

# House Committee on Commerce & Economic Development

January 2017

*Mathew Barewicz*  
*Vermont Department of Labor*  
*mathew.barewicz@vermont.gov*

# E&LMI?

The Economic & Labor Market Information Division

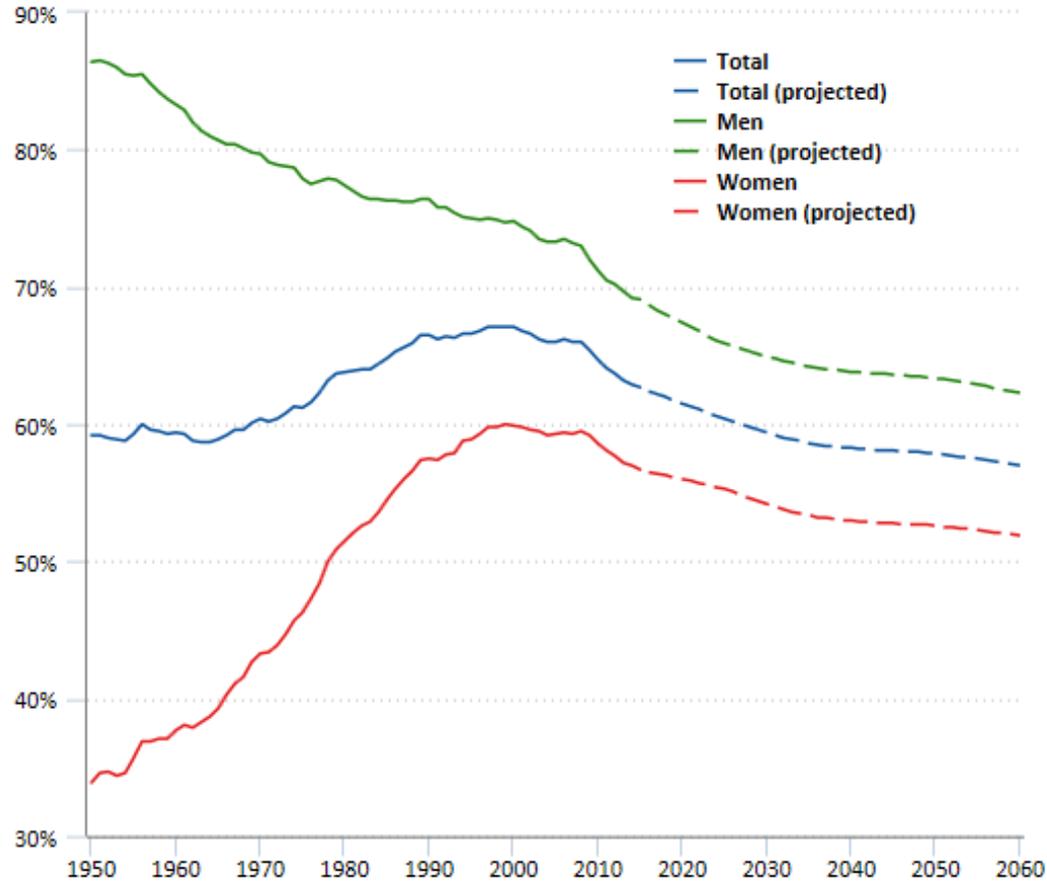
- housed in the Vermont Department of Labor
- state partner to the federal government
- 100% federally funded
  - Thank you USDOL Employment & Training Administration!

Purpose:

- to produce, explain and disseminate economic data for the benefit of the State of Vermont, educational institutes, employers, students, job-seekers, researchers, and the general public.

# The General Trend

Labor force participation rates are projected to decline

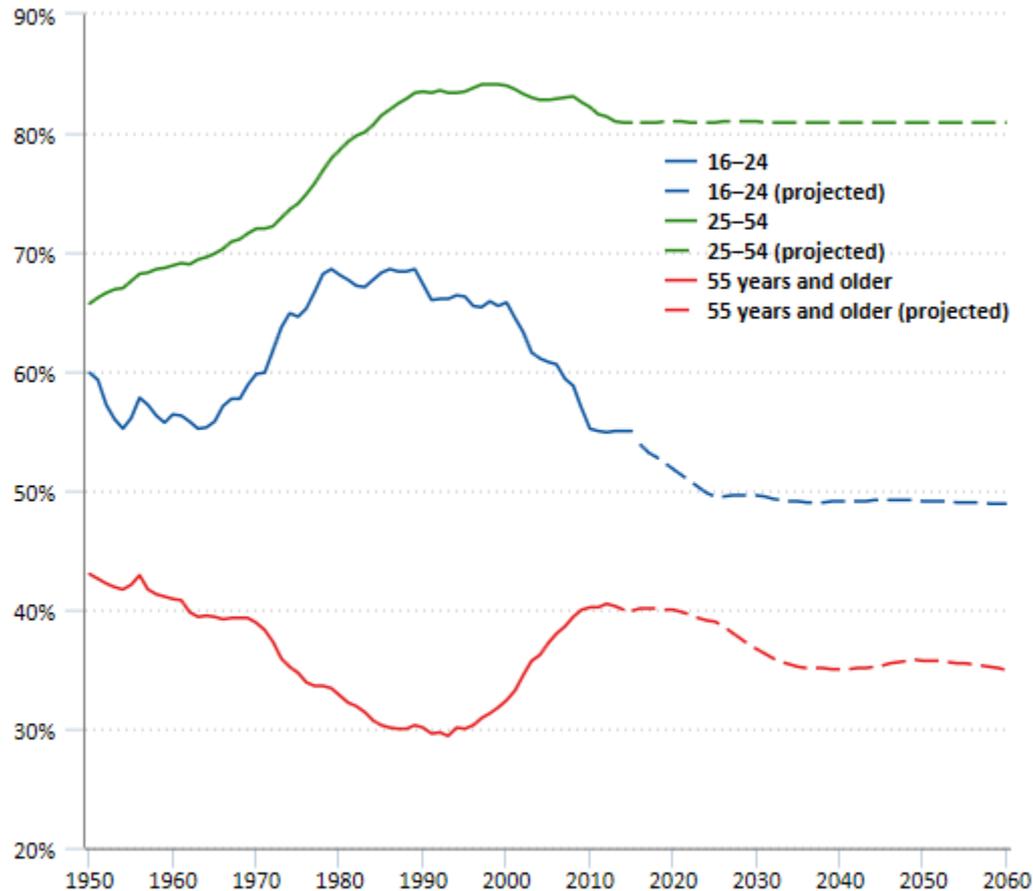


Click legend items to change data display. Hover over chart to view data.  
Source: U.S. Bureau of Labor Statistics



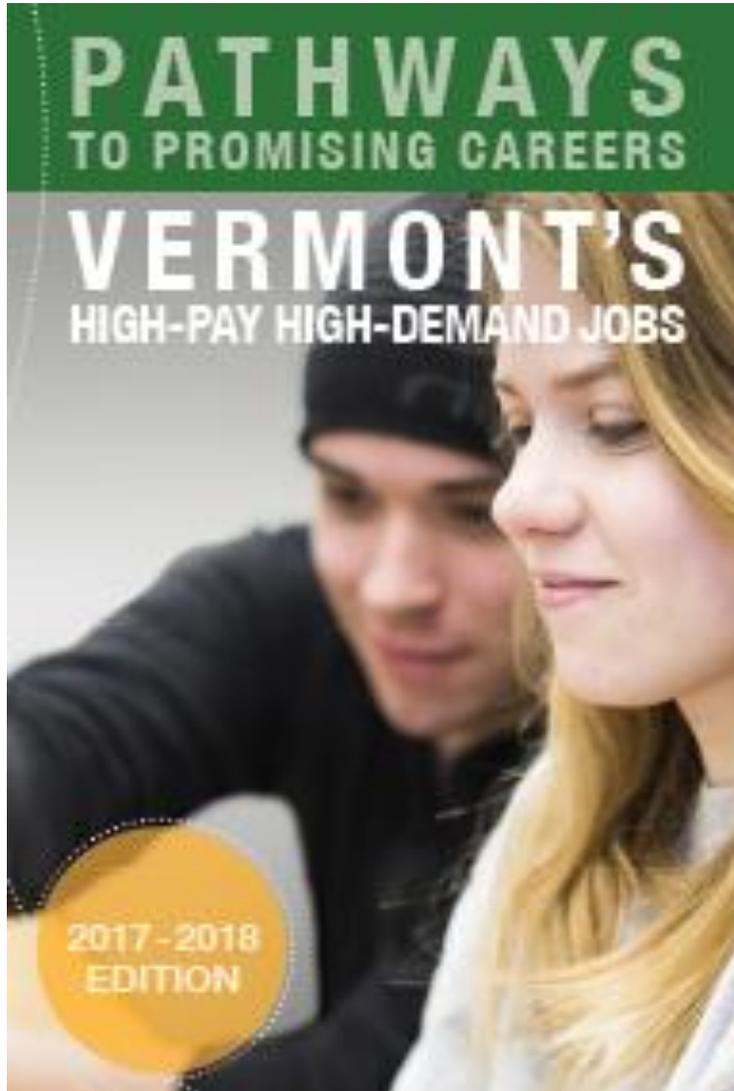
# Not just gender, but age...

Labor force participation rates of all age groups are projected to decline



Click legend items to change data display. Hover over chart to view data.  
Source: U.S. Bureau of Labor Statistics





**\*\*\* NEW \*\*\***

- Longer list of occupations
- More detail on education
- Improved grouping

# Hot off the press...

- Highlights different educational pathways
  - Post-secondary training and certificates
- Grouped by Holland Codes
- Designed to be more interactive including additional online resources

# GOALS OF THE BROCHURE

- Start a discussion
- Get people thinking
- Motivate exploration
  - of future self
  - and career

# CAUTION... DON'T...

- Assign value judgement to individual occupations
  - $job_i = job_t$
- Overly fixate on the number of positions
  - Unknown future
  - Basket of skills approach
- Over or under sell education requirements
  - Minimums are minimums!

Do you like **working with your hands or with machines** to make, fix, or build things?

	10-Year Projected Openings	Minimum Education Needed for Entry	Median Wage (hourly / yearly)
Sheet Metal Workers*	100	High school or equiv.	\$21 / \$44,700
Carpenters*	1,350	High school + training	\$20 / \$41,800
CNC Machine Operators*	460	High school + training	\$27 / \$55,200
Industrial Mechanics*	350	High school + training	\$24 / \$50,100
Diesel Engine Mechanics*	200	High school + training	\$21 / \$42,700
Electrical Power-Line Installers*	170	High school + training	\$34 / \$69,700
Water Treatment Plant Operators*	100	High school + training	\$22 / \$45,800
Electricians*	400	Registered apprenticeship	\$22 / \$45,400
Plumbers and Pipefitters*	280	Registered apprenticeship	\$23 / \$48,800
HVAC Mechanics and Installers*	130	Certificate Program	\$23 / \$47,500
Civil Engineers	250	Bachelor's degree	\$34 / \$70,700
Mechanical Engineers	190	Bachelor's degree	\$36 / \$74,800
Electrical Engineers	140	Bachelor's degree	\$41 / \$85,000

Are you **organized and detail-oriented**  
and do you like to **work with lots of information?**

	10-Year Projected Openings	Minimum Education Needed for Entry	Median Wage (hourly / yearly)
Executive Secretaries*	250	High school or equiv.	\$23 / \$47,300
Patrol Officers	530	High school + training	\$22 / \$46,000
Planning Clerks*	180	High school + training	\$20 / \$42,100
Claims Adjusters*	100	High school + training	\$32 / \$66,400
Paralegals and Legal Assistants*	180	Associate's degree	\$24 / \$49,000
Accountants and Auditors*	1,160	Bachelor's degree	\$31 / \$65,000
Compliance Officers	560	Bachelor's degree	\$30 / \$62,900
Market Research Analysts	540	Bachelor's degree	\$24 / \$49,400
Management Analysts	300	Bachelor's degree	\$38 / \$78,500
Personal Financial Advisors	200	Bachelor's degree	\$26 / \$55,000
Cost Estimators	160	Bachelor's degree	\$30 / \$62,700
Editors	140	Bachelor's degree	\$22 / \$45,800
Loan Officers	100	Bachelor's degree	\$29 / \$60,400
Lawyers	340	Doctoral degree	\$44 / \$91,600

Do you like to **observe,**  
**learn, analyze, and solve problems?**

	10-Year Projected Openings	Minimum Education Needed for Entry	Median Wage (hourly / yearly)
Licensed Practical Nurses*	490	Certificate Program	\$22 / \$45,500
Massage Therapists*	320	Certificate Program	\$26 / \$54,700
Computer Support Specialists*	330	Postsecondary training	\$24 / \$49,300
Dental Hygienists	130	Associate's degree	\$32 / \$66,300
Registered Nurses	2,290	Bachelor's degree	\$30 / \$62,800
Computer Systems Experts - 2 Types*	440	Bachelor's degree	\$35 / \$72,400
Environmental & Health Scientists	170	Bachelor's degree	\$28 / \$57,200
Nurse Practitioners	210	Master's degree	\$45 / \$93,600
Speech-Language Pathologists	140	Master's degree	\$32 / \$66,700
Physician Assistants	130	Master's degree	\$50 / \$104,800
Clinical and School Psychologists	410	Doctoral degree	\$26 / \$54,900
Physical Therapists	360	Doctoral degree	\$36 / \$74,400
Physicians – General Practitioners	140	Doctoral degree	\$72 / \$150,200
Pharmacists	120	Doctoral degree	\$63 / \$130,900

Do you like to **work with people** and **use your creativity** to guide or persuade?

	10-Year Projected Openings	Minimum Education Needed for Entry	Median Wage (hourly / yearly)
Sales Representatives - 3 Types	1,090	High school + training	\$28 / \$58,500
Insurance Sales Agents	450	High school + training	\$22 / \$46,700
Advertising Sales Agents	120	High school + training	\$21 / \$43,200
Web Developers*	260	Associate's degree	\$29 / \$60,100
Teachers - 7 Types*	2,280	Bachelor's degree	na / \$54,600
Software Developers - 2 Types*	480	Bachelor's degree	\$41 / \$85,600
Purchasing Agents & Buyers*	350	Bachelor's degree	\$24 / \$49,100
Human Resources Specialists	260	Bachelor's degree	\$27 / \$55,900
Public Relations Specialists	160	Bachelor's degree	\$24 / \$49,900
Writers and Authors	150	Bachelor's degree	\$24 / \$50,800
Financial Services Sales Agents	110	Bachelor's degree	\$32 / \$66,600
School & Vocational Counselors	220	Master's degree	\$25 / \$51,800
Healthcare Social Workers	150	Master's degree	\$22 / \$46,100

# RESOURCES

In addition to the brochure,

- [www.mcclurevt.org/pathways](http://www.mcclurevt.org/pathways)
- [MyskillsMyfuture.org](http://MyskillsMyfuture.org)
- [MyNextMove.org](http://MyNextMove.org)
- [VTLMI.info](http://VTLMI.info)

# PRESENTATION SUMMARY

- There are lots of opportunities in the Vermont economy for workers of all educational backgrounds and experiences
  - And more skills leads to higher wages
- VTLMI.info has a wealth of free information
- More information leads to better decisions
- Keep doing what you are doing!

# Questions???

# & Thank you!

Mathew Barewicz

Economic & Labor Market Information Division

Vermont Department of Labor

802.828.4153

[mathew.barewicz@vermont.gov](mailto:mathew.barewicz@vermont.gov)