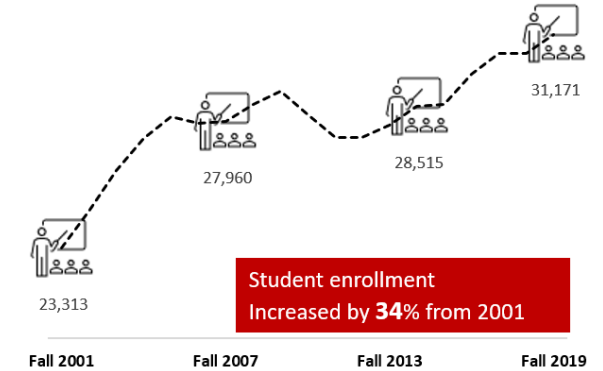
CLARK COUNTY AND UNLV

- The Clark County economy has tried to become more diversified, but there has not been much improvement.
- The Great Recession affected UNLV, and now the COVID-19 pandemic recession causes significant disruptions.
- UNLV initiated a plan to become a top-tier institution by 2025, which will contribute to the diversification of the Southern Nevada economy.

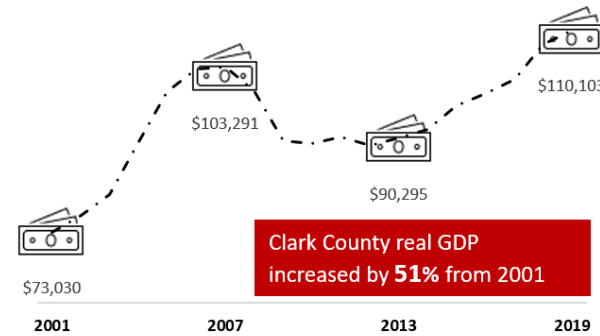
CLACK COUNTY POPULATION (Thousands of Persons)



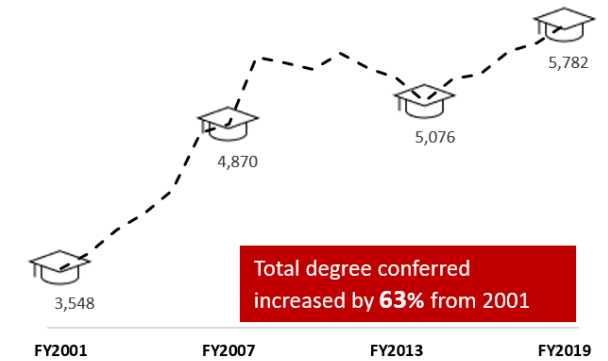
UNLV STUDENT ENROLLMENT (Headcount)



LAS VEGAS REAL GDP (Millions of 2012 Dollars)



UNLV DEGREES CONFERRED



UNLV

UNLV AS A TOP TIER UNIVERSITY

- UNLV initiated a plan to become a top-tier institution by 2025 in research, education, and community impact.
- Top Tier not only includes research (R1) but also includes student success, an established and functioning academic health center, reciprocal community relations, improved infrastructure, and shared governance.
- UNLV is a R1 institution.

ABOUT THE STUDY

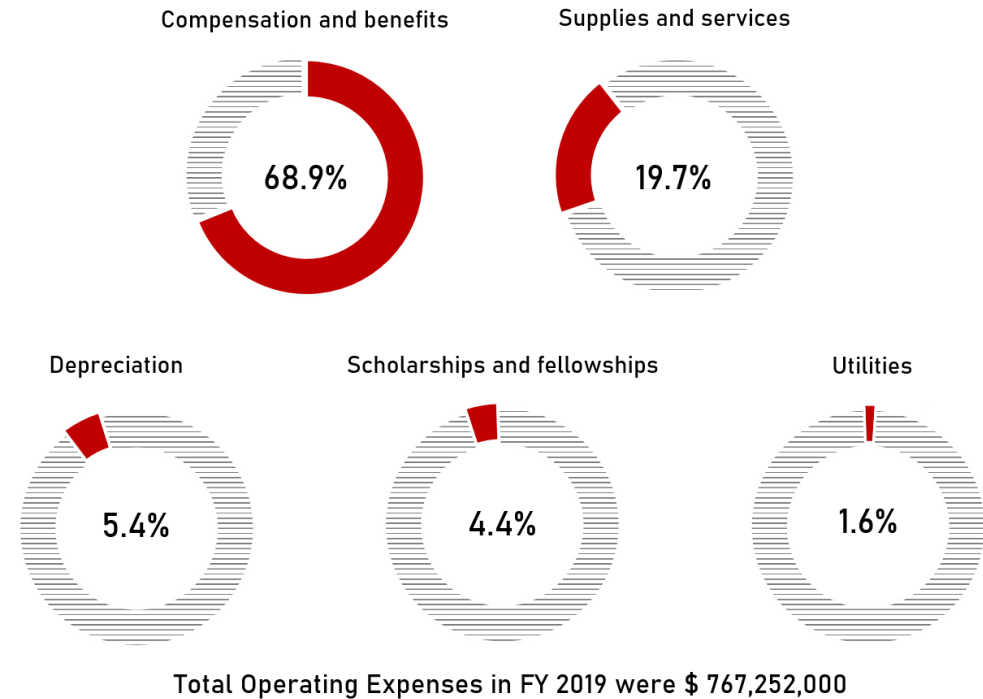
- Every two years, CBER conducts economic impact analysis of UNLV in Southern Nevada (Clark County, NV).
- Estimate UNLV's contributions to Southern Nevada in FY 2019.
- Also, estimate the economic impact of UNLV on the local economy in 2025 as a top tier university.

HOW THE ANALYSIS WAS DONE

- The primary effects, defined as UNLV's direct financial contribution to local economic activity. These include:
 - ✓ University expenditures,
 - ✓ Student expenditures, and
 - ✓ Visitor expenditures.
- The multiplier effects, which result from the additional rounds of spending.
- Used REMI PI v2.4 (updated with the latest national-level data sent by REMI 2020 SEP).

PRIMARY EFFECTS: UNIVERSITY EXPENDITURE

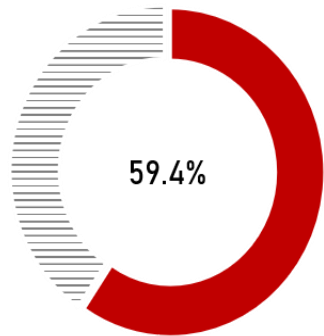
- UNLV's largest impact on the Southern Nevada economy originates from its spending on payroll (employee compensation and benefits) and on goods and services (utilities, services and equipment supplies).
- Assumed 85 percent of the university's spending on goods and services remained within Clark County. We also excluded the wages of graduate assistants.
- Thus, we estimated \$139 million of \$164 million were spent for goods and services, and \$512 million were spent for employees' compensation.
- As a part of UNLV SOM's expenditure wasn't included in the operating expenditures, we added \$37.5 million, which was omitted.



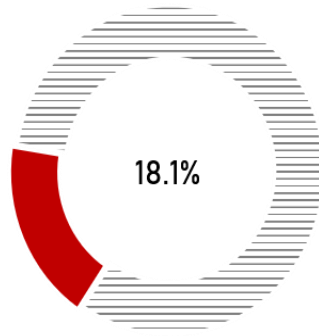
PRIMARY EFFECTS: STUDENT EXPENDITURE

68.7% or 16,948 students would **leave** Clark County without UNLV, and among them

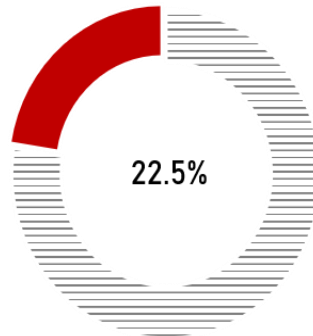
Undergraduate with NV resident status



Undergraduate without NV resident status



Graduate or professional



- Only spending from 68.7% of UNLV students (16,948) was included (conservative approach).
- Used the student cost estimates from the UNLV financial aid and scholarships office.
- Excluded room and board expenditure for undergraduate living in campus housing.
- Assumed half of undergraduates are living with parents.

PRIMARY EFFECTS: VISITOR EXPENDITURE

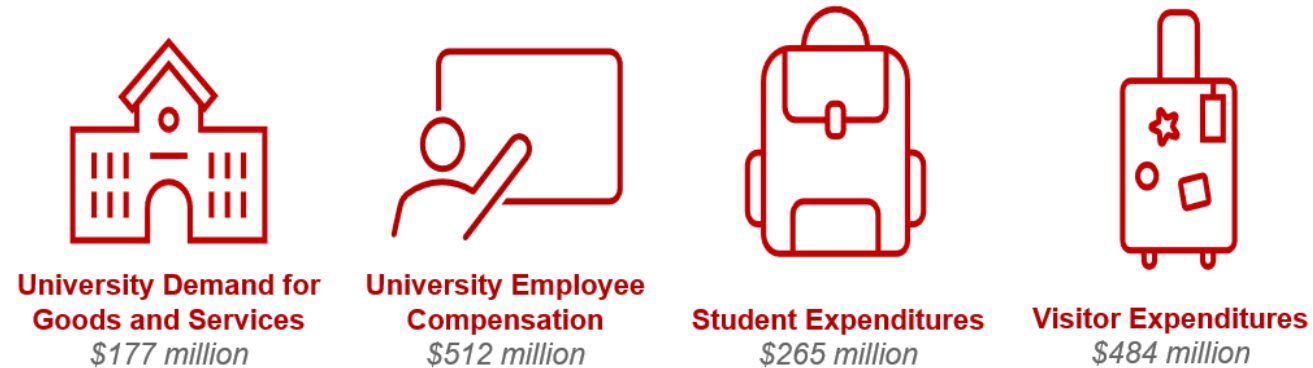


- UNLV is located less than 2 miles east from Las Vegas Strip.
- Has Cox Pavilion, Sam Boyd Stadium, and Thomas & Mac Center (+ Allegiant Stadium for UNLV football games from 2020).
- More than one million attendance.
- Assumed 15% of all university-related event attendees and 80% of all other event attendees were from out of town (Total 576,000 attendance) .
- Adjusted the estimate of average per-visitor, per-trip spending from the Las Vegas Convention and Visitors Authority (LVCVA) to \$1,109. Spending on shows and entertainment was NOT included.
- Also, adjusted the visitor's spending for the attendance at multiple-day events to prevent potential double counting.

Source(s): UNLV



TOTAL ESTIMATED PRIMARY IMPACT OF UNLV



Total primary expenditures in FY 2019 were **\$ 1,438 million.**

TOTAL ESTIMATED Economic IMPACT OF UNLV

UNLV SUPPORTED SOUTHERN NEVADA ECONOMY in 2019

Employment



19,400 Jobs

4,077 direct
15,323 spinoff

Economic Output



\$2,445 million

\$1,438 million direct
\$1,007 million spinoff

Personal Income



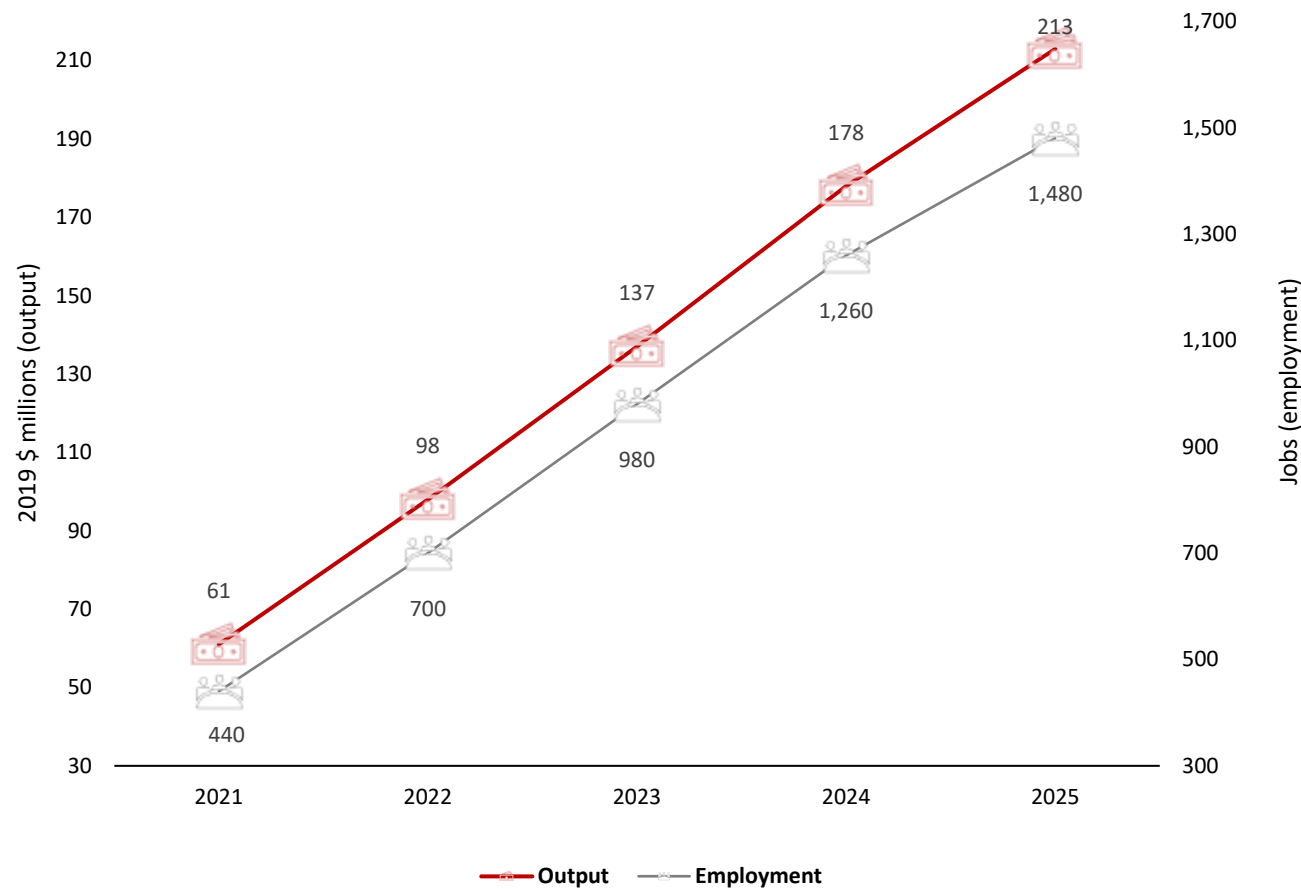
\$1,246 million

\$512 million direct
\$734 million spinoff

UNLV AS A TOP TIER UNIVERSITY

- UNLV initiated a plan to become a top-tier institution by 2025 in research, education, and community impact.
- UNLV plans to increase its enrollments by 9.1 percent and plans to hire an additional 293 employees by 2025, which will decrease the student-faculty ratio from 21:1 to 20:1.
- In addition, UNLV SOM plans to expand to meet local health demands. The employment expects to grow 25-50 percent or more by 2030. It also plans to expand the class size once the new building construction is completed.

UNLV AS A TOP TIER UNIVERSITY (CONTINUED) – UNLV'S INCREMENTAL IMPACT



- CBER assumed that the UNLV SOM employment will have a 37.5 percent increase by 2030.
- UNLV's enrollments will increase by 9.1 percent to 26,565 FTE students.
- UNLV's additional spending (excluding UNLV SOM) is estimated to be \$53 million by 2025 due to the top-tier initiative.
- Overall, this extra spending will bring an additional \$213 million to the community, which will generate 1,500 jobs by 2025.

Note: Additional direct spending due to the top-tier initiative and the expansion of the SOM by 2025 was estimated with the provided information. We use linear interpolations except for additional student spending, whereby projections were provided for each year, and put the numbers into the REMI model. Therefore, the projections for 2021 and 2022 might not reflect the current situation with limited/reduced budgets due to COVID-19.

UNLV AS A TOP TIER UNIVERSITY (CONTINUED) – REMI SIMULATION

Summary									
Region	Comparison Type	Forecast	Comparison Forecast						
Clark County	Differences	FY2025 UNLV	Regional Control for RSQE+CBO						
Category	Units	2019	2020	2021	2022	2023	2024	2025	
Total Employment	Thousands (Jobs)	-19.412	-19.531	-20.478	-20.651	-20.369	-19.943	-19.454	
Population	Thousands	-6.139	-11.072	-15.142	-18.358	-20.872	-22.817	-24.314	
Labor Force	Thousands	-5.457	-8.913	-11.414	-13.104	-14.213	-14.898	-15.249	
Gross Domestic Product	Billions of Fixed (2019) Dollars	-1.465	-1.519	-1.636	-1.669	-1.669	-1.655	-1.637	
Output	Billions of Fixed (2019) Dollars	-2.445	-2.546	-2.737	-2.786	-2.778	-2.745	-2.705	
Personal Income	Billions of Fixed (2019) Dollars	-1.246	-1.247	-1.342	-1.422	-1.461	-1.491	-1.528	

- The table shows the impact due to the direct spending of UNLV. The output does not necessarily sum to FY19 economic output and additional output increases due to the top-tier initiative and the expansion of UNLV SOM, since REMI forecasts for economic variables from 2020-2025 differ from ones in 2019.
- This occurs because REMI is a “dynamic” economic model not a “static” model.



UNLV AS A TOP TIER UNIVERSITY (CONTINUED)

UNLV as a TOP TIER UNIVERSITY, WILL SUPPORT SOUTHERN NEVADA ECONOMY in 2025

Employment



19,500 Jobs

100 additional jobs
from 2019

Economic Output



\$2,705 million

\$260 million of additional
economic output from 2019

Personal Income



\$1,528 million

\$282 million of additional
personal income from 2019

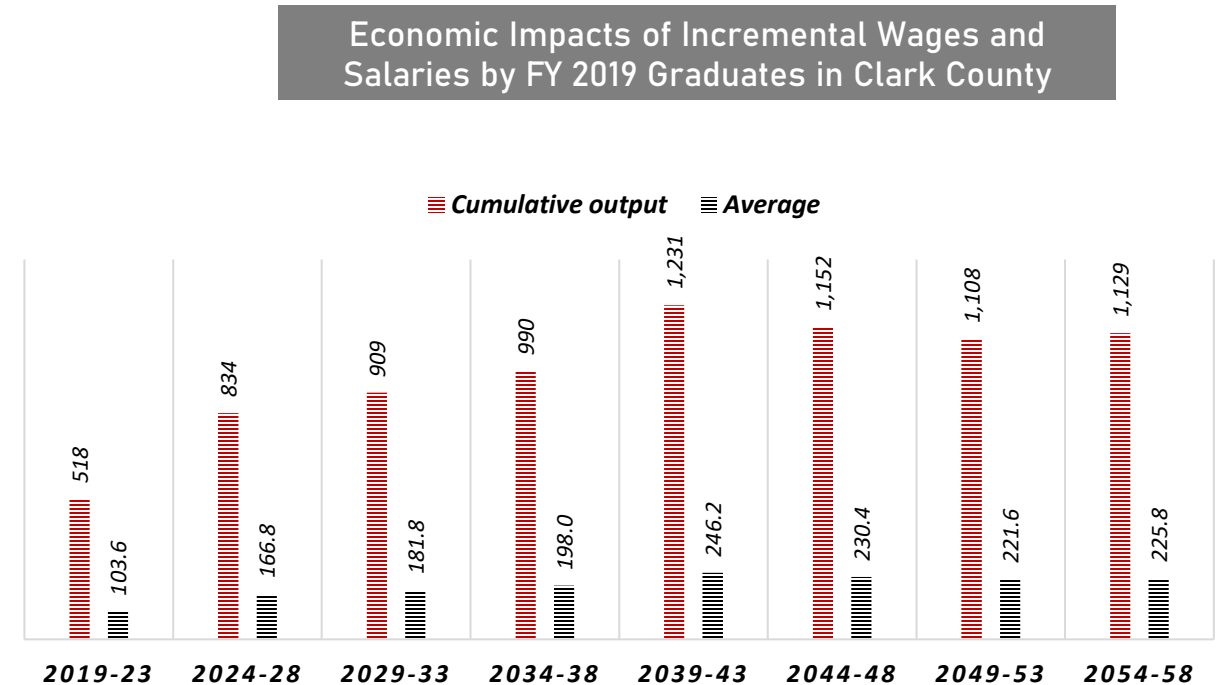
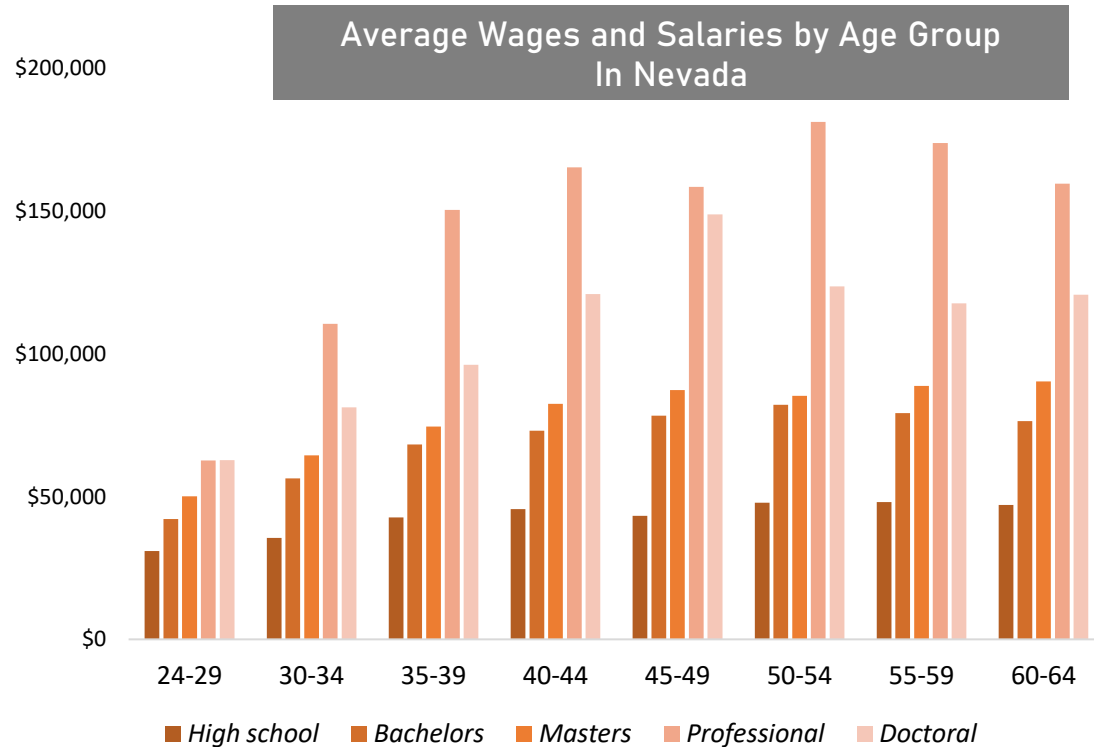
UNLV ALUMNI IMPACT

- Among 126,194 living graduates, 73,949 alumni or 58.6 percent live in Clark County. These alumni contribute their talents in various areas as K-12 teachers, hotel and tourism professionals, health care professionals, business owners and managers.
- We roughly estimate that about one fifth of the workforce that hold a bachelor's degree or higher in Clark County received that degree from UNLV.
- During FY 2019, UNLV conferred 5,427 degrees to 5,185 individuals. 86.5 percent of graduates live in Southern Nevada and contribute to the local economy with incremental earning power from their UNLV degrees.

	<i>Number of graduates</i>	<i>Percent</i>
<i>Nevada</i>	77,438	61.4
<i>Clark County, NV</i>	73,949	58.6
<i>California</i>	11,693	9.3
<i>Texas</i>	3,552	2.8
<i>Arizona</i>	2,789	2.2
<i>Washington</i>	2,760	2.2
<i>Utah</i>	2,047	1.6

UNLV produced *129,340* alumni over the past *55* years

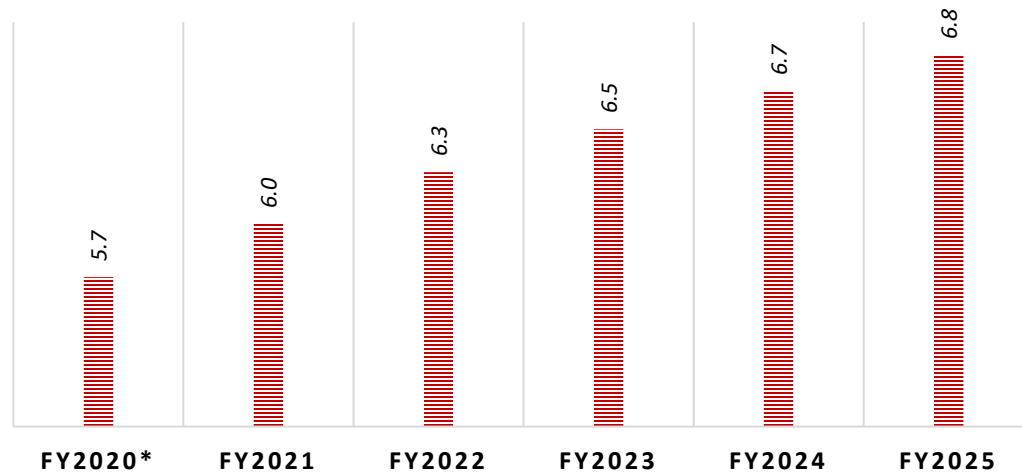
UNLV ALUMNI IMPACT (CONTINUED) – FY19 GRADUATES



- We estimate that FY19 Graduates can contribute an additional \$7.9 billion of economic output over a 40-year period, which equals about an annual average of \$196.8 million.

QUALITATIVE IMPACTS OF UNLV

Economic Impact of UNLV Student Volunteers
via Service-Learning Courses



Note: The graph shows the economic output of community engagement due to service-learning courses. FY2020 shows actual hours of service/economic output, while the rest of years indicate the goals of service hours /economic outputs based on the goals. Output is presented in millions of fixed 2019 dollars.

- UNLV Harry Reid Research and Technology Park
- UNLV Community Service
- Beyond just “Highly Skilled” Workforce

CONCLUSIONS

- UNLV generated a total of \$2,445 million of economic impact in the Southern Nevada during 2019.
- UNLV's Economic Impact Ratio for 2019 was 10.3. That is, for every dollar of state appropriation, the university generated an additional \$10.3 in economic activity in Southern Nevada.
- By 2025, UNLV, as a top-tier university, will generate roughly \$2,705 million of economic activity, which will support nearly 19,500 jobs in the valley.
- This does NOT include the numerous positive qualitative or alumni impacts of UNLV on Southern Nevada



Knowledge
within Reach

CBER

<http://cber.unlv.edu>

UNLV