Announcement Draft

The [Nevada P-20 to Workforce Research Data System](#) (NPWR) enables the Nevada System of Higher Education (NSHE), the Nevada Department of Education (NDE) and the Department of Employment, Training and Rehabilitation (DETR) to link data enabling research and reporting without compromising privacy laws pertaining to employment and education data.

The NPWR enhances our abilities to extract and analyze education and workforce data. This type of longitudinal data access will be a tremendous tool to identify trends and evaluate the success of programs in meeting the needs of students and the workforce, improving the success of students in both K-12 and higher education, identify strategies to improve student performance and career and college readiness. This is a major accomplishment that has put us in the company of only 19 other states who are using similar interconnected data systems to improve policy and student performance and one of only five who are linking data from all three agencies and sharing reports using that data in a public interface.

The Nevada P-20 to Workforce Research Data System (NPWR) matches and *de-identifies* individuals from the three agencies using a state of the art probabilistic matching system. NPWR matches data across agencies through a process that de-identifies and cleanses the data to provide the highest possible match rate while maintaining full privacy. *All data within NPWR are fully de-identified to ensure that no personally identifiable information is stored or available within the system.*

The following reports are available within NPWR:

Average Wage by Industry Report – The average wage by industry report measure the highest average wages earned across Nevada. This report drills through to show wages by county and by industry for a given year.

Math Pathways Report - Data at both the national and state levels indicate that not completing a gateway mathematics course within the first year of postsecondary instruction correlates with a reduced chance of student success and timely graduation. The mathematics courses completed by students while in high school play a determining role in subsequent placement and success of students in post-secondary education. It is important to determine which math course sequences in high school are more likely to result in success in post-secondary placement and completion of college-level mathematics courses. The High School Math Pathways Report includes, by district, the math course-taking patterns of high school students, and their subsequent enrollment into either remedial or college-level coursework at an NSHE institution. The district version (non-public) allows access to the data at the high school level.

Most Common Degree by Industry Report - The Most Common Degree by Industry Report shows the most common degree held by NSHE graduates by industry and county. In

addition, statewide and county average wages earned are shown for all employees by industry.

Student Completion and Workforce Report, Part 1: Completion and Time to Degree by Program of Study - The Nevada System of Higher Education (NSHE) institutions offer a variety of programs based on the needs and diversity of the students and communities in which they are located. The data included in this section reports by institution and academic program the number of students who entered each academic program, the number who graduated, and the average time to completion of a degree or certificate. For each program of study the table provides: 1) data on the percent of students who complete any degree, in any field (i.e., a business student who earns a degree in biology, and 2) for the four-year institutions, data on the percent of students who complete a degree in the program of study declared their first term of enrollment.

Student Completion and Workforce Report, Part 2 - Part II of the Student Completion and Workforce Report includes the number and percentage of students who have obtained employment in this State by program of study, the industries in which they are employed and the average starting salary. The information is reported by NSHE institution and degree level.

Workforce Demand - Determine the demand of occupations within Nevada by NSHE institution and program. NSHE programs are mapped to DETR occupational projections using the NCES CIP to SOC occupational mapping. Students will be able to determine if there is a statewide demand for their program of study and institutions will be able to determine occupational demand for their program.

Workforce Supply - Determine the current enrollment by level as they compare to the workforce projections for occupations to which they map using the NCES CIP to SOC occupational mapping. Employers needing to fill positions in specific occupations will be able to utilize this report to determine if the students enrolled in related NSHE programs of study will be able to meet the demand.

NPWR was made possible by a $4 million grant from the U.S. Department of Education. NSHE, NDE and DETR are working together to build new reports that include predictive tools to identify points at which students are being lost through the K-12 and postsecondary education pipeline, analysis of statewide ACT testing and remedial placement, and several other exciting and much needed projects that focus on student success throughout the K-12, higher education, and workforce continuum.

Articles Referencing NPWR

- http://www.reviewjournal.com/news/education/nevadas-new-super-data-system-makes-school-records-permanent
- http://www.workforcedqc.org/news/blog/multi-state-cooperation-can-save-time-and-money
- http://www.reviewjournal.com/news/education/want-job-major-education-new-state-report-says
- http://www.ischoolguide.com/articles/21760/20150811/education-major-top-job-in-nevada.htm
- https://nces.ed.gov/whatsnew/conferences/statsdc/2015/demos.asp

Stakeholders

NSHE

- NSHE Institutions
- NSHE Board of Regents
- NSHE Institutional Advisory Councils
- Governor's Office of Science, Innovation, and Technology (OSIT)
- Legislators & Education Policy makers

NDE

- State Board of Education
- Local School Districts
- Legislators & Education Policy makers
- Regional Professional Development Programs
- Career & Technical Education
- College & Career Readiness Advocates
- US Department of Education
- Other State Departments of Education

DETR

- Current Nevada Employers
- Prospective Nevada Employers
- Governor's Workforce Investment Boards
- Industry Sector Councils
- Jobseekers
- Nevada Career Information System (NCIS) Users

Other Stakeholders

- Governor's Office of Economic Development (GOED)
- EDAWN
- City of Reno
- City of Las Vegas
- Other Nevada city and county governments
- Nevada Manufacturers Association

Outreach Efforts to Date

NSHE

- NSHE's Chancellor Announcement: http://archive.constantcontact.com/fs129/1100950573924/archive/1121871581527.html
- Presentation to Board of Regents (NSHE Presidents in attendance) – September 2015
- Meet with reporter from LVRJ to discuss NPWR – July 2015 (article published as a result of this discussion included in the above list)
- Presentation to Washoe County Education Alliance – September 2015
- Presentation to CSN and other Institutional Advisory Councils – Coordinating with individual councils
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NDE

- Discussions with Early Childhood. Meetings to discuss incorporating Early Childhood into NPWR
- Discussions with the Department of Health and Human Services regarding incorporation into the NPWR system
- Panel discussion at the Education Information Management Advisory Consortia in Summer of 2015 pertaining to NPWR and Nevada and Virginia's Partnership with the product
- Presentation at the 2016 Education Information Management Advisory Consortia spring Best Practices Conference

DETR

- Planned meeting with NCIS trainer concerning how NPWR data may be integrated into existing NCIS training.

- Planned integration of industry-specific data into Industry Sector Council presentations.
- Planning regional economic summaries which will incorporate NPWR data to describe the economies of different counties within Nevada.
- Discussion with GOED Research Director concerning the data available through NPWR.

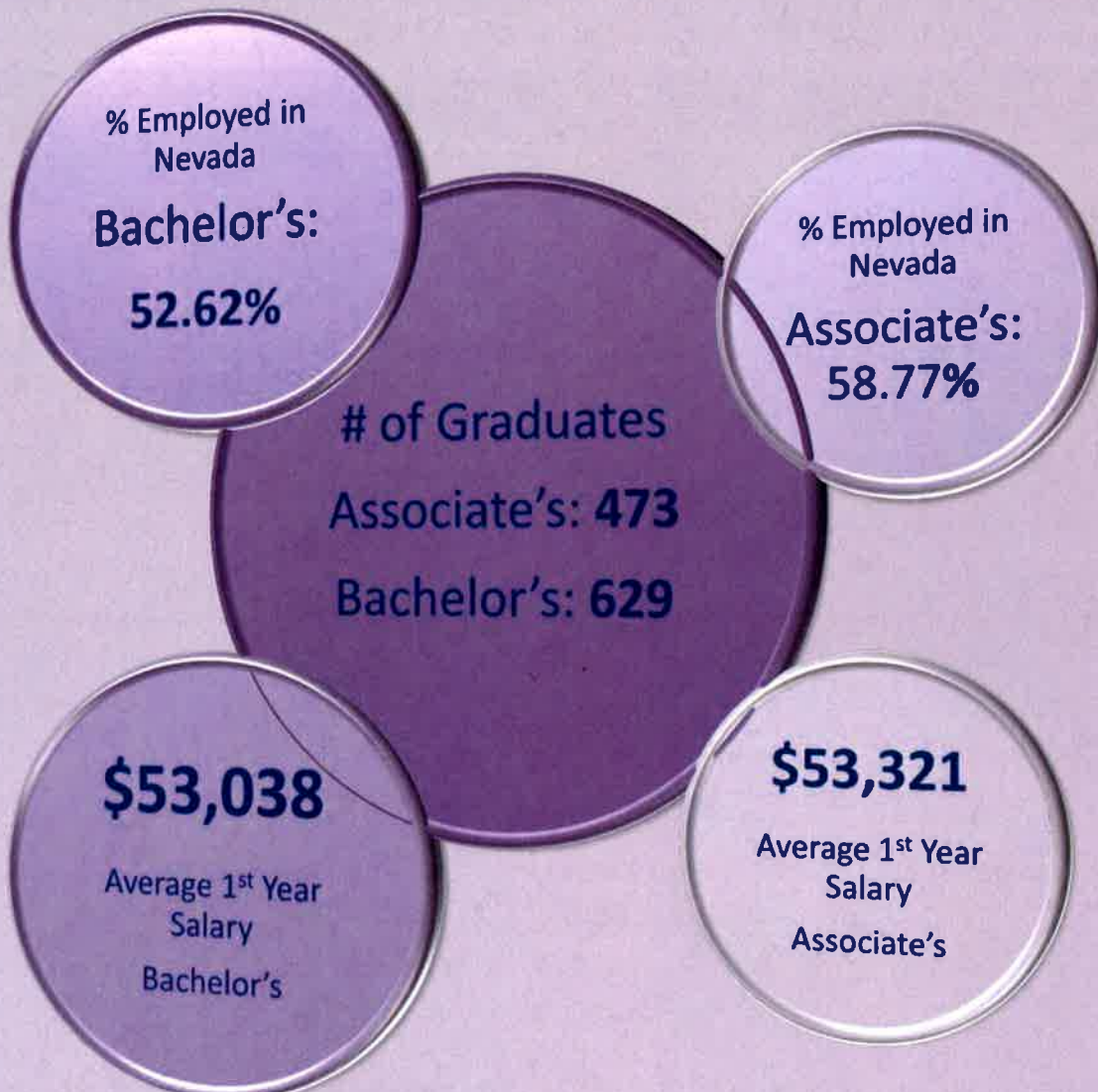**Proposed NPWR Coordinator Description (not funded)**

- Coordinate and communicate with the P20W Council (currently performed by partner agencies).
- Establish research agenda (currently performed by partner agencies). Once the current research agenda report have been completed, outreach to stakeholders for input regarding desired reports based on available data will be valuable. Our current research agenda will likely take us through the next year.
- Coordinate outreach efforts with stakeholders and media; track outreach efforts and use of NPWR data in reports and articles (to some extent this is being done by the partner agencies specific to their own stakeholders, see above agency summaries).
- Prepare written executive reports and summary reports tailored to specific stakeholder needs.

The following responsibilities are currently performed by the program manager funded by the SLDS grant through 8/31/2016:

- Communicate with the P20W Council.
- Coordinate and attend meetings between the three agencies and with the contractor; establish and maintains internal and external contacts as necessary.
- Serve as liaison for the NPWR partner agencies; coordinate activities and exchange information.
- Coordinate NPWR program or project planning and implementation, including assessing needs and setting goals.
- Establish project work plan and calendar or schedules; monitor, review, and evaluate progress.
- Work with NPWR partner agencies in change order management, project tracking and document control activities.
- Participate in project requirements meetings and recommend improvements if needed. Monitor project schedules regularly to determine any delays or deviations.
- Attend project meetings and follow-up with outstanding tasks.
- Analyze and resolve project issues in a timely and accurate manner.
- Oversee project correspondences and prepare and review project related emails, letters, proposals, memos, meeting minutes and other documents.
- Contractor oversight including O&M and contracted hours to generate reports.
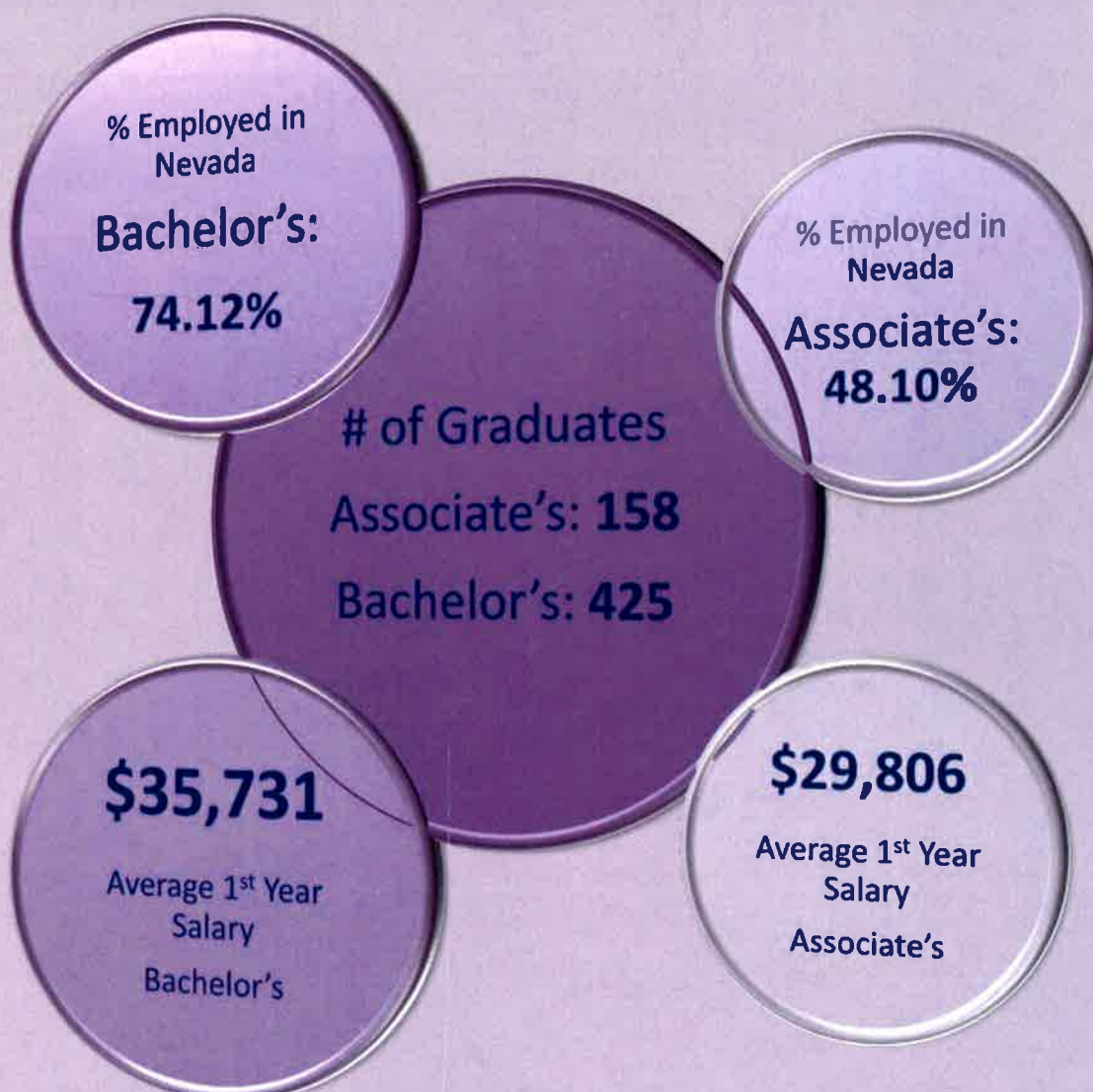
Employment Outcomes: 2012-13 NSHE Health Professions Graduates

NEVADA SYSTEM OF HIGHER EDUCATION · OMNIA PRO PATRIA · 1865

% Employed in Nevada
Bachelor's:
52.62%

% Employed in Nevada
Associate's:
58.77%

# of Graduates
Associate's: **473**
Bachelor's: **629**

$53,038
Average 1st Year Salary
Bachelor's

$53,321
Average 1st Year Salary
Associate's

Average wage calculations are based on quarterly wages. To approximate an annual salary, the average wage calculations for this report are based only on individuals employed for four quarters within the reporting year. For industry level data, individuals must have been employed for four quarters in that industry. It is unknown if individuals are employed full or part time.

Employment Outcomes: 2012-13 NSHE Education Graduates

% Employed in Nevada
Bachelor's: 74.12%

% Employed in Nevada
Associate's: 48.10%

# of Graduates
Associate's: 158
Bachelor's: 425

$35,731
Average 1st Year Salary
Bachelor's

$29,806
Average 1st Year Salary
Associate's

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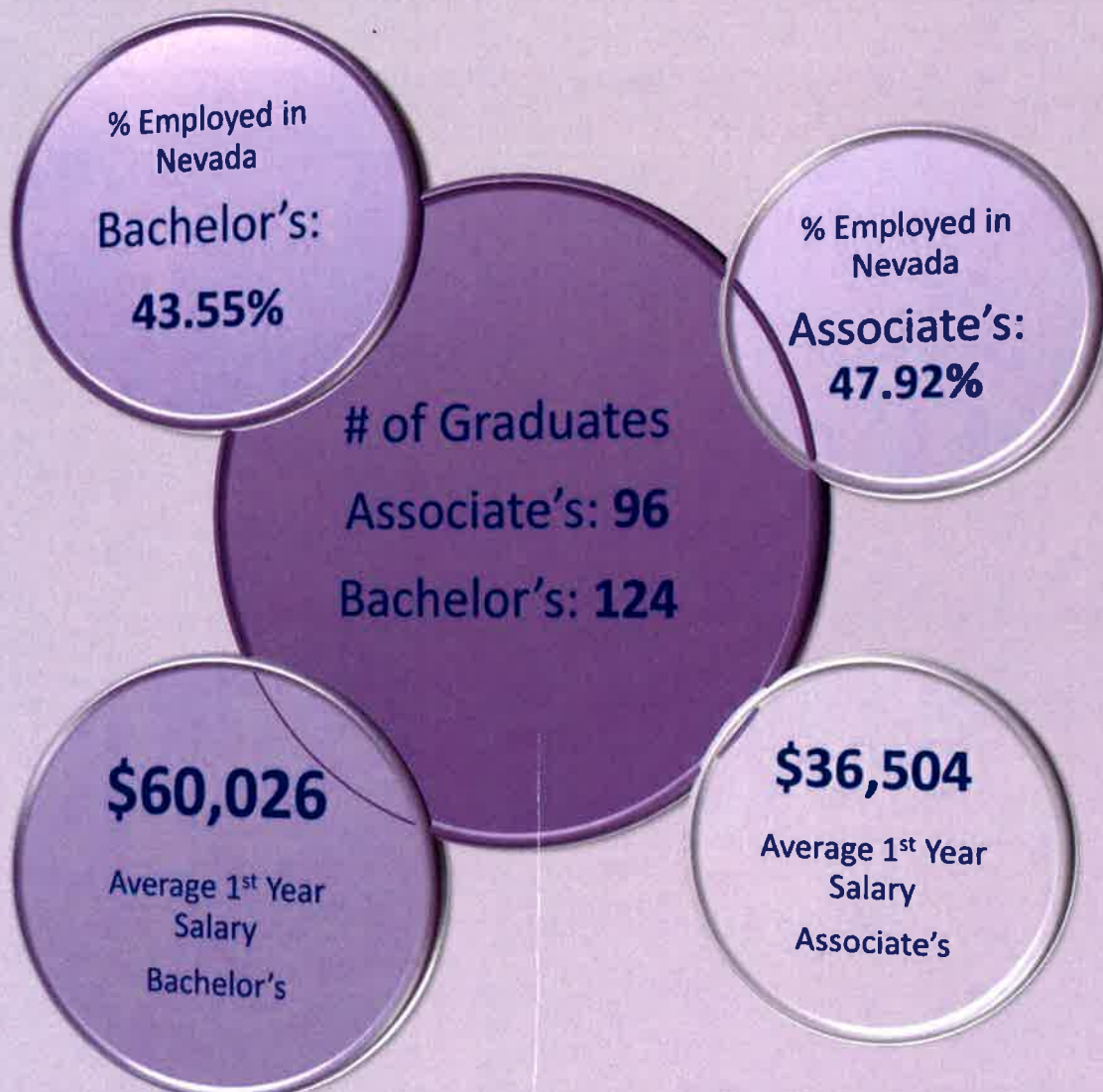
Employment Outcomes: 2012-13 NSHE Comp Info Science Graduates

% Employed in Nevada

Bachelor's:

43.55%

% Employed in Nevada

Associate's:

47.92%

# of Graduates

Associate's: 96

Bachelor's: 124

$60,026

Average 1st Year Salary

Bachelor's

$36,504

Average 1st Year Salary

Associate's

Average wage calculations are based on quarterly wages. To approximate an annual salary, the average wage calculations for this report are based only on individuals employed for four quarters within the reporting year. For industry level data, individuals must have been employed for four quarters in that industry. It is unknown if individuals are employed full or part time.