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Workforce and Economic Projections, and PCC

Outline

- Economic / Workforce Indicators – U.S., Oregon, Portland Metro Region
- Education and Training for Future Workforce Needs



Economic Projections - State

- Oregon has the 9th-fastest growing economy in the nation
- Jobs in Oregon will grow to nearly 2.1 million by 2020
- Fastest growth sectors:
 - o Healthcare (Support and Professional/Technical)
 - o Social Sciences
 - o Community Services and Arts
 - o STEM

By 2020,
healthcare
will account
for 20% of all
US jobs and
25% of GDP.

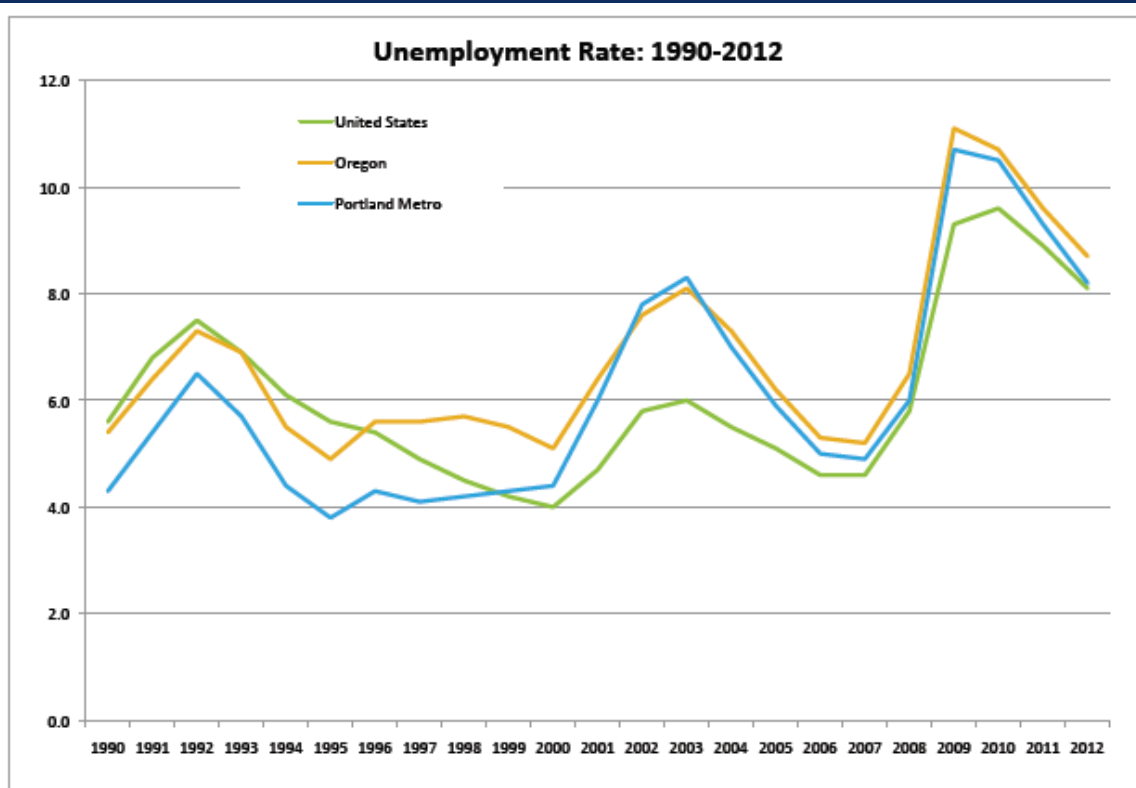


Projections - Portland Metro

- Portland Metro has the 5th fastest-growing labor force in the nation.
- 2013-2050:
 - Oregon – 44%
 - Clackamas County – 53%
 - Columbia County – 44%
 - Multnomah County – 31%
 - Washington County – 69%
 - Yamhill County – 66%

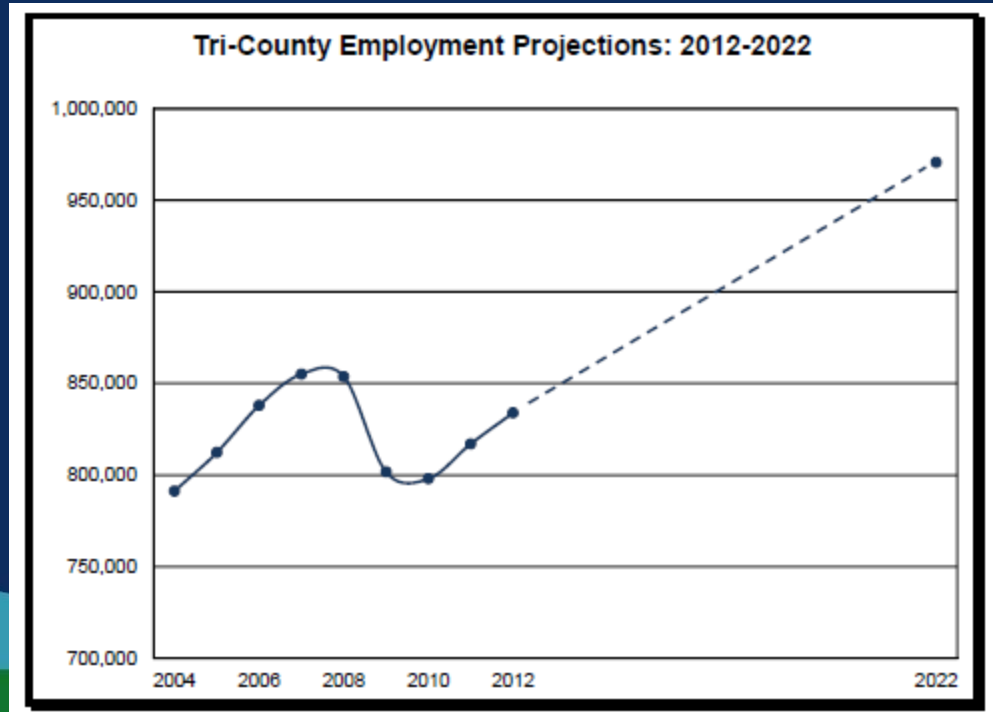


Employment - Portland Metro



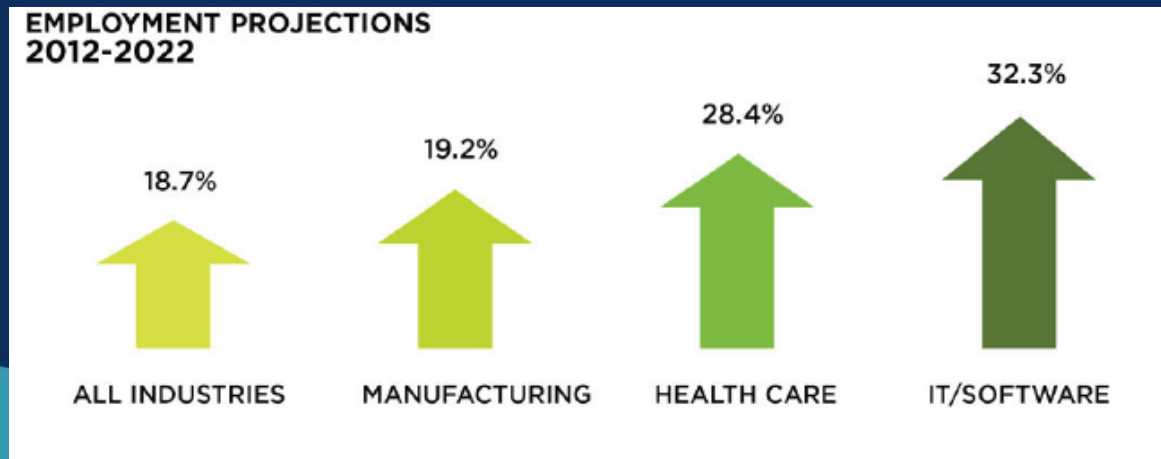
Employment Projections - Portland Metro

- Clackamas, Multnomah & Washington Counties will experience a 16% increase in employment over 10 years.



Industry Sector Projections - Portland Metro

- Job openings will occur in almost all occupations, but especially:



← These 3 areas correspond to Worksystems' "sector strategies"



STEM – Portland Metro

20% of all U.S. jobs require a high level of knowledge in a STEM field. Half of all STEM jobs are available to workers without a 4-year college degree. They are in manufacturing, health care, or construction industries.

STEM JOBS, 2011

Jobs

201,820

RANK: 24 out of 100

Job Share

21.0%

RANK: 27 out of 100

Jobs requiring specialized knowledge in...

SCIENCE

89,610 (9.3%)

COMPUTERS

47,400 (4.9%)

ENGINEERING

112,710 (11.7%)

MATH

64,720 (6.7%)

STEM JOBS by DEGREE REQUIRED

Bachelor's or more

53.6%

RANK: 24 out of 100

Associates' or less

46.4%

RANK: 77 out of 100



STEM WAGES

All jobs

STEM: \$72,283

NON-STEM: \$40,570

Jobs requiring a Bachelor's or more

STEM: \$85,070

NON-STEM: \$63,413

Jobs requiring an Associates' or less

STEM: \$57,533

NON-STEM: \$34,970



Other Issues – Portland Metro

Youth Unemployment

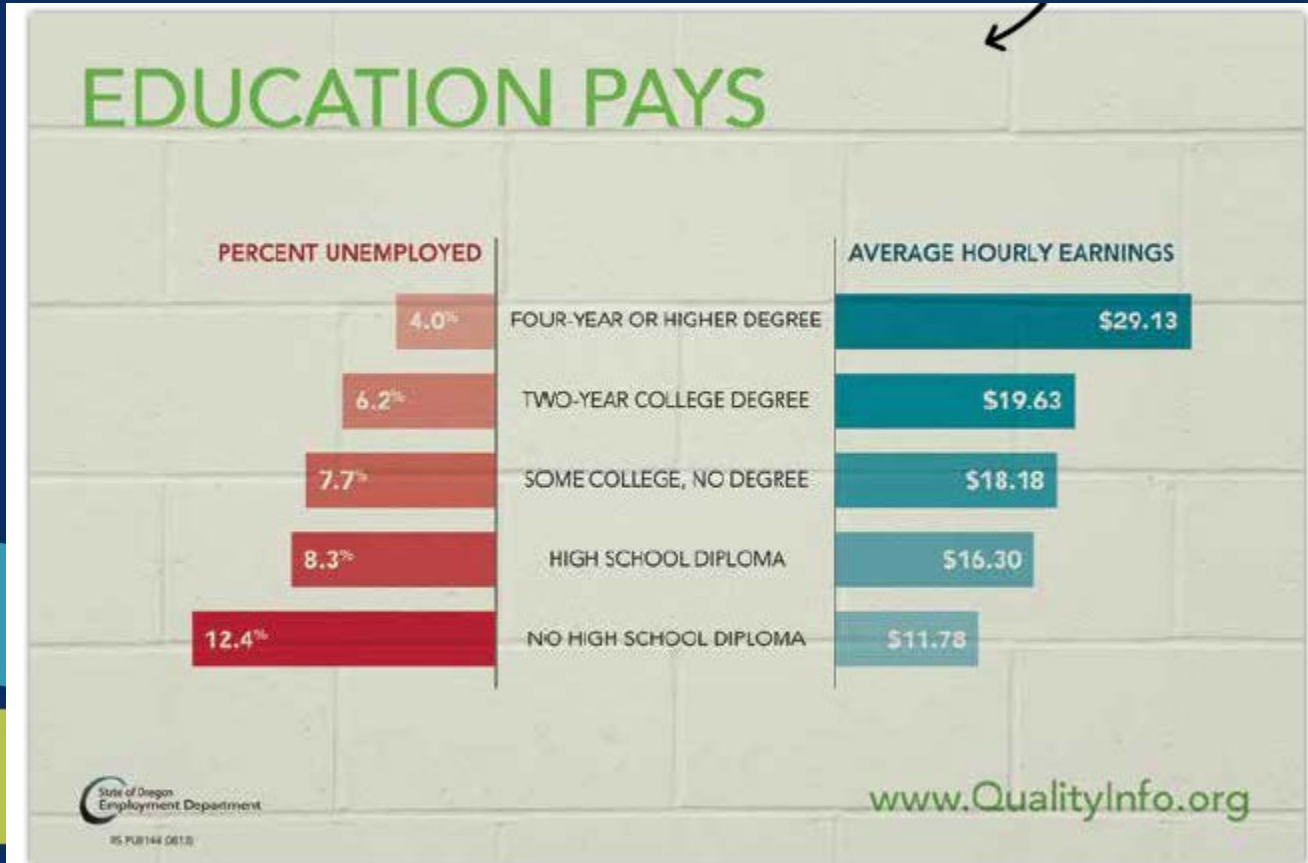
On the employment front, youth employment is at its lowest level since World War II. Regional youth unemployment stands at nearly 28%, and this number is significantly higher for low-income and youth of color.

Skills Gap

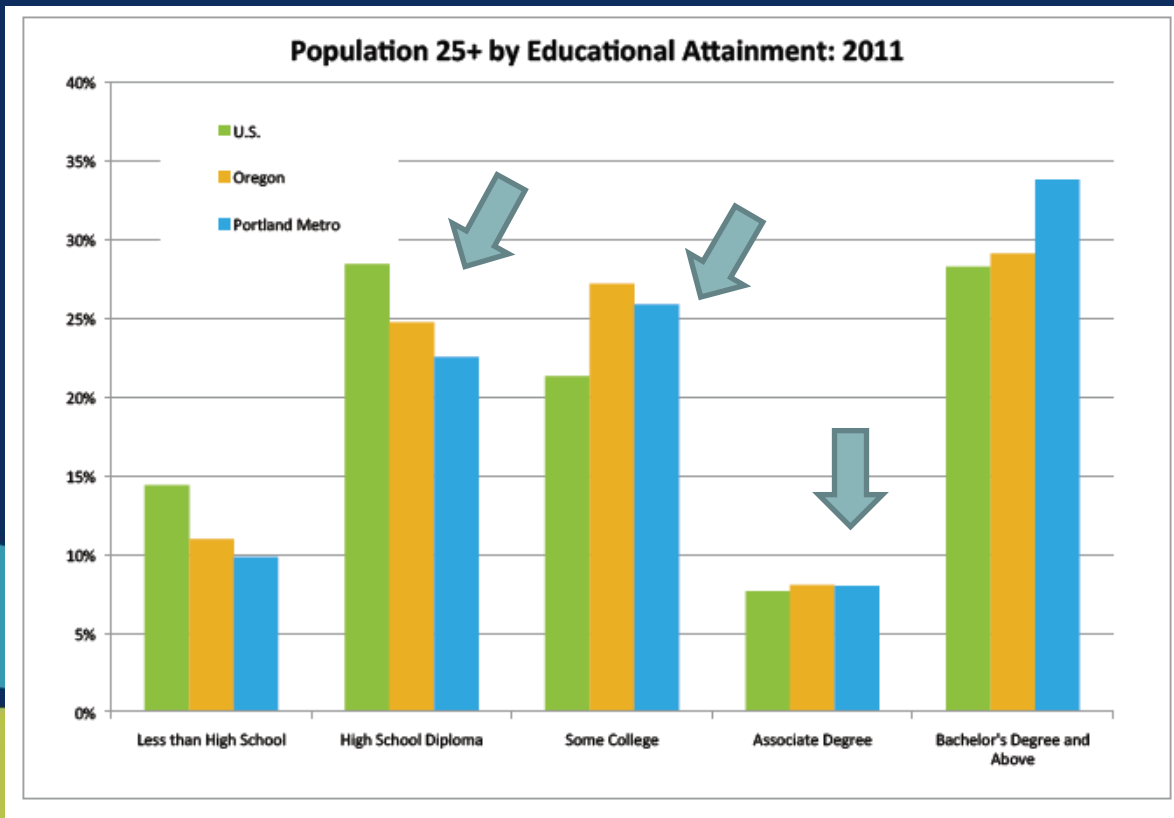
More than 96,000 people are unemployed in the region, yet many employers express concerns about finding qualified workers. The combination of education and experience required by regional employers increasingly does not reflect the qualifications of regional job seekers. Addressing the mismatch between the skills of available workers and current and projected jobs is the fundamental challenge facing the region's workforce efforts.



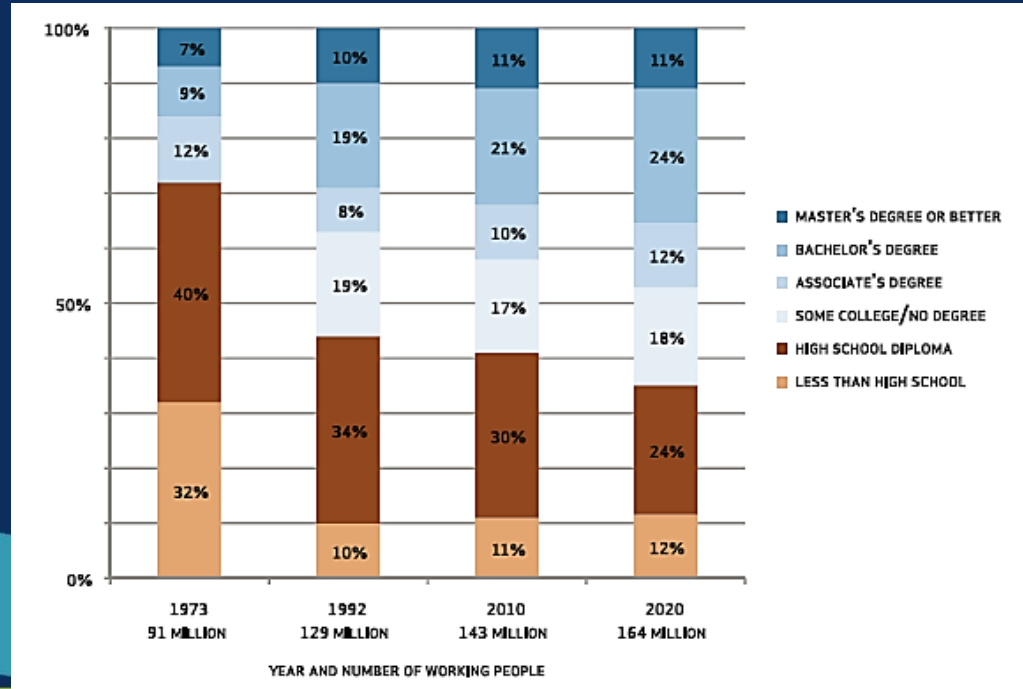
The Role of Education



Educational Attainment



By 2020, 65-70% of all jobs will require postsecondary education and training; up from 28% percent in 1973.



PCC Meets Workforce Needs of Today

- Career and Technical Education – over 100 degrees and certificates in more than 80 areas of study
- Career Pathways – short-term, stackable credit certificates leading to high-demand, entry-level jobs and ultimately associate degrees
- Skilling Up through CLIMB – customized workforce training, health professions courses, small business development
- Occupational Skills Training – credit retraining through vocational rehabilitation contracts
- Worksource and DHS Services – services and training offered to the region's under- and unemployed, and to those on public assistance



PCC: Meeting the Workforce of Tomorrow

- Regarding the workforce demands of the future – especially industries like health care, IT, manufacturing and STEM – keeping curriculum current and expanding to match industry pace, content, and technology
- “Catalytic” partnerships with employers, community
- Student success in careers through stackable credentials

