

Puerto Rico Department of Labor's Second Annual Labor Market Information Conference

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"When these tech jobs go unfilled, it's a missed opportunity for the workers, but it's also a missed opportunity for your city, your community, your county, your state, and our nation"

– President Barack Obama

Outline

- The World of LMI
- STEM data
- STEM related initiatives/grants at ETA



The World of LMI

Where to begin?

*The Federal-State Cooperative
Partnership...*



The Federal-State Cooperative Partnership

Involves 6 separate programs:
4 Labor Market and 2 Worker Safety and Health



Quarterly Census of Employment and Wages

- Employment and wages for every establishment in the U.S.
- Geographic detail
- Industry detail
- Updated quarterly



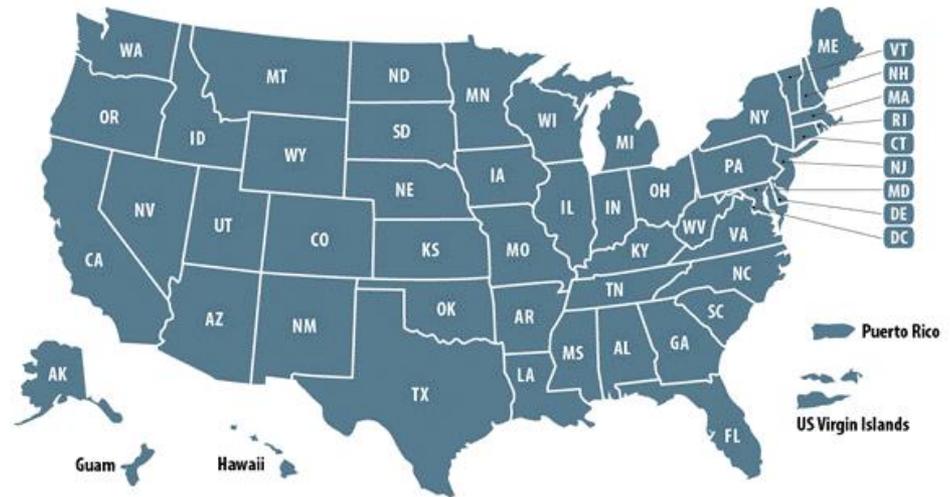
Current Employment Statistics (aka, “The Jobs Report”)

- Timely monthly employment, wage and hours data
- Principal Federal Economic Indicator
- Data for all employees, women, production and nonsupervisory
- Hourly and weekly earnings
- Weekly and overtime hours
- **Nation, 50 states, Puerto Rico, territories and MSAs**



Local Area Unemployment Statistics

- All states, DC, and Puerto Rico
- Metropolitan Areas & Divisions
 - PR has 3 Combined Statistical Areas and 7 Metropolitan Areas
- Micropolitan Areas
 - (PR has 10 Micro Areas)
- Counties and county equivalents
 - PR has 155 Municipios
- Cities and towns in New England
- Cities and towns with populations >25,000
- 7,500 areas in total
 - (PR has 176 areas total, including statewide)



LAUS data are used to allocate funds for many Federal Assistance Programs

<u>Agency</u>	<u>Program</u>	<u>Funding (2015)</u>
ETA	Worker Training	\$ 4 Billion
FEMA	Food and Shelter	\$130 Million
Commerce- EDA	Public Works Programs	\$144 Million
Grand Total, All Programs:		\$ 83.8 Billion

Occupational Employment Statistics

Employment and wages for:

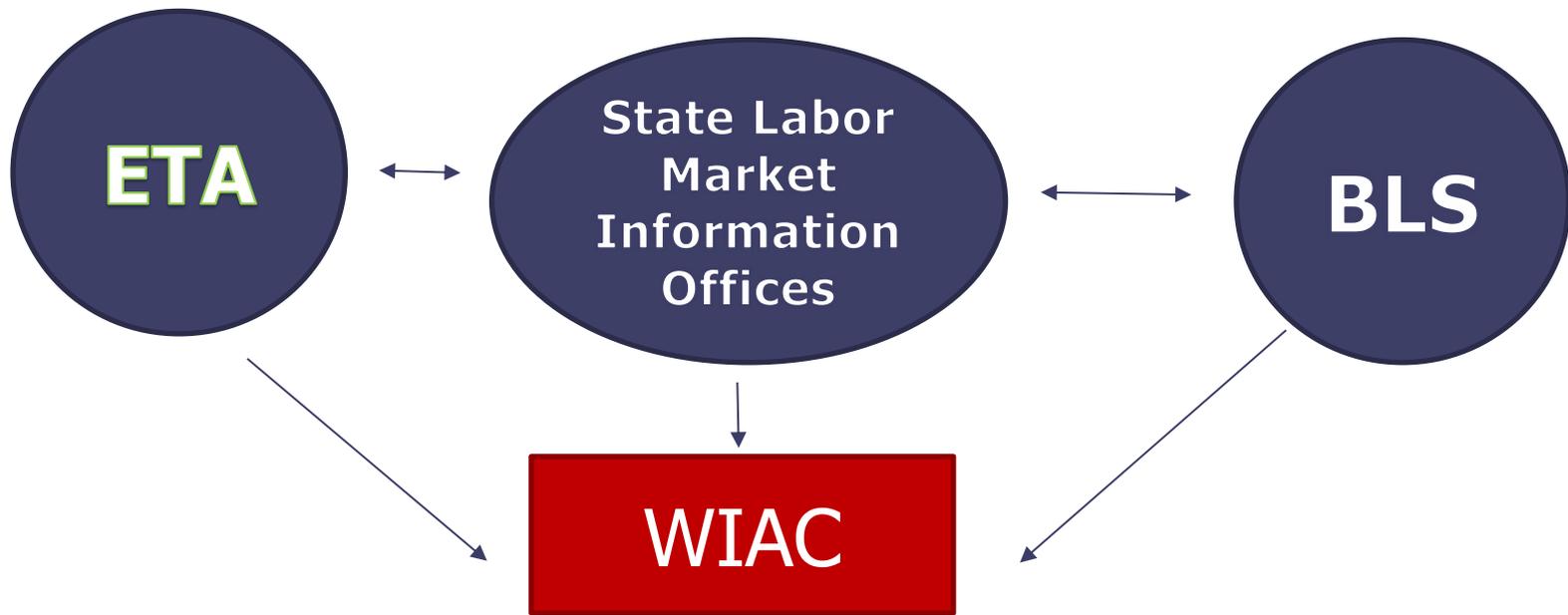
- Over 800 occupations
- Over 450 industries
- Mean and median wages and by select percentiles
- Geography – nation, states, regions,
 - ▶ PR has 9 Metropolitan Areas
- **State partners produce workforce development regions based on county level data**
- OES data used as input for the Foreign Labor Certification (FLC) program, run by DOL ETA



National Occupational Projections

- 2014-2024 projections
- Long-term horizon
- Identify occupations that are projected to grow the fastest and the ones adding the most jobs
- Estimates of occupational separations
- Entry level education and training requirements
- Detailed occupational profiles for over 300 occupations
- **Critical input to state projections supported by ETA**
- **State projections area available @**
www.projectionscentral.com

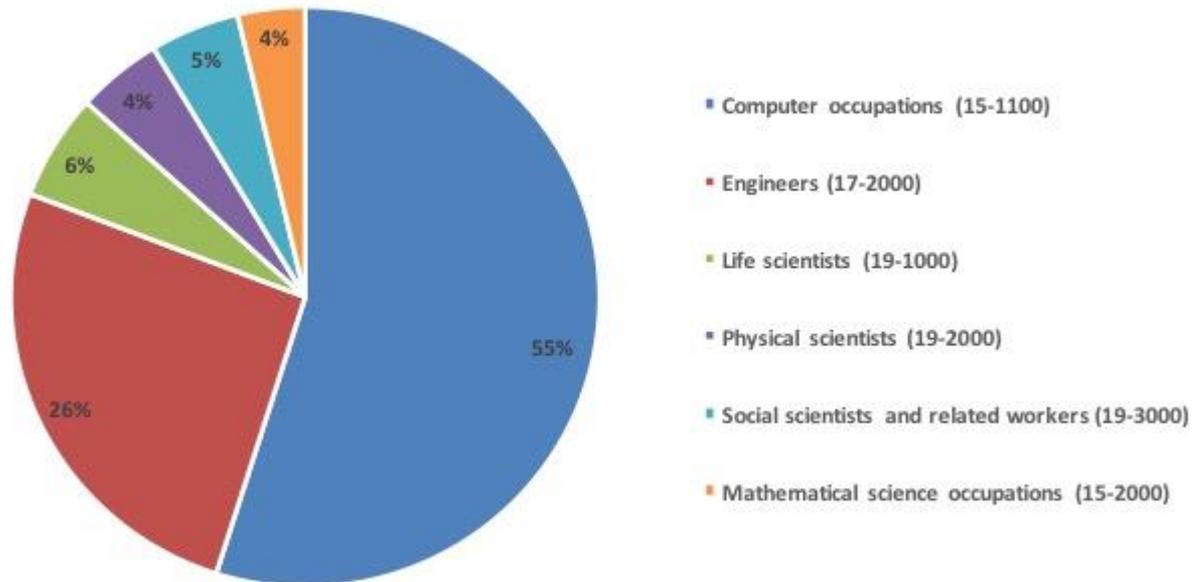




LMI CUSTOMERS
Businesses
Job seekers
Career counselors
Students
Education planners
Job training providers
Labor unions
Welfare / Vocational Rehabilitation Planners
Economic Development
Policy makers
Media

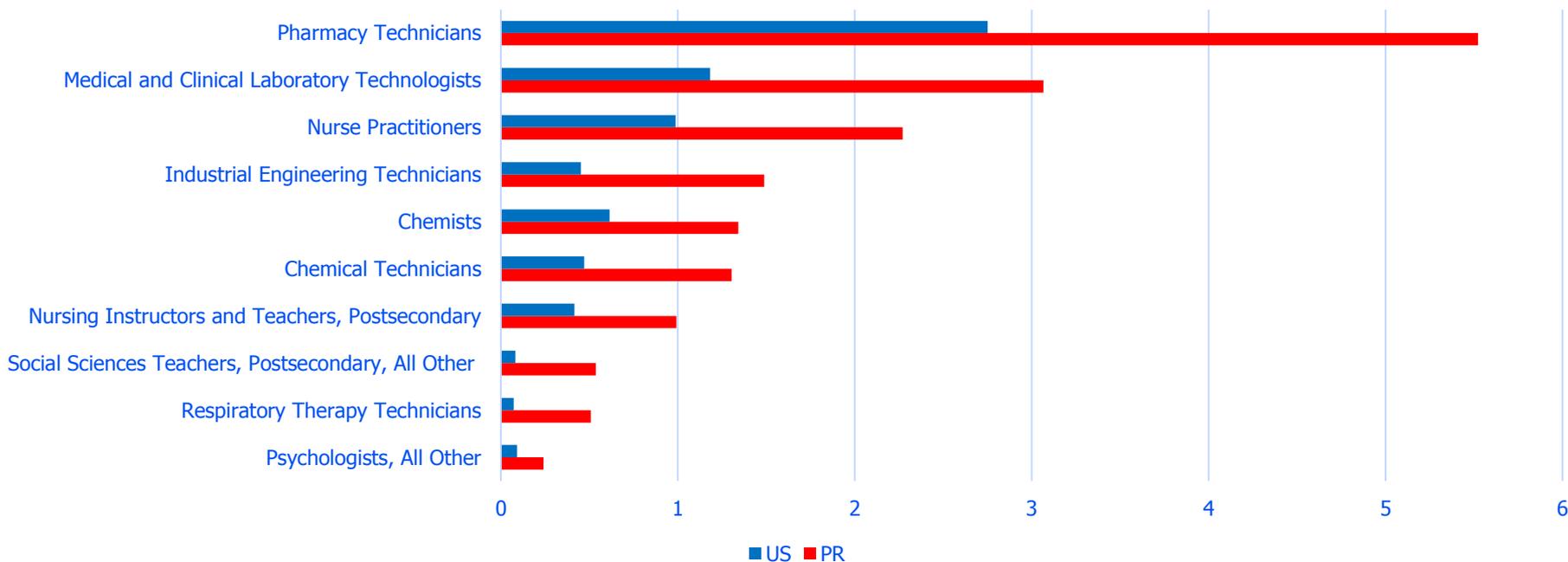
STEM data

Job Openings (Growth+Replacement), 2014-24 - U.S. Bureau of Labor Statistics



Data from the spreadsheet at <http://www.bls.gov/emp/ind-occ-matrix/occupation.xlsx>

Top 10 STEM Occupations in Puerto Rico by Location Quotient. Employment per 1,000 jobs vs. US employment per 1,000 jobs



Source: Occupational Employment Statistics (OES) May 2015 Estimates



Top 10 STEM Occupations by Employment in Puerto Rico, Compared to US employment



Source: Occupational Employment Statistics (OES) May 2015 Estimates



Top 10 STEM Occupations gaining most New Jobs in Puerto Rico Projected 2014-2024, versus US Projected 2014-2024



Source: BLS National Employment Projections (EP) program

Source: Puerto Rican Industry and Occupational Projections Program



Top 10 STEM Occupations by number of New Openings in Puerto Rico 2014-2024, compared to New Openings in US 2014-2024

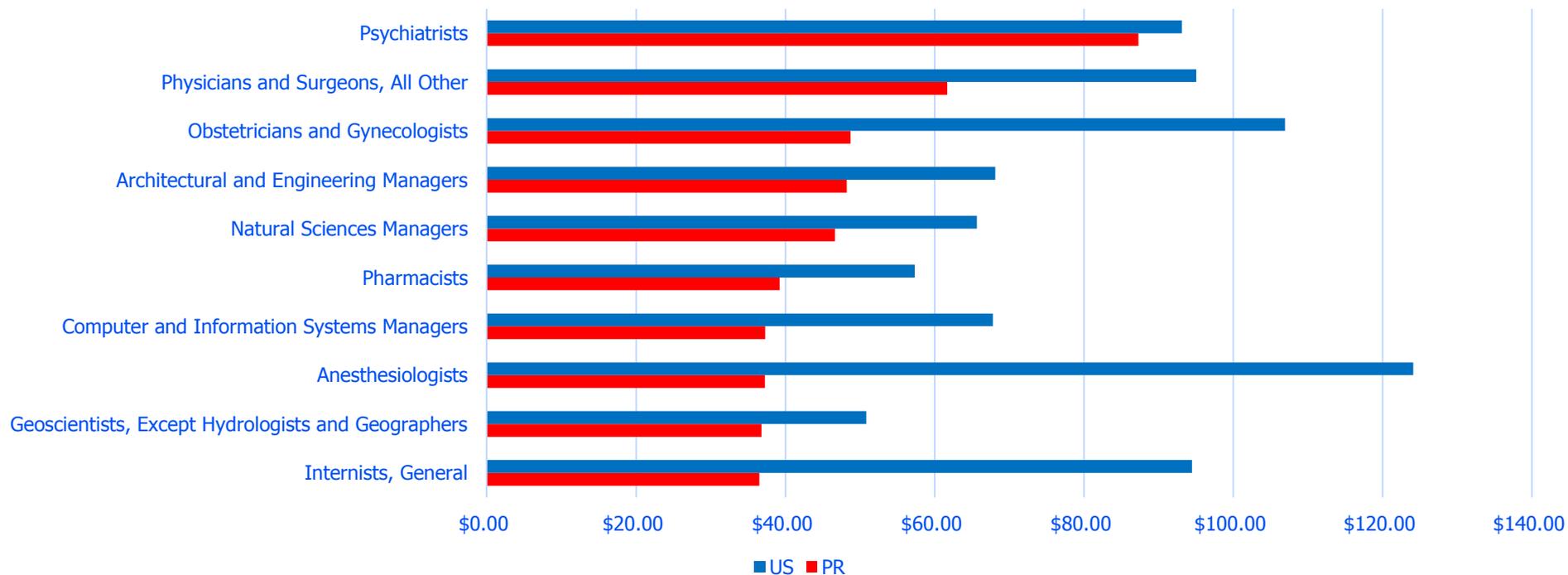


Source: BLS National Employment Projections (EP) program

Source: Puerto Rican Industry and Occupational Projections Program



Top 10 STEM Occupations by highest Mean Hourly Wage in Puerto Rico, Compared to US wages



Source: Occupational Employment Statistics (OES) May 2015 Estimates



Top 10 - Life and Physical Science, Engineering, Mathematics, and Information Technology Occupations by highest Mean Hourly Wage in Puerto Rico, Compared to US wages



Source: Occupational Employment Statistics (OES) May 2015 Estimates
 *Wages for Physics Teachers, Postsecondary are only published as an annual wage, but were converted to an equivalent hourly wage for the purpose of this chart



STEM Related Initiatives/Grants at ETA



STEM Initiatives and Grant

TechHire Initiative



STEM Initiatives and Grant

Youth Career Connect

Tonight, I'm announcing a new challenge to redesign America's high schools so they better equip graduates for the demands of a high-tech economy. And we'll reward schools that develop new partnerships with colleges and employers, and create classes that focus on science, technology, engineering and math – the skills today's employers are looking for to fill the jobs that are there right now and will be there in the future. **President Obama, 2013 State of the Union**

STEM Initiatives and Grant

America's Promise Job Driven Grant Program

FACT SHEET: White House Launches New \$100 Million Competition to Expand Tuition-Free Community College Programs that Connect Americans to In-Demand Jobs

"Every American, whether they're young or just young at heart, should be able to earn the skills and education necessary to compete and win in the 21st century economy."

– President Barack Obama

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