

House Committee on Appropriations April 2019

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The Economic & Labor Market Information Division

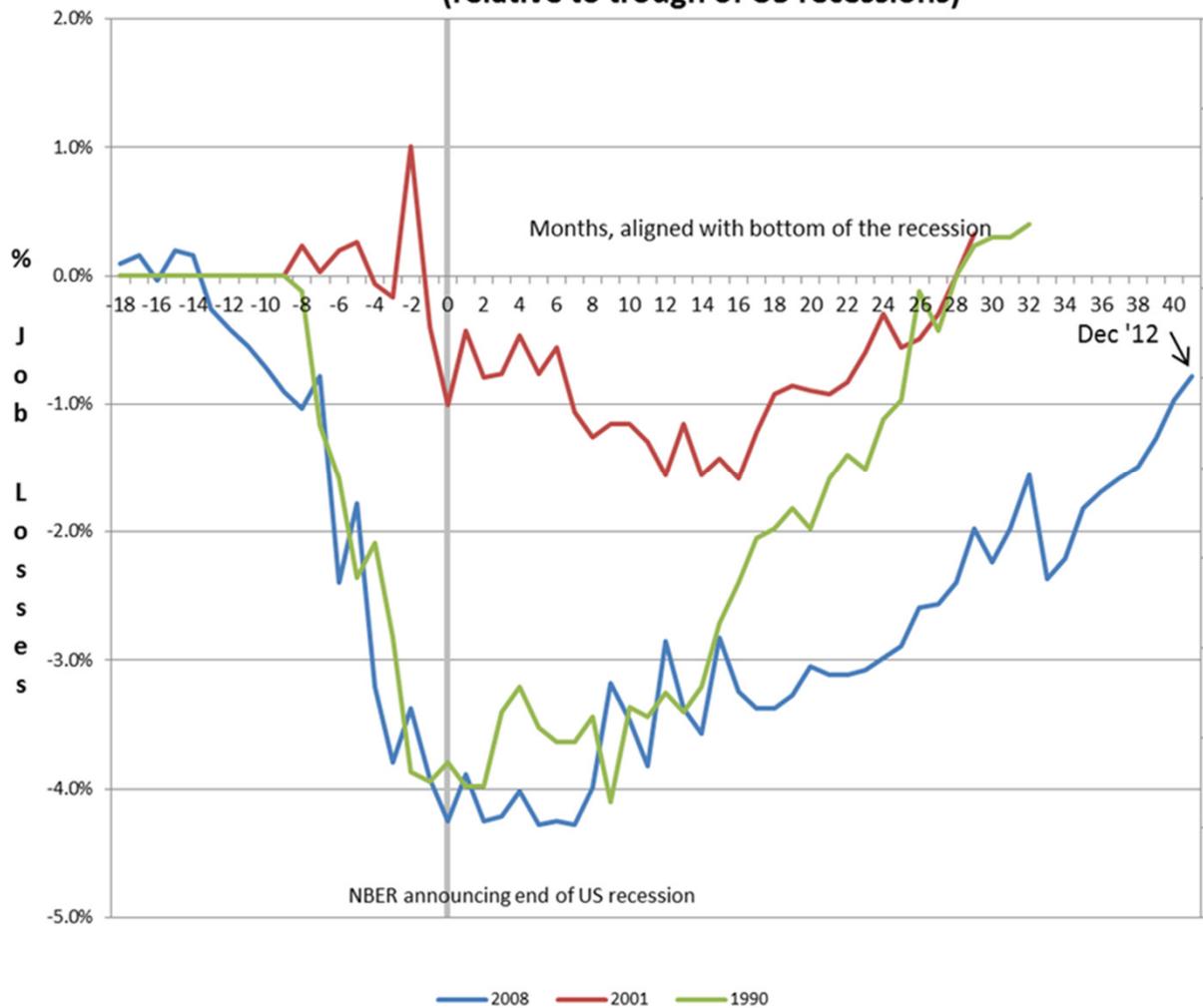
- Housed in the Vermont Department of Labor
- State partner to the Federal Government
- 100% federally funded
 - Thank you to the USDOL Employment & Training Administration!

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.

Agenda

- Looking Back to Look Forward

**VT's Last Three Recessions: % Change in Jobs & Duration in Months
(relative to trough of US recessions)**



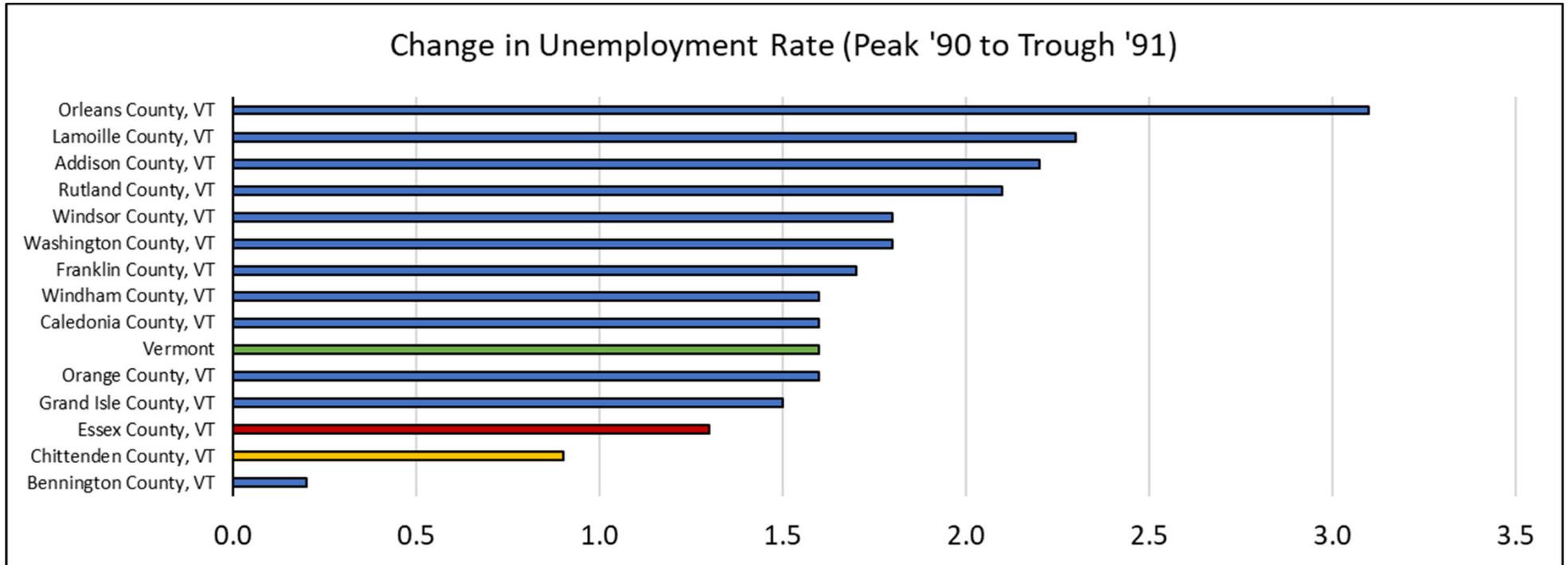
Vermont – Last 3 Recessions

Vermont - Recessions of the Past

(Relative to the US)

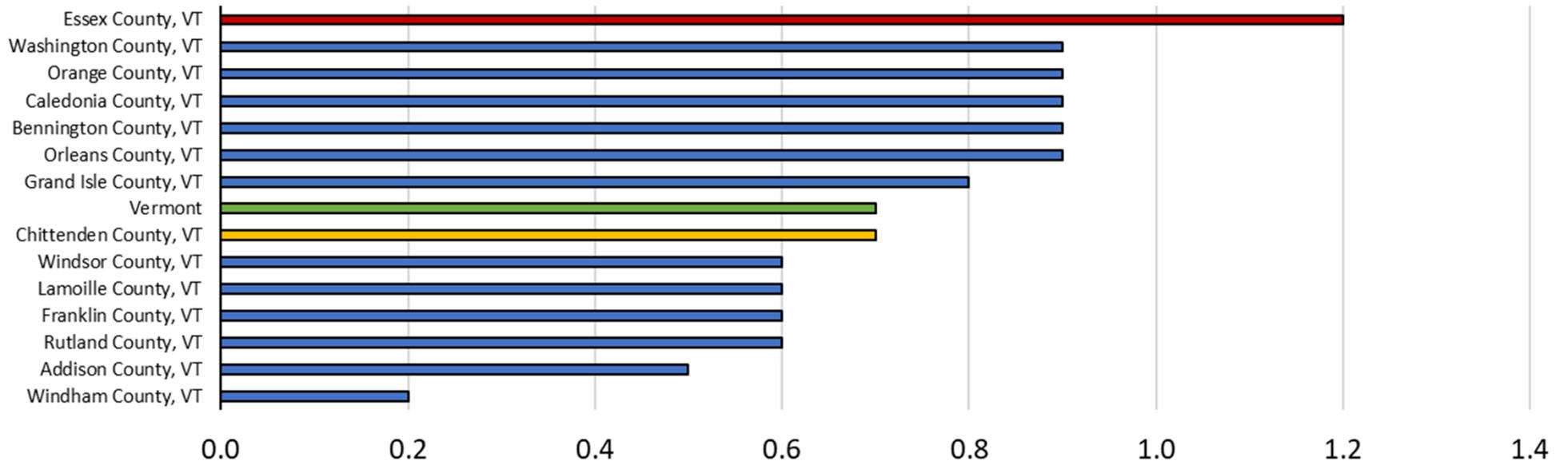
- 1990 – Major
- 2001 – Minor
- 2007 – “Moderate”

VT Recessions – The County Experience



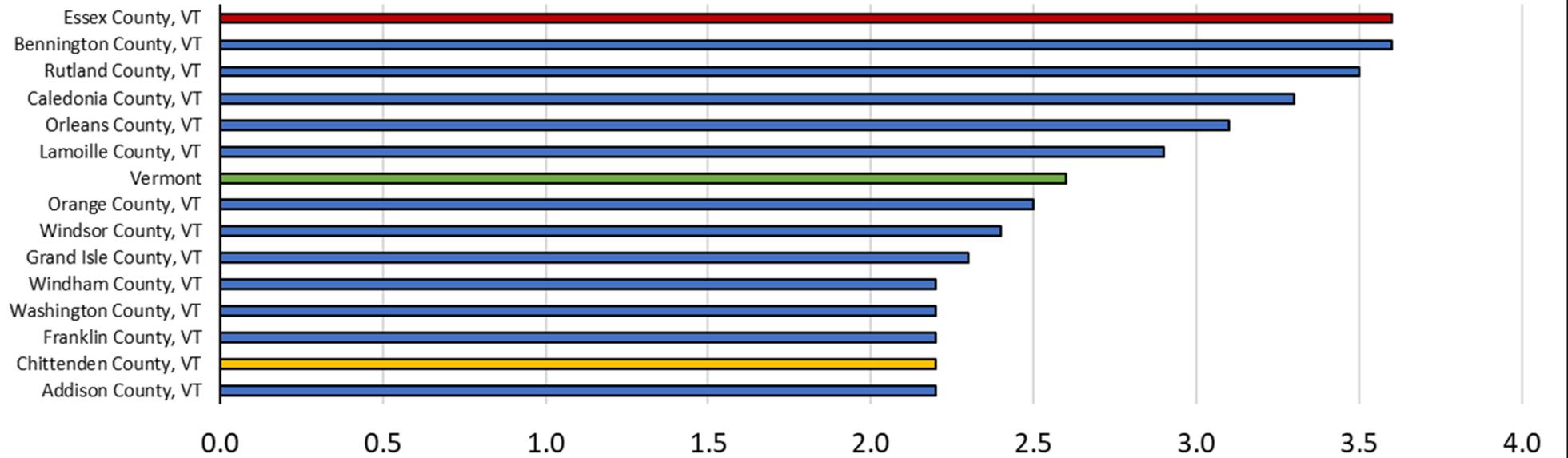
VT Recessions – The County Experience

Change in Unemployment Rate (Peak '01 to Trough '02)

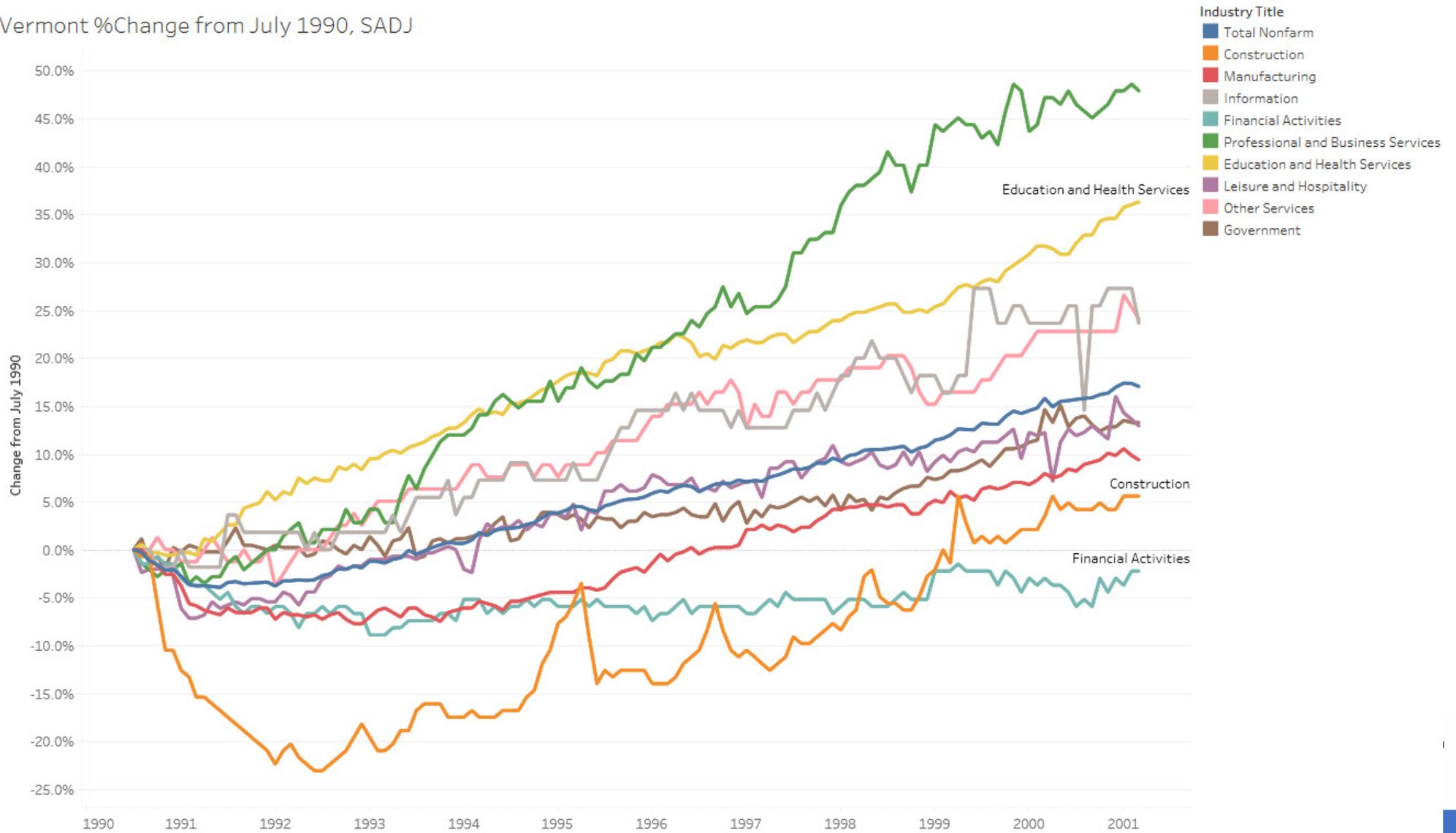


VT Recessions – The County Experience

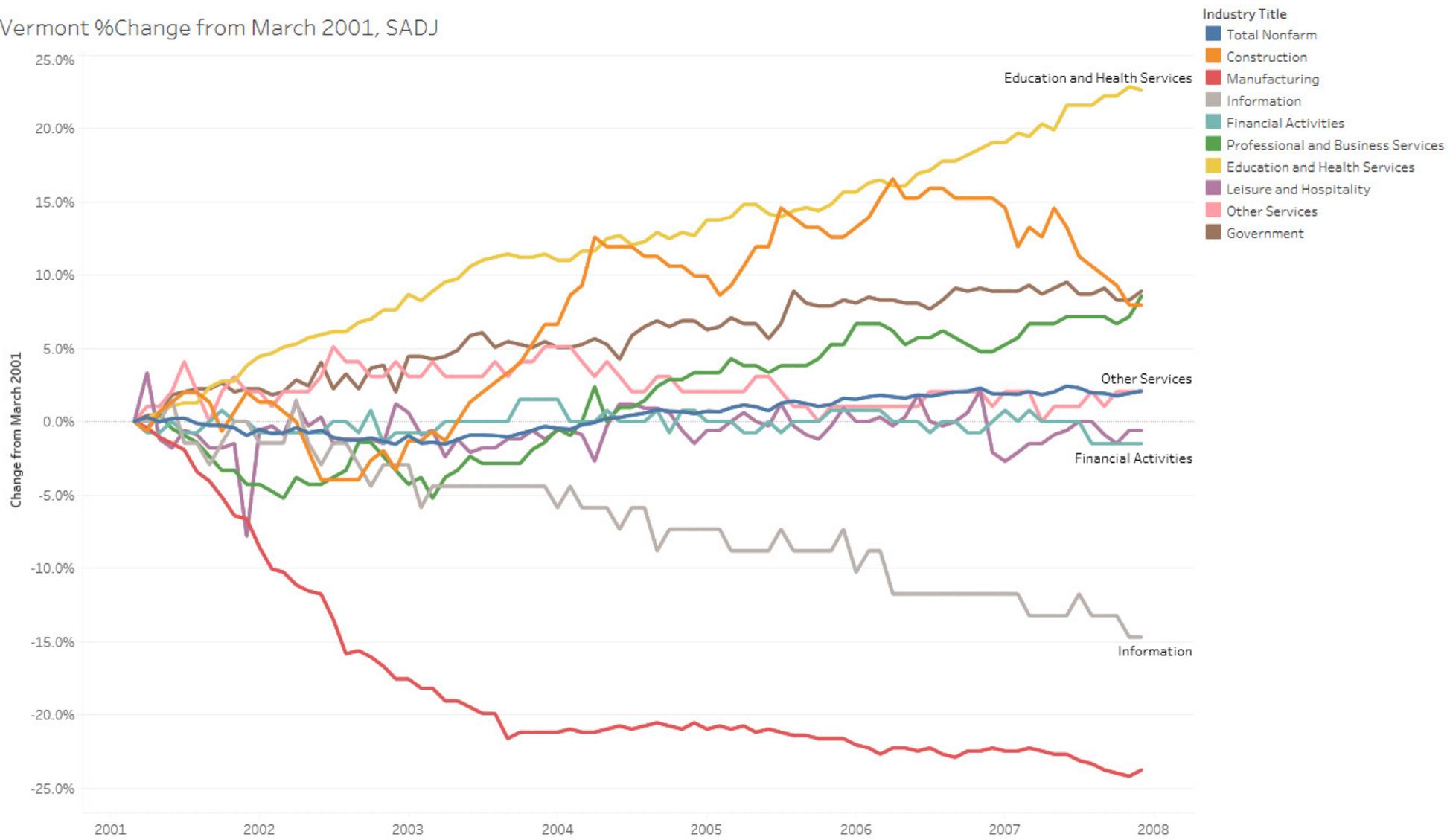
Change in Unemployment Rate (Peak '07 to Trough '09)



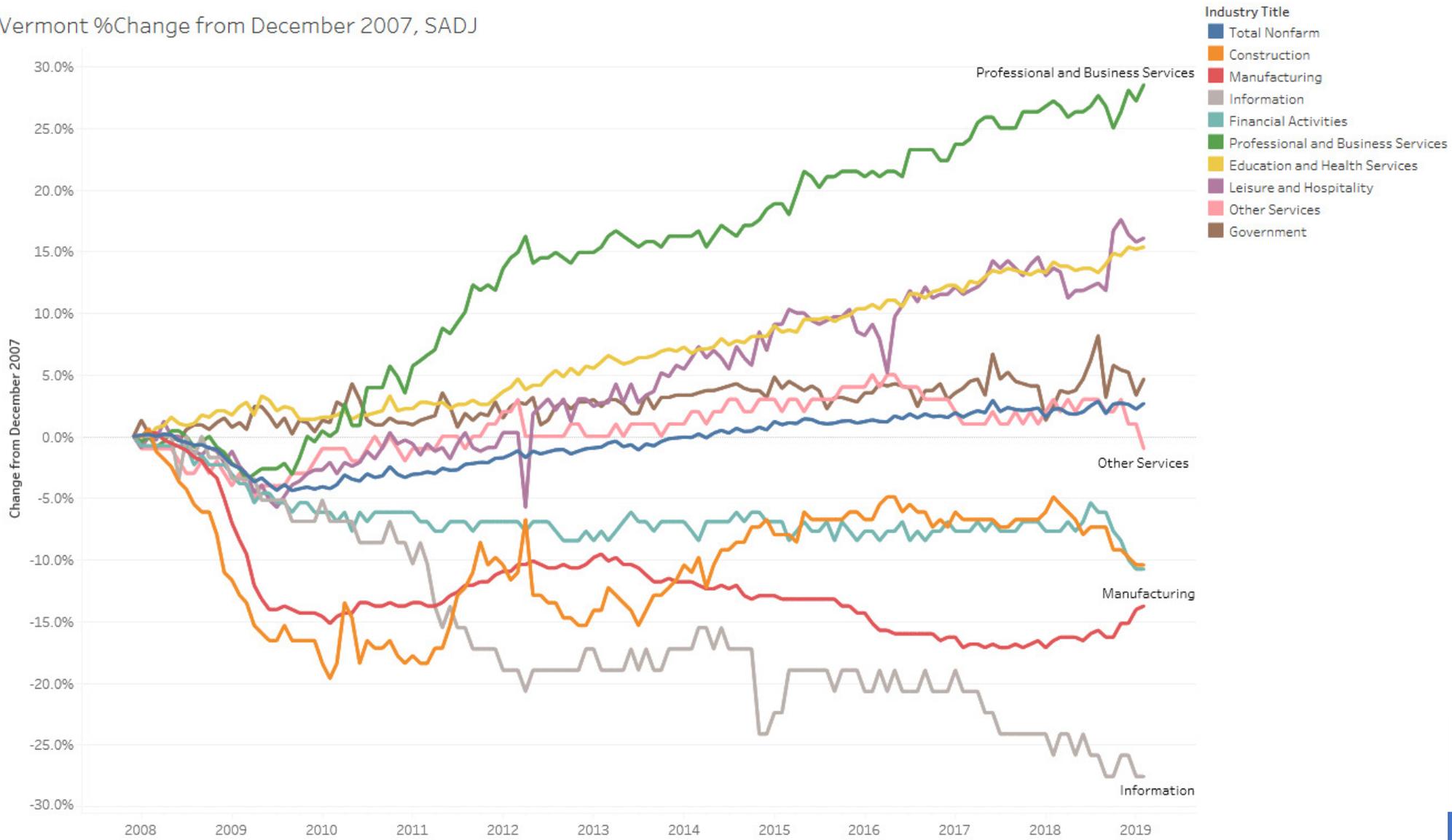
Vermont %Change from July 1990, SADJ



Vermont %Change from March 2001, SADJ



Vermont %Change from December 2007, SADJ



VT Nonfarm Payroll Employment Growth, seasonally adjusted (000s)

1990 Recession

| NAICS Industry | Trough | Start of recovery | 3 years into recovery | Jobs added in recovery | Jobs added in expansion (3 years) |
|---|--------------|-------------------|-----------------------|------------------------|-----------------------------------|
| | Jun-91 | Sep-93 | Sep-96 | | |
| Statewide, Total Nonfarm | 248.1 | 258.9 | 276.0 | 10.8 | 17.1 |
| Total Private | 204.5 | 214.8 | 230.2 | 10.3 | 15.4 |
| Construction | 11.9 | 12.0 | 13.5 | 0.1 | 1.5 |
| Manufacturing | 39.8 | 39.7 | 42.8 | -0.1 | 3.1 |
| Trade, Transportation and Utilities | 48.9 | 51.7 | 54.1 | 2.8 | 2.4 |
| Information | 5.4 | 5.8 | 6.3 | 0.4 | 0.5 |
| Financial Activities | 12.8 | 12.5 | 12.7 | -0.3 | 0.2 |
| Professional and Business Services | 13.8 | 15.6 | 17.8 | 1.8 | 2.2 |
| Education and Health Services | 35.3 | 38.8 | 41.6 | 3.5 | 2.8 |
| Leisure and Hospitality | 27.6 | 29.3 | 31.2 | 1.7 | 1.9 |
| Other Services | 7.9 | 8.4 | 9.2 | 0.5 | 0.8 |
| Government | 43.6 | 44.1 | 45.8 | 0.5 | 1.7 |
| Burlington-S. Burlington Metro (NECTA) Total Nonfarm | 90.3 | 94.2 | 102.3 | 3.9 | 8.1 |

*Start of recovery based on NBER's business cycle peaks at the U.S. level

VT Nonfarm Payroll Employment Growth, seasonally adjusted (000s)

2001 Recession

| NAICS Industry | Trough | Start of recovery | 3 years into recovery | Jobs added in recovery | Jobs added in expansion (3 years) |
|---|--------------|-------------------|-----------------------|------------------------|-----------------------------------|
| | Dec-02 | May-04 | May-07 | | |
| Statewide, Total Nonfarm | 297.6 | 303.0 | 308.4 | 5.4 | 5.4 |
| Total Private | 247.1 | 250.9 | 254.4 | 3.8 | 3.5 |
| Construction | 14.6 | 16.9 | 17.3 | 2.3 | 0.4 |
| Manufacturing | 38.5 | 36.9 | 36.1 | -1.6 | -0.8 |
| Trade, Transportation and Utilities | 58.4 | 58.9 | 59.1 | 0.5 | 0.2 |
| Information | 6.6 | 6.4 | 5.9 | -0.2 | -0.5 |
| Financial Activities | 13.1 | 13.3 | 13.2 | 0.2 | -0.1 |
| Professional and Business Services | 20.3 | 21.0 | 22.4 | 0.7 | 1.4 |
| Education and Health Services | 50.9 | 53.2 | 56.7 | 2.3 | 3.5 |
| Leisure and Hospitality | 33.6 | 33.1 | 32.9 | -0.5 | -0.2 |
| Other Services | 10.2 | 10.2 | 9.9 | 0.0 | -0.3 |
| Government | 50.5 | 52.1 | 54.0 | 1.6 | 1.9 |
| Burlington-S. Burlington Metro (NECTA) Total Nonfarm | 112.1 | 114.1 | 115.6 | 2.0 | 1.5 |

*Start of recovery based on NBER's business cycle peaks at the U.S. level

VT Nonfarm Payroll Employment Growth, seasonally adjusted (000s)

2007 Recession

| NAICS Industry | Trough | Start of recovery | 3 years into recovery | Jobs added in recovery | Jobs added in expansion (3 years) |
|---|--------------|-------------------|-----------------------|------------------------|-----------------------------------|
| | Sep-09 | Mar-14 | Mar-17 | | |
| Statewide, Total Nonfarm | 295.0 | 309.2 | 314.3 | 14.2 | 5.1 |
| Total Private | 241.0 | 253.4 | 258.0 | 12.4 | 4.6 |
| Construction | 13.6 | 14.7 | 15.2 | 1.1 | 0.5 |
| Manufacturing | 30.6 | 31.3 | 29.6 | 0.7 | -1.7 |
| Trade, Transportation and Utilities | 55.6 | 55.5 | 55.2 | -0.1 | -0.3 |
| Information | 5.4 | 4.9 | 4.6 | -0.5 | -0.3 |
| Financial Activities | 12.2 | 11.9 | 12.0 | -0.3 | 0.1 |
| Professional and Business Services | 22.1 | 26.6 | 28.3 | 4.5 | 1.7 |
| Education and Health Services | 59.3 | 62.1 | 65.3 | 2.8 | 3.2 |
| Leisure and Hospitality | 31.7 | 35.4 | 36.9 | 3.7 | 1.5 |
| Other Services | 9.7 | 10.2 | 10.1 | 0.5 | -0.1 |
| Government | 54.0 | 55.8 | 56.3 | 1.8 | 0.5 |
| Burlington-S. Burlington Metro (NECTA) | | | | | |
| Total Nonfarm | 112.0 | 121.9 | 125.6 | 9.9 | 3.7 |

*Start of recovery based on NBER's business cycle peaks at the U.S. level

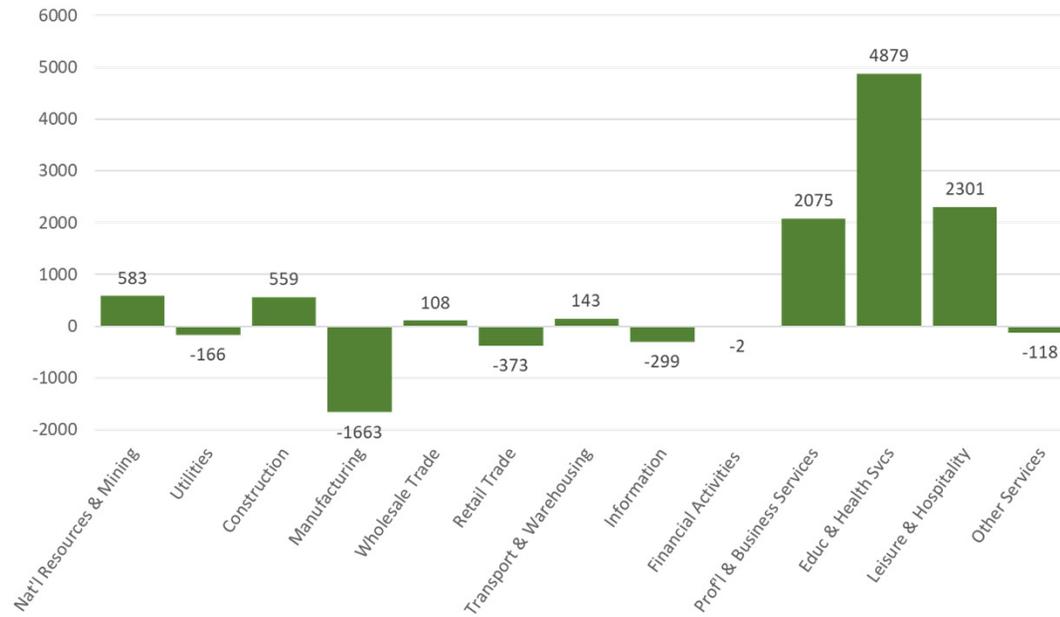
Demographics[^]

Population Changes by Age Cohort

| Age | Population | | | Change 2015-16 | % | Average Annual | | Age Distribution | |
|-------------|------------|---------|---------|-------------------|-------|-------------------|---------------------------|------------------|--------|
| | 2016 | 2015 | 2010 | | | Change 2010-16 | % ¹ 2010-16 | 2016 | 2010 |
| Vermont | | | | | | | | | |
| 0-4 Years | 30,641 | 30,408 | 31,952 | 233 | 0.8% | -219 | -0.7% | 4.9% | 5.1% |
| 5-14 Years | 65,917 | 66,824 | 72,291 | -907 | -1.4% | -1,062 | -1.5% | 10.6% | 11.6% |
| 15-19 Years | 42,608 | 43,451 | 46,012 | -843 | -1.9% | -567 | -1.3% | 6.8% | 7.4% |
| 20-34 Years | 119,814 | 118,836 | 113,473 | 978 | 0.8% | 1,057 | 0.9% | 19.2% | 18.1% |
| 35-54 Years | 155,791 | 159,885 | 180,962 | -4,094 | -2.6% | -4,195 | -2.5% | 24.9% | 28.9% |
| 55-64 Years | 96,891 | 96,745 | 89,973 | 146 | 0.2% | 1,153 | 1.2% | 15.5% | 14.4% |
| 65+ Years | 112,932 | 109,893 | 91,078 | 3,039 | 2.8% | 3,642 | 3.6% | 18.1% | 14.6% |
| Total | 624,594 | 626,042 | 625,741 | -1,448 | -0.2% | -191 | 0.0% | 100.0% | 100.0% |

[^]More recent data is available; table for discussion purposes only;

Employment Change by Industry 2016 - 2026



**Private, High-Level Industries, Vermont
2017 Annual Averages, All establishment sizes**

Source: Quarterly Census of Employment and Wages - Bureau of Labor Statistics

| High-Level Industry | Annual Average Employment Location Quotient | |
|---|---|------|
| | V | Λ |
| 10 Total, all industries | | 0.97 |
| 102 Service-providing | | 0.95 |
| 101 Goods-producing | | 1.07 |
| 1011 Natural resources and mining | | 0.96 |
| 1012 Construction | | 1.02 |
| 1013 Manufacturing | | 1.11 |
| 1021 Trade, transportation, and utilities | | 0.94 |
| 1022 Information | | 0.75 |
| 1023 Financial activities | | 0.67 |
| 1024 Professional and business services | | 0.65 |
| 1025 Education and health services | | 1.30 |
| 1026 Leisure and hospitality | | 1.09 |
| 1027 Other services | | 0.91 |

Location Quotients – LQs

US vs. VT

Greater than 1 shows higher concentration

Less than 1 shows lower concentration

Conclusions

- The future is unknown but the past provides some guidance
- More information leads to better decisions
 - VTLMI.info has a wealth of free information

Questions, Contact Info & Thank you!

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