

Career and Technical Education Regions

Industries

Distribution and Concentration of Jobs - 2017



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Industries

Distribution and Concentration of Jobs

2017

Vermont Department of Labor
Economic and Labor Market Information Division

www.vtlmi.info

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How to Use this Publication

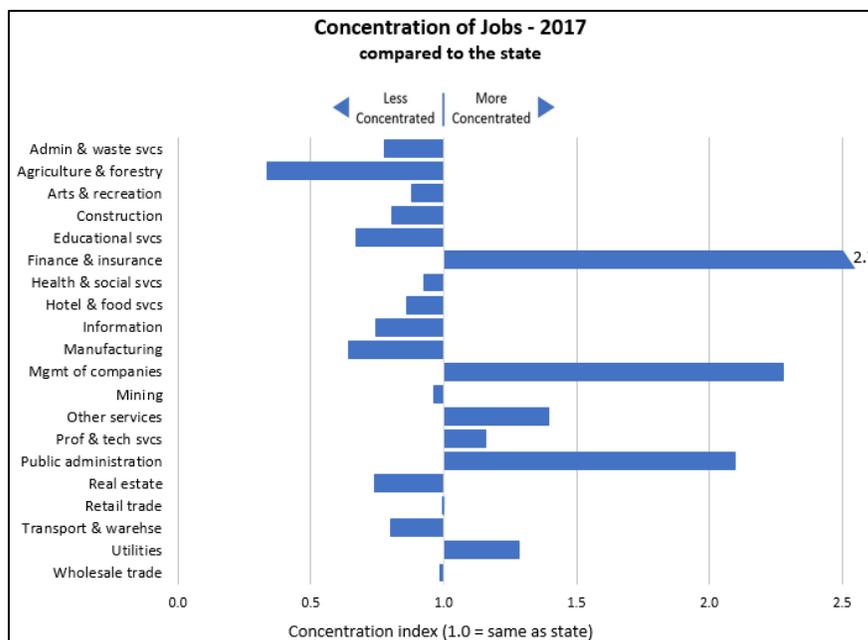
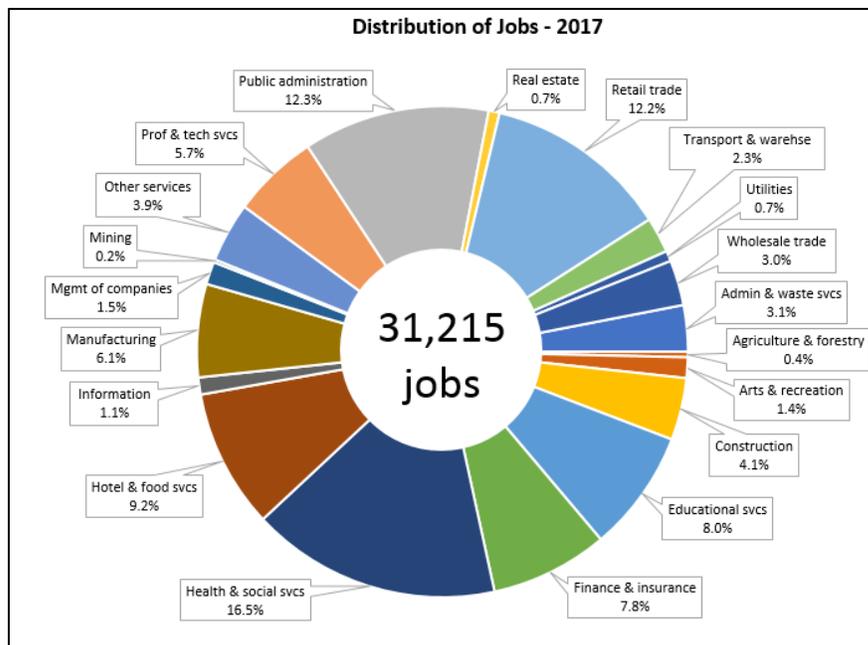
Understanding the industries that comprise a local economy can be helpful in knowing the types of jobs in the most demand. This publication provides an overview of the mix of industries in each Career and Technical Education Region (CTE), as well as how that mix differs from the state.

In this publication, you'll find two charts for each CTE showing 1) the distribution of jobs, and 2) the concentration of jobs. Distribution of jobs, illustrated by a pie chart, shows the percentage of jobs in each industry and the total number jobs located in the CTE. Note the mix of industries and those that dominate the area. For example, in the sample chart the regional economy is dominated by three industries, Health & Social Services, Retail Trade, and Public Administration (government).

Concentration of jobs, a bar graph, compares the local mix of jobs to the state average. Industries that differ from the state are highlighted by a much lower or higher value. A value of 1.0 indicates an industry's concentration matches the state, less than 1.0 indicates its less concentrated, and greater than 1.0, more concentrated. Values too large to fit on the graph are noted with an angled tip and the actual value. In the case of the sample chart, four industries stand out, one far less concentrated and three far more, of which Finance & Insurance's value is just off the chart. Concentration of jobs, compared to the state, points out the economic uniqueness of a region.

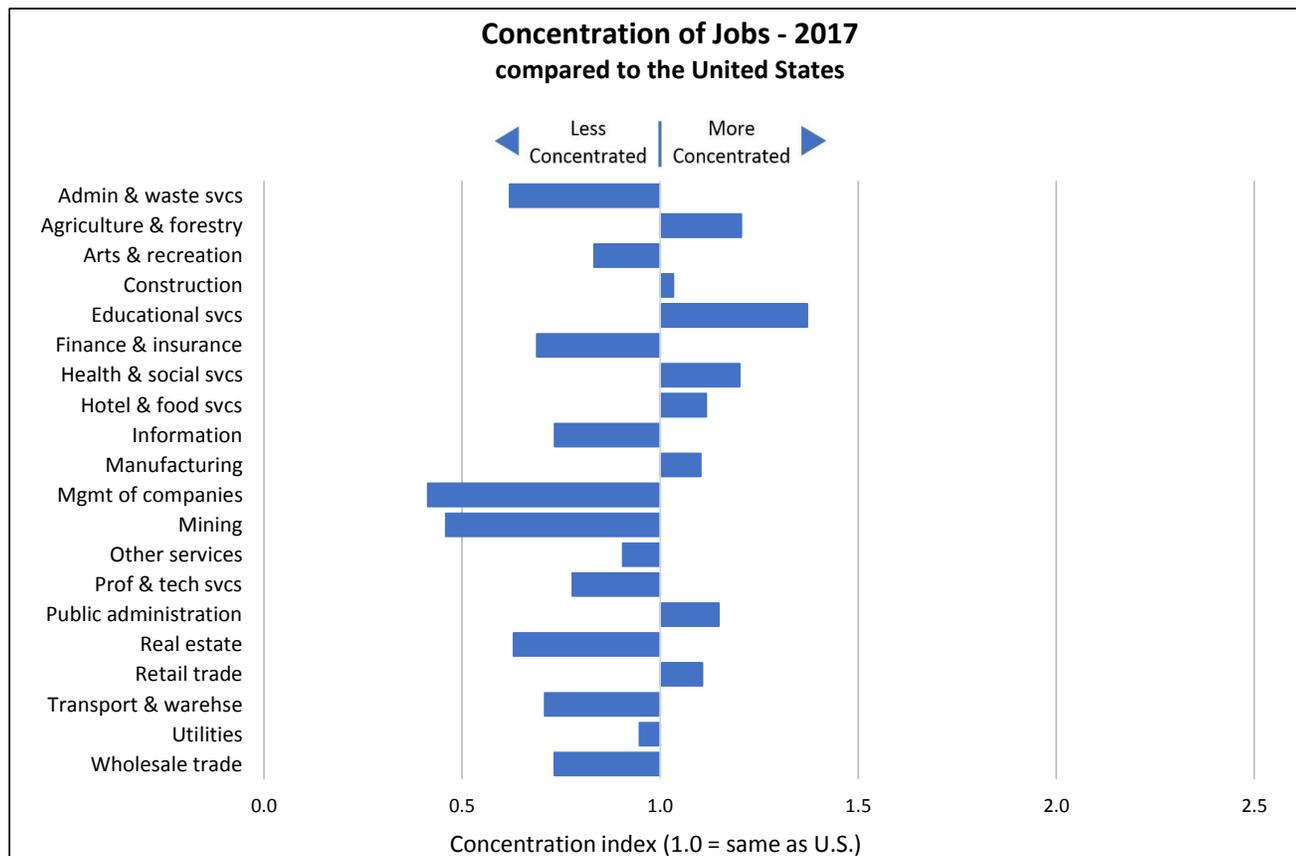
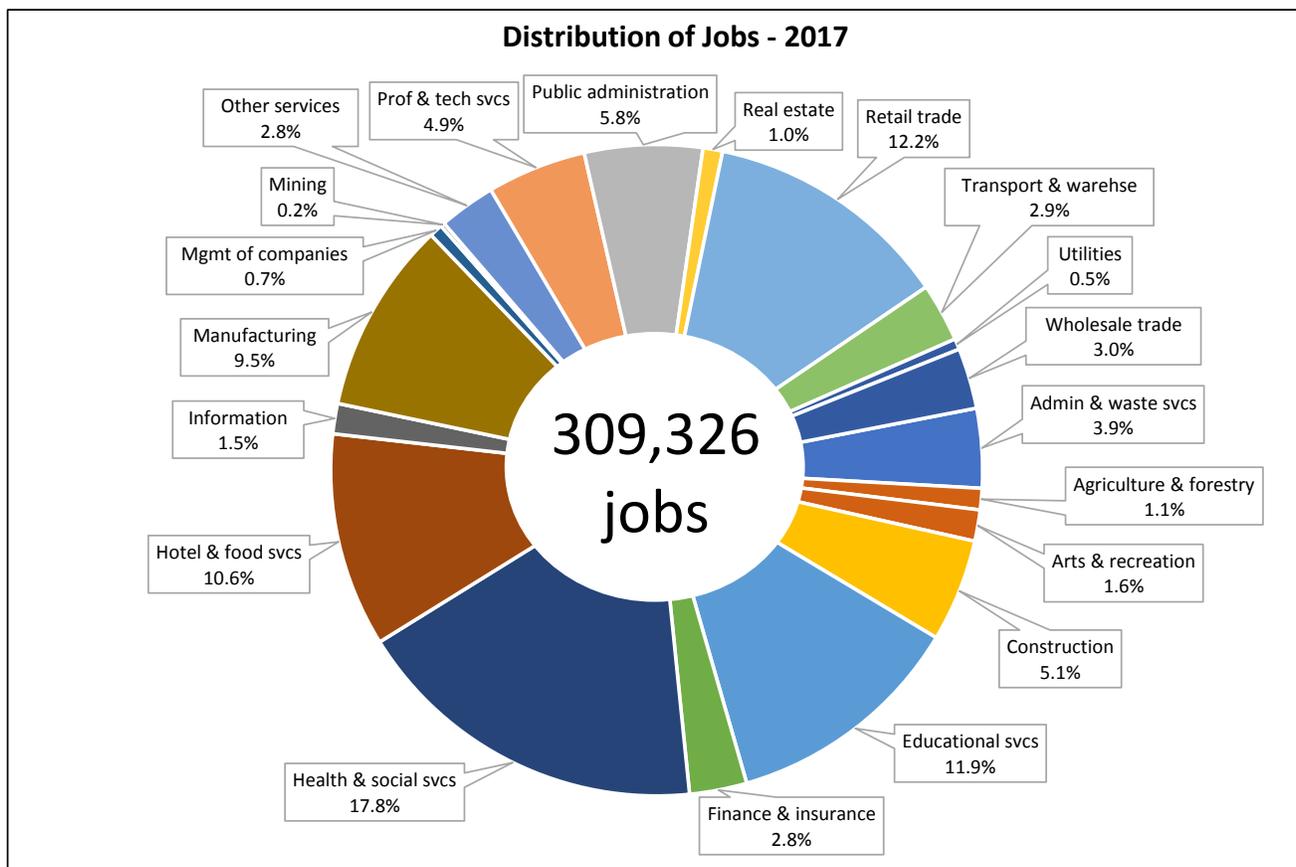
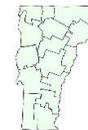
Using both charts together provides a more complete picture of the area. Of the three industries with high concentrations, one, Management of Companies, is quite small in the number of jobs (1.5%). Conversely, Health & Social Services, the largest sector in jobs, has a below average concentration. Examining both the size of an industry and its concentration gives you a sense of the importance of an industry and its contribution to the uniqueness of a region.

More information about the data, industry descriptions and CTE region definitions can be found in the appendices.





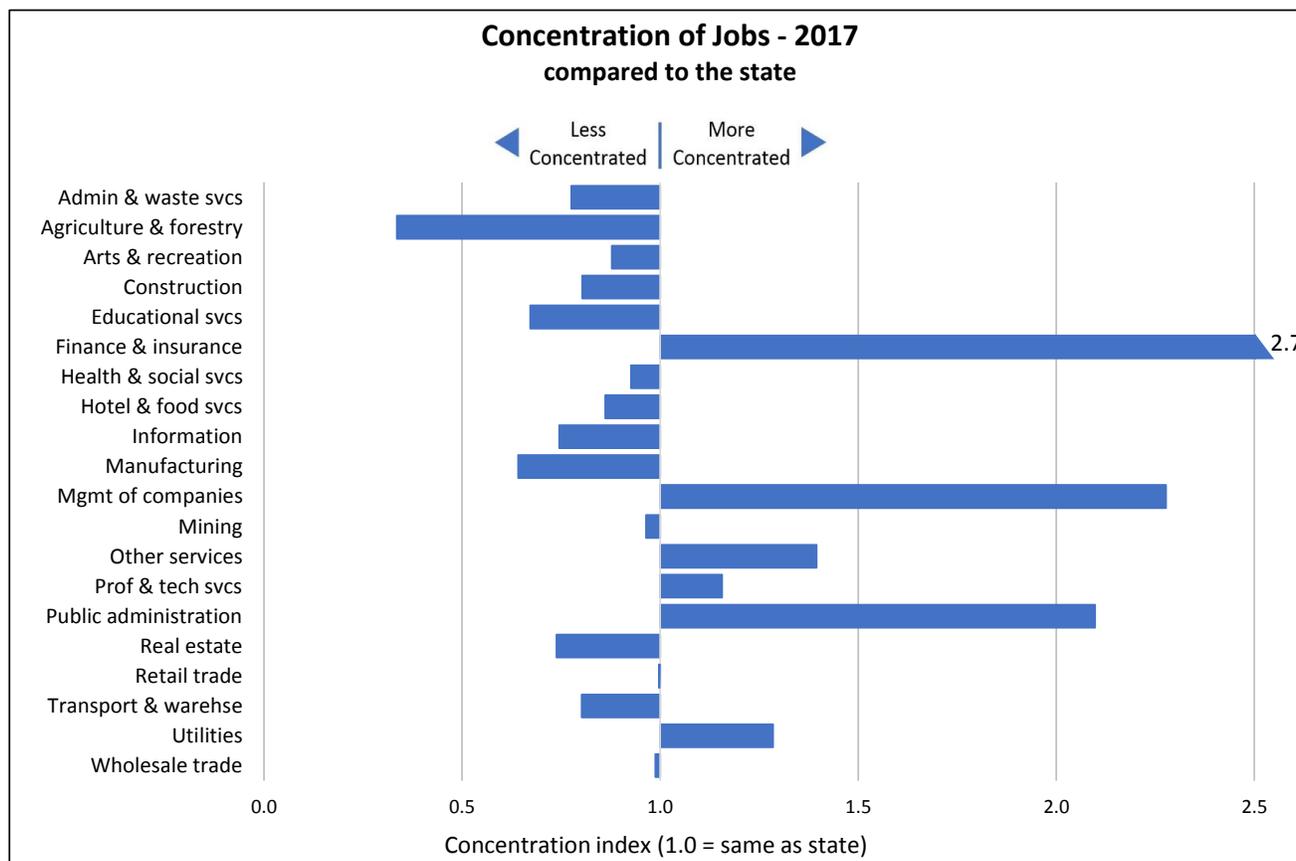
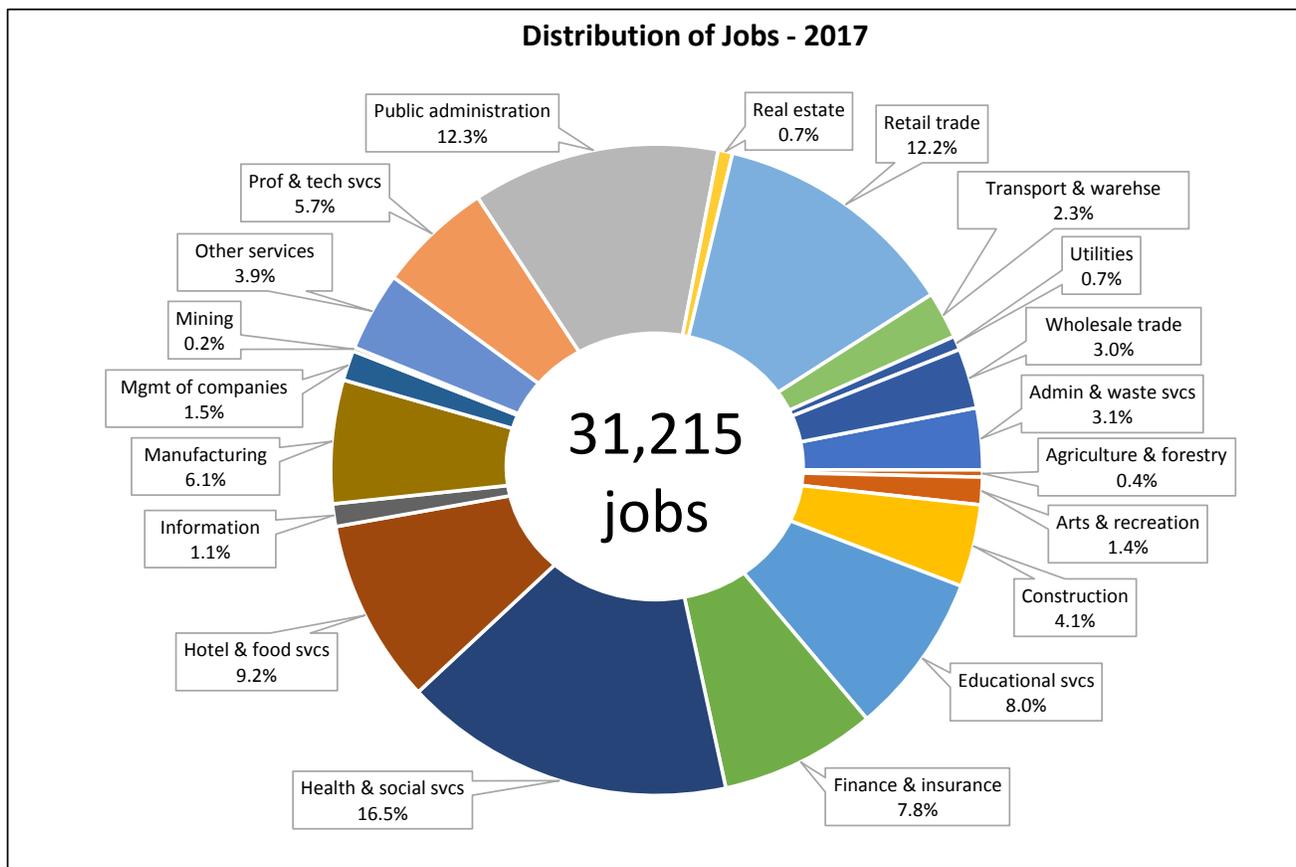
Vermont



Career and Technical Education Regions



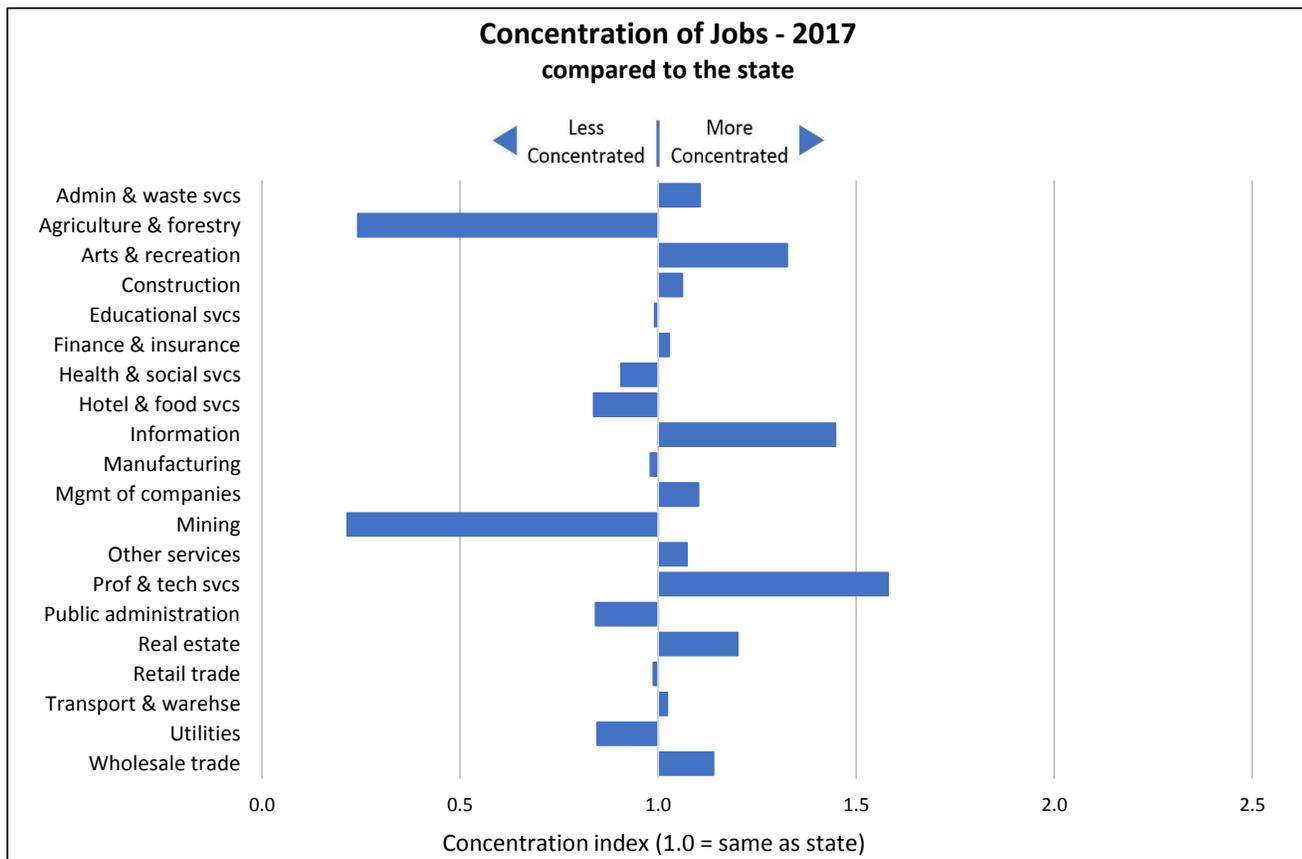
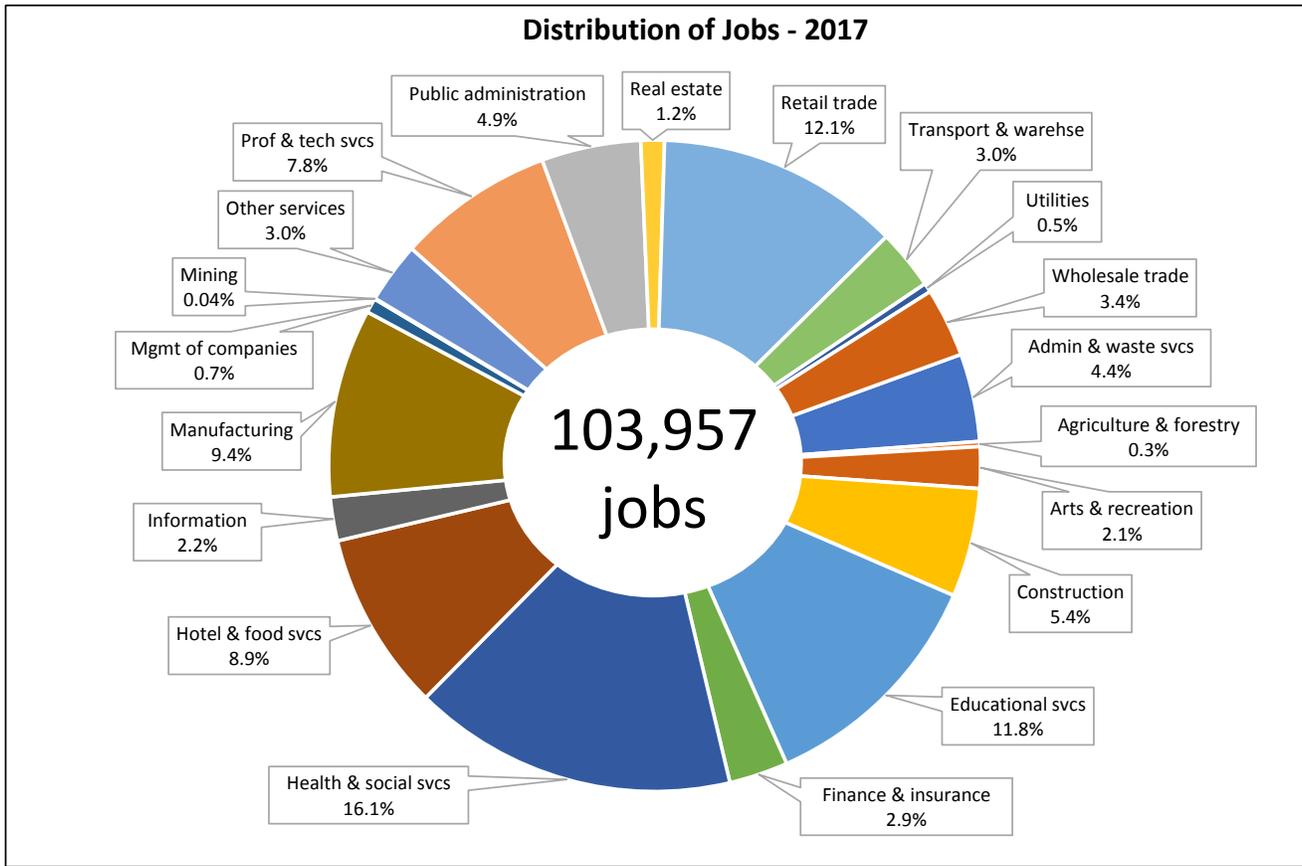
Central Vermont Career and Technical Education Region





Chittenden

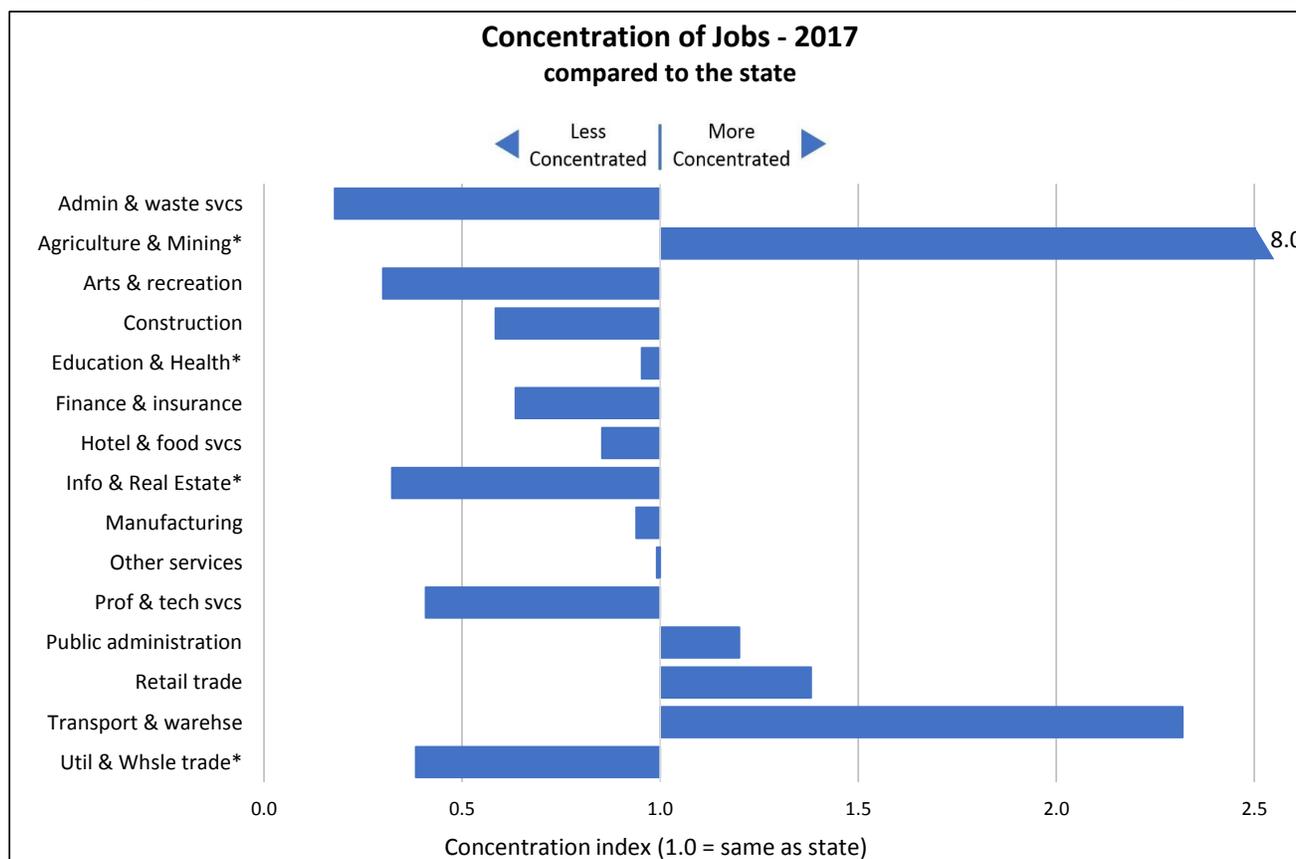
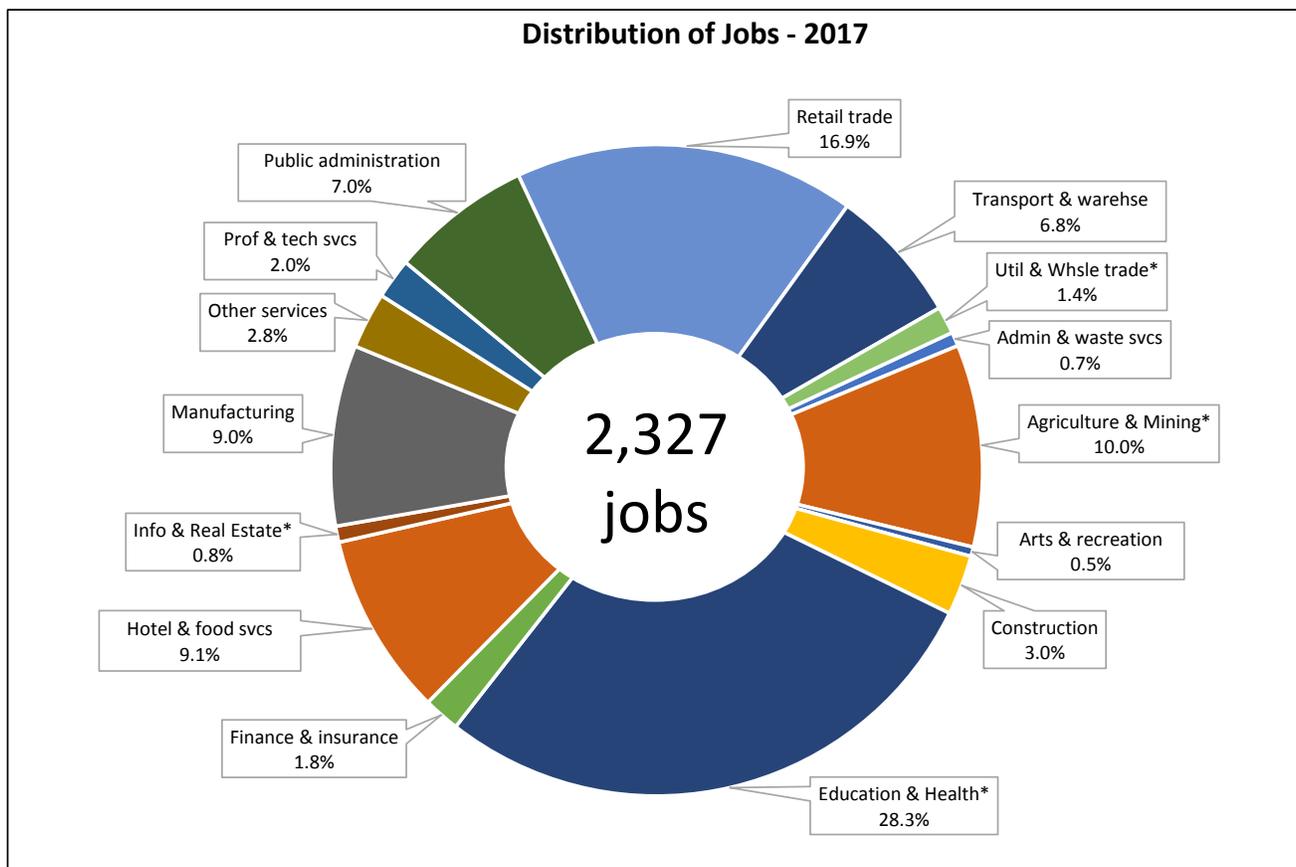
Career and Technical Education Region





Cold Hollow

Career and Technical Education Region

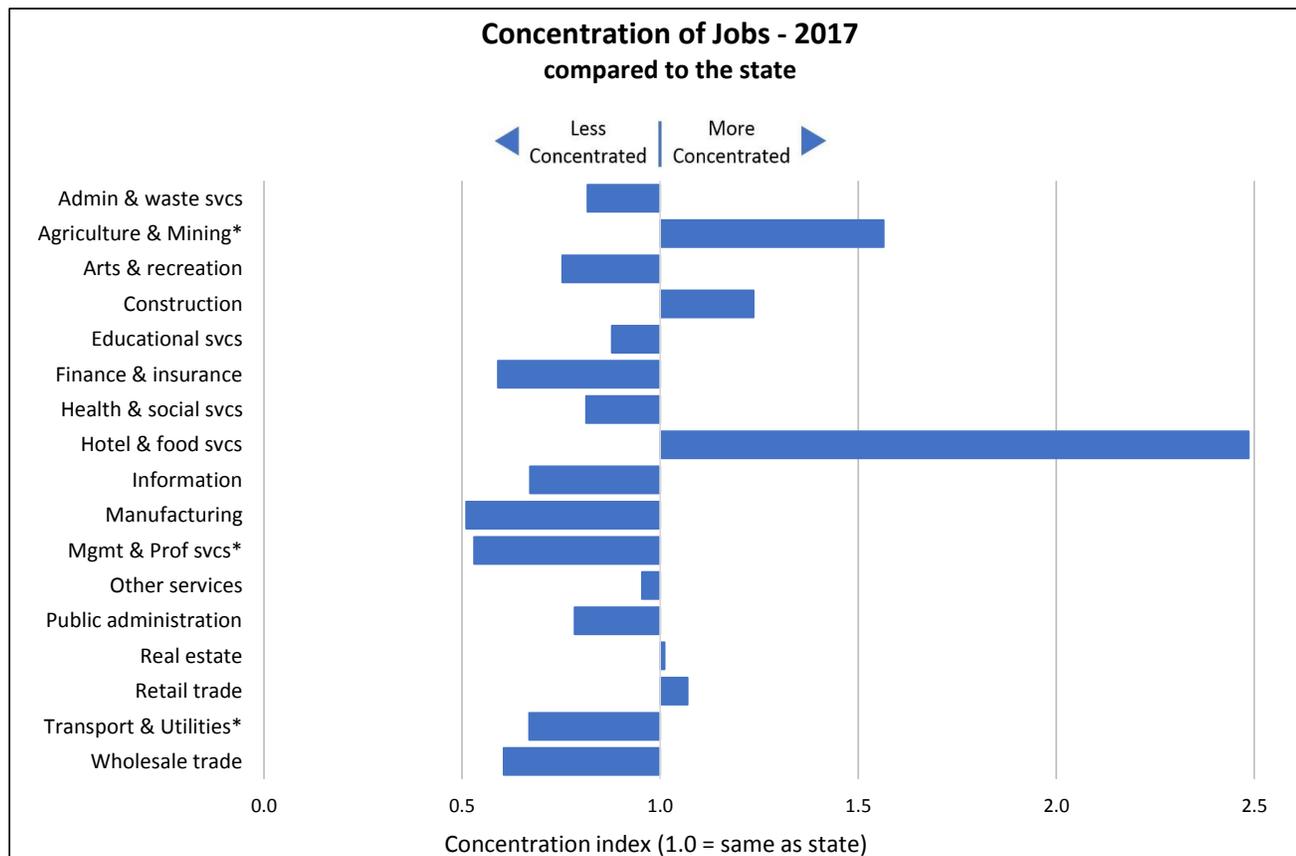
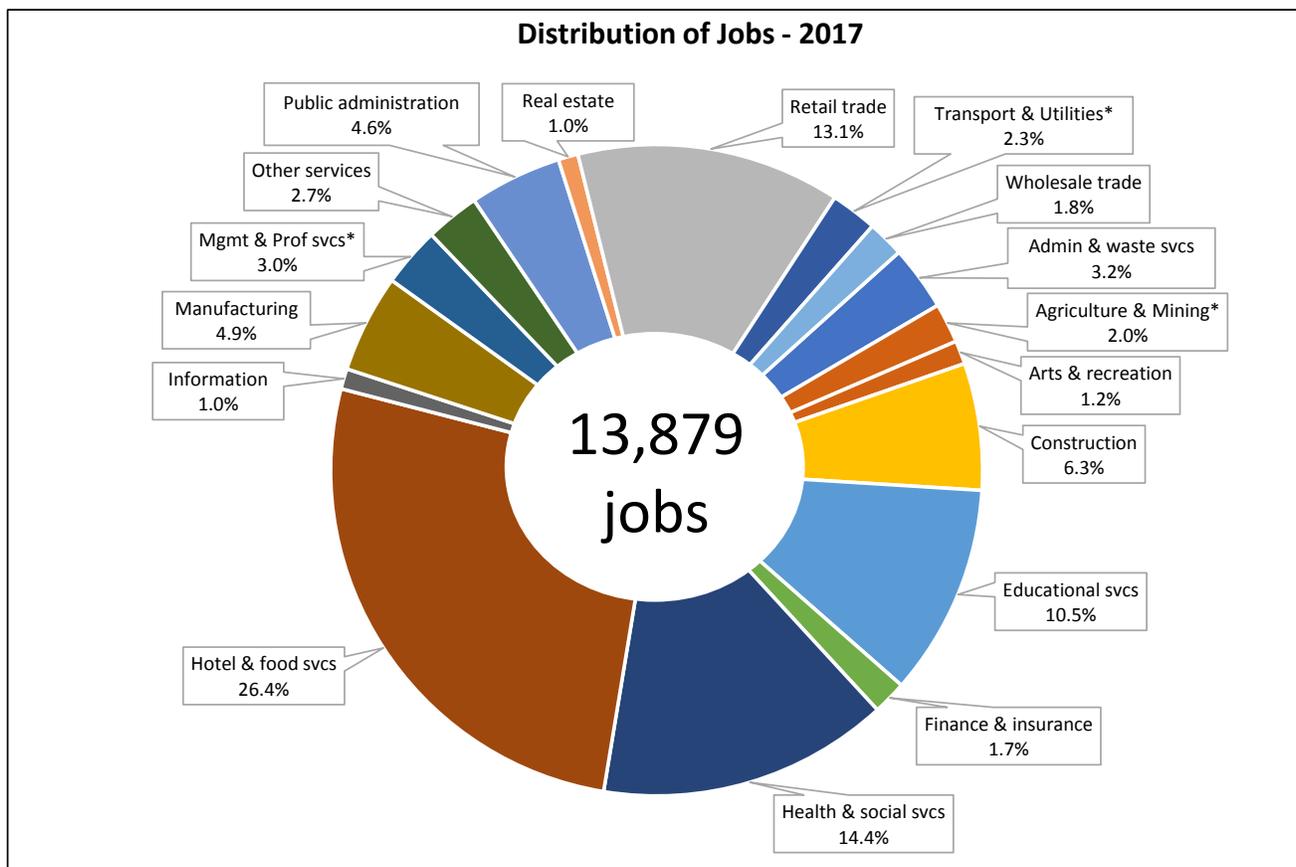


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Green Mountain

Career and Technical Education Region

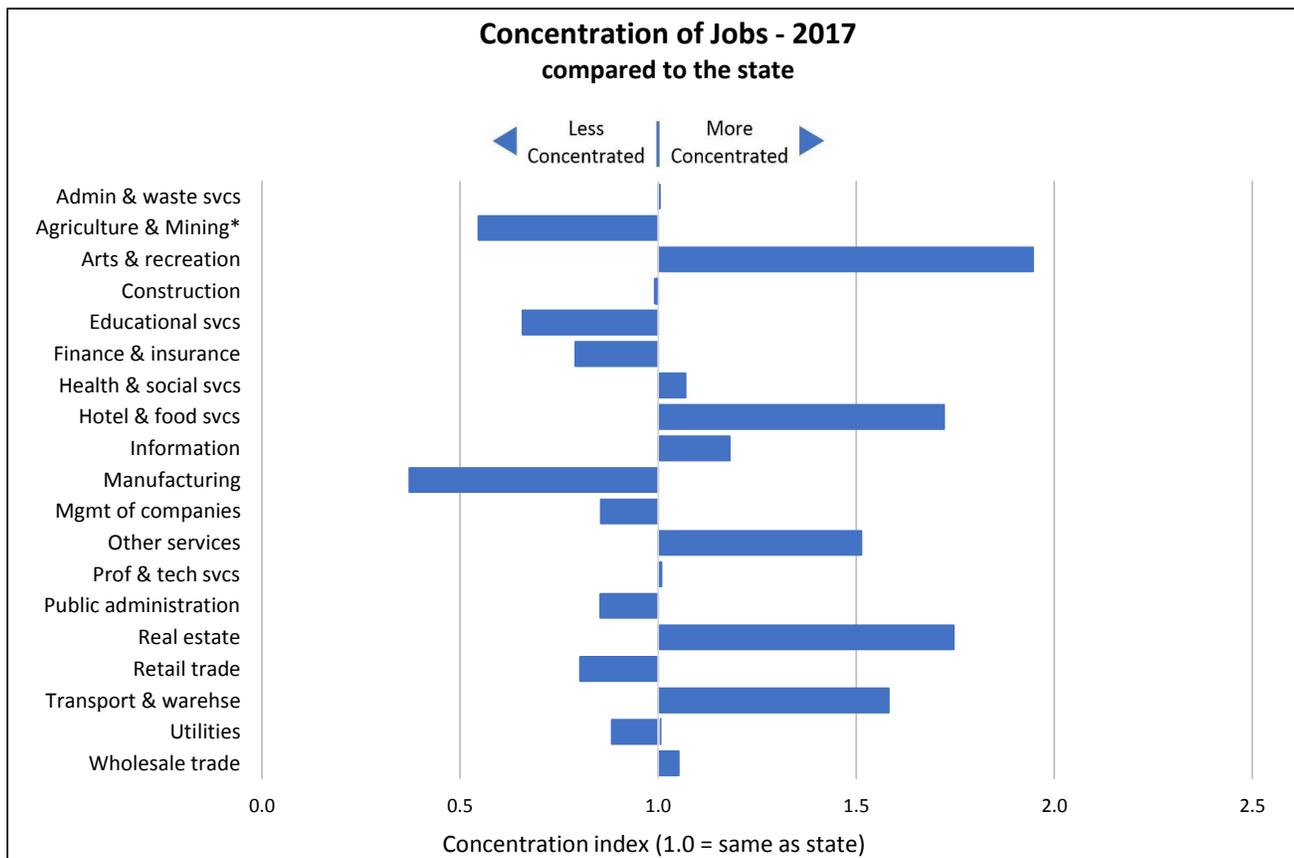
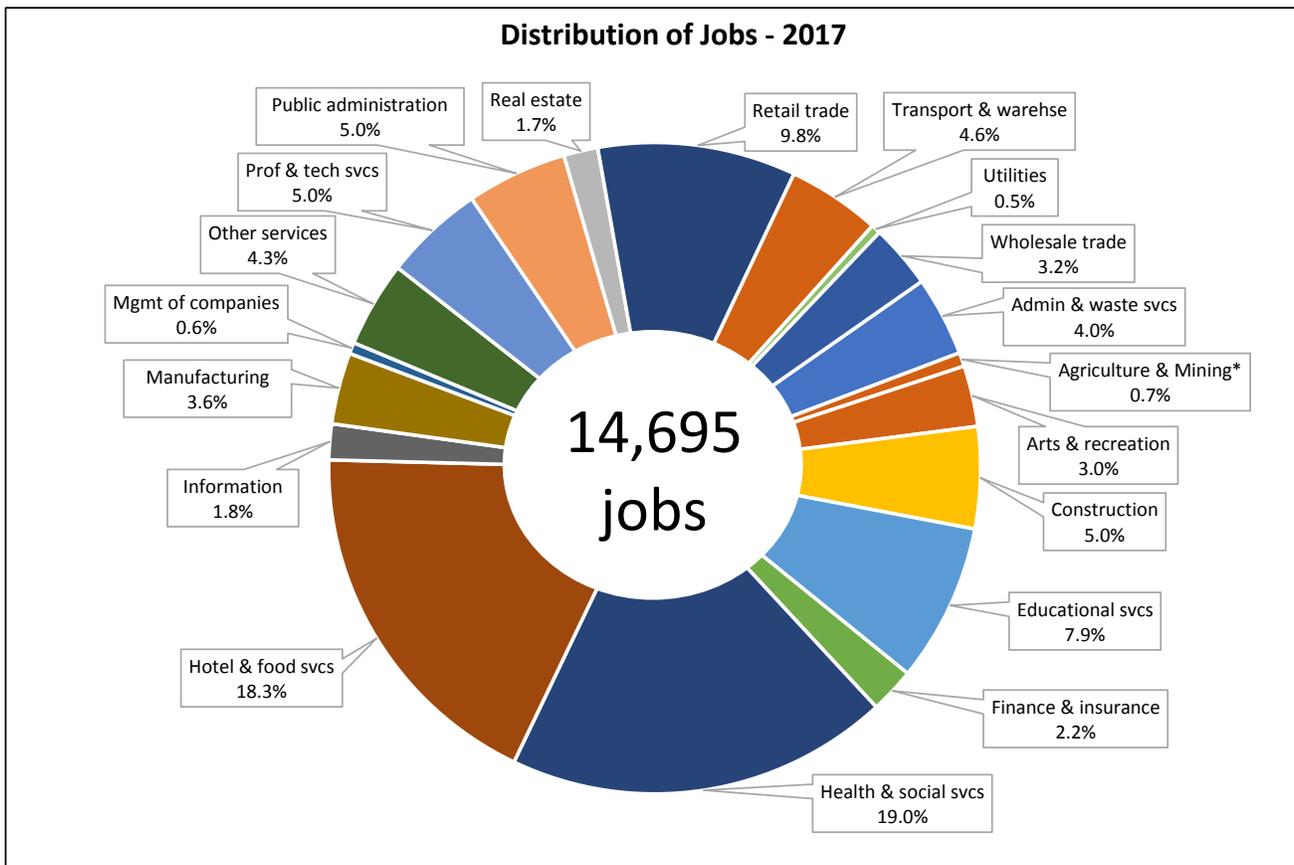


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Hartford

Career and Technical Education Region

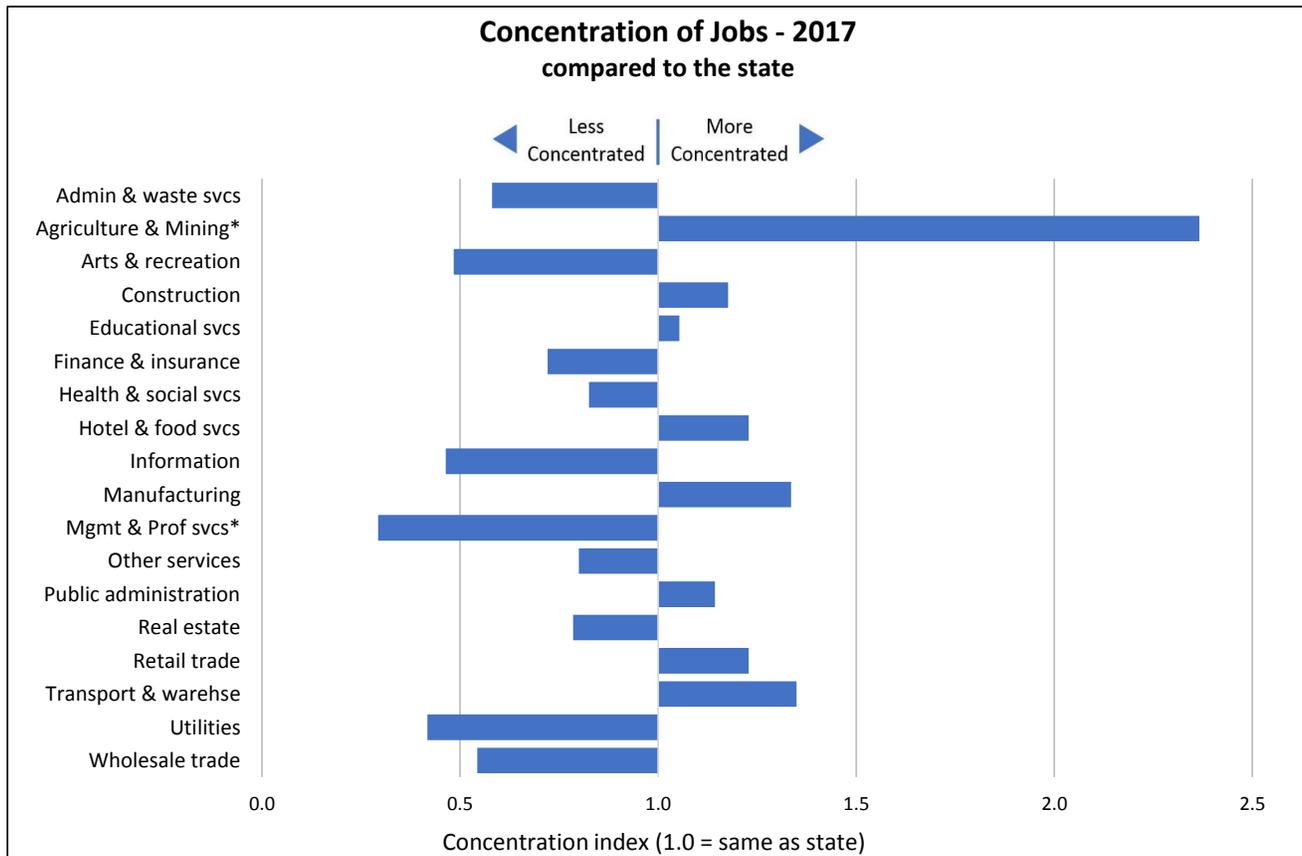
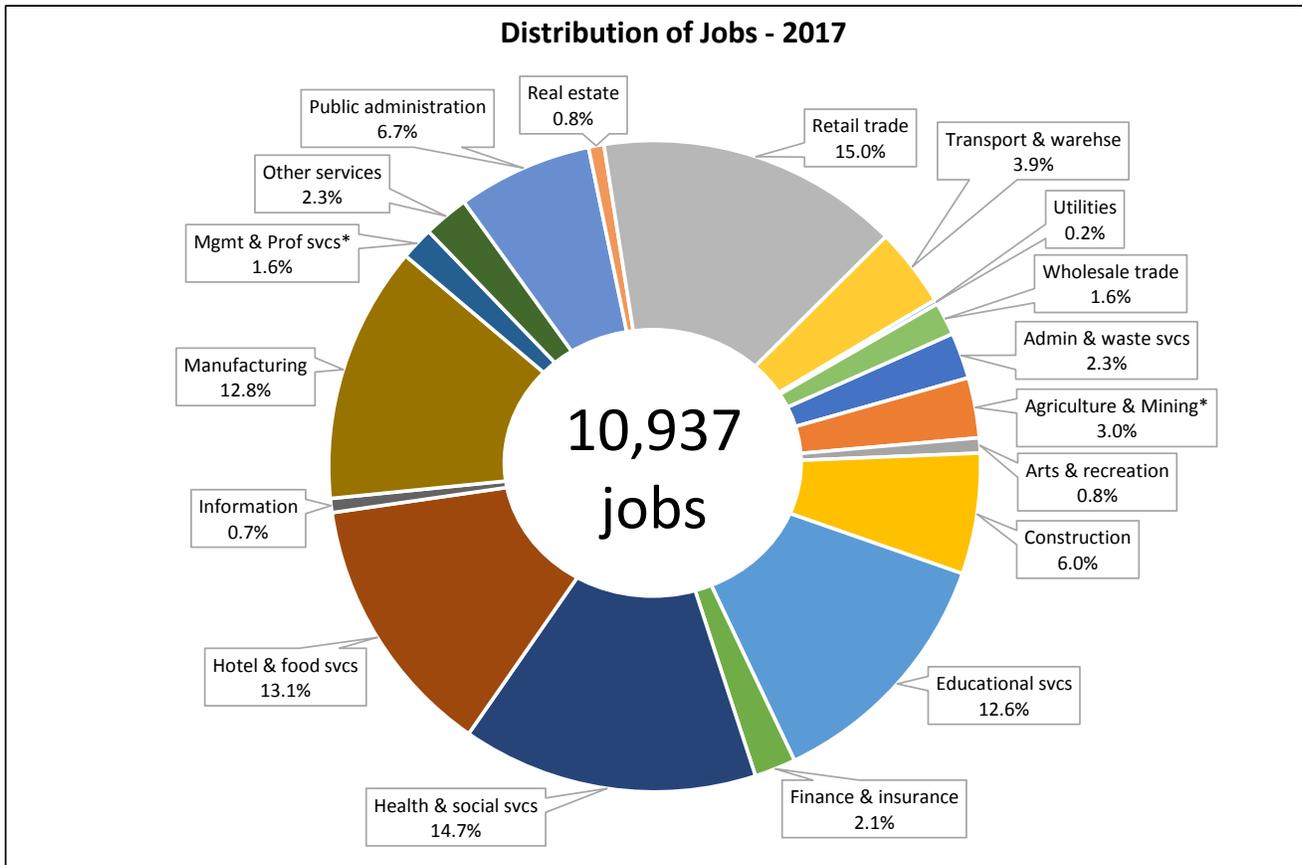


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North Country

Career and Technical Education Region

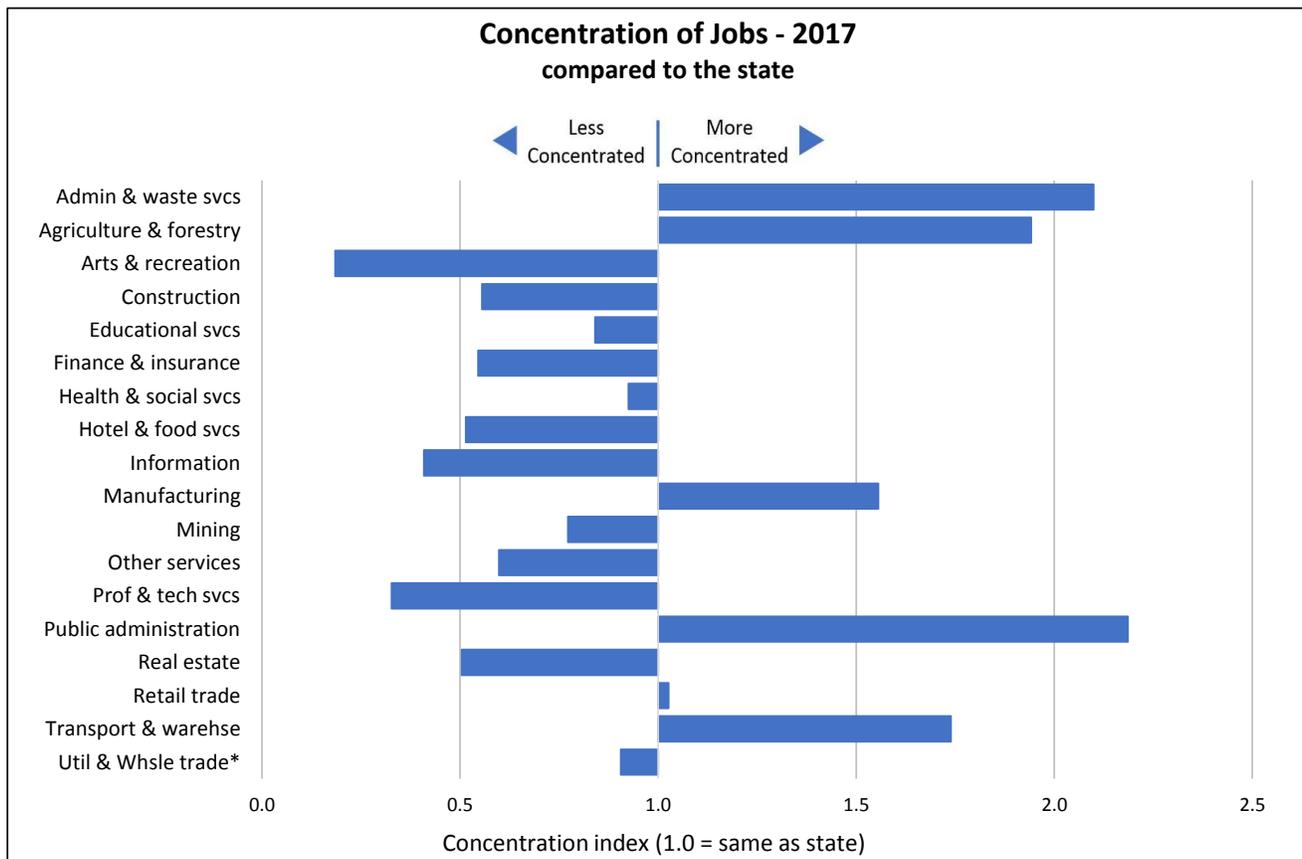
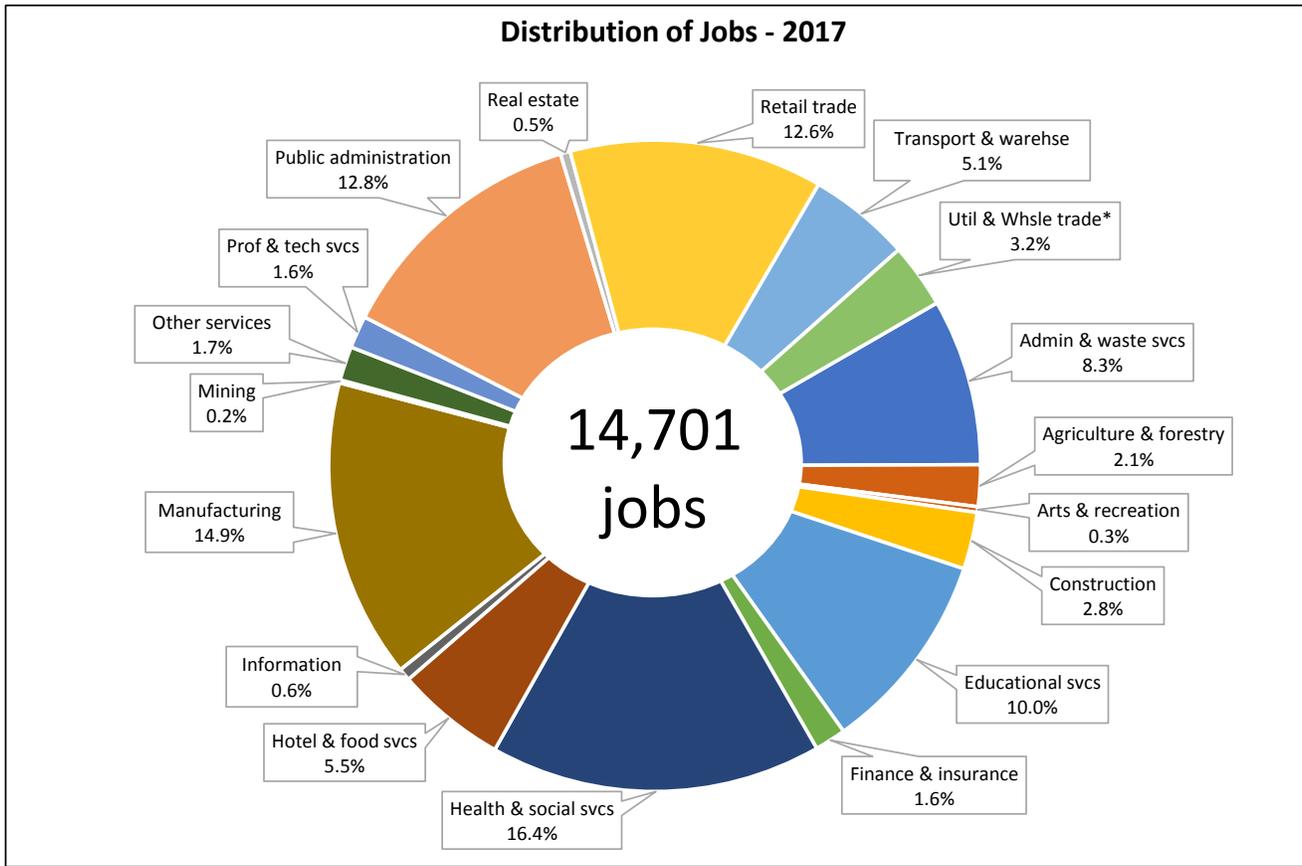


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Northwest Vermont

Career and Technical Education Region

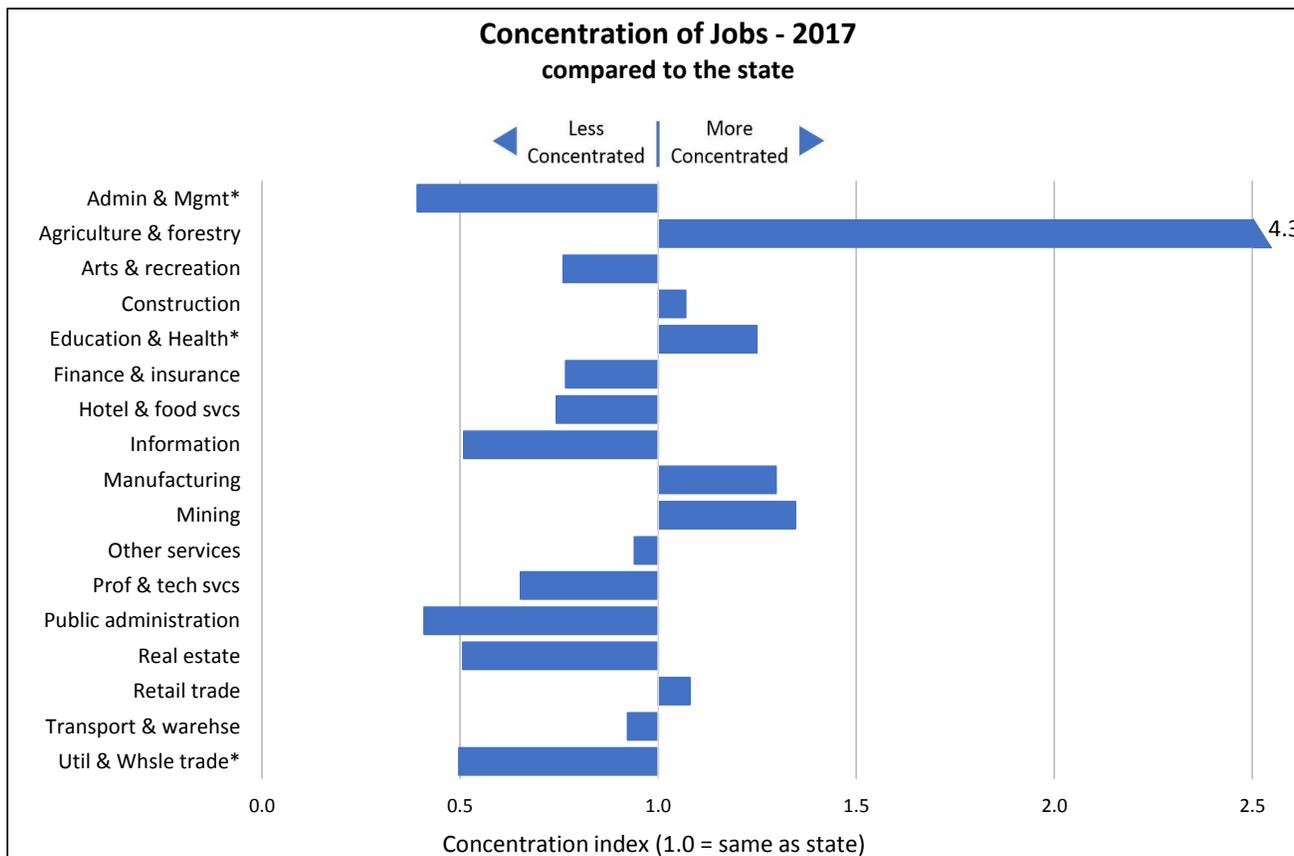
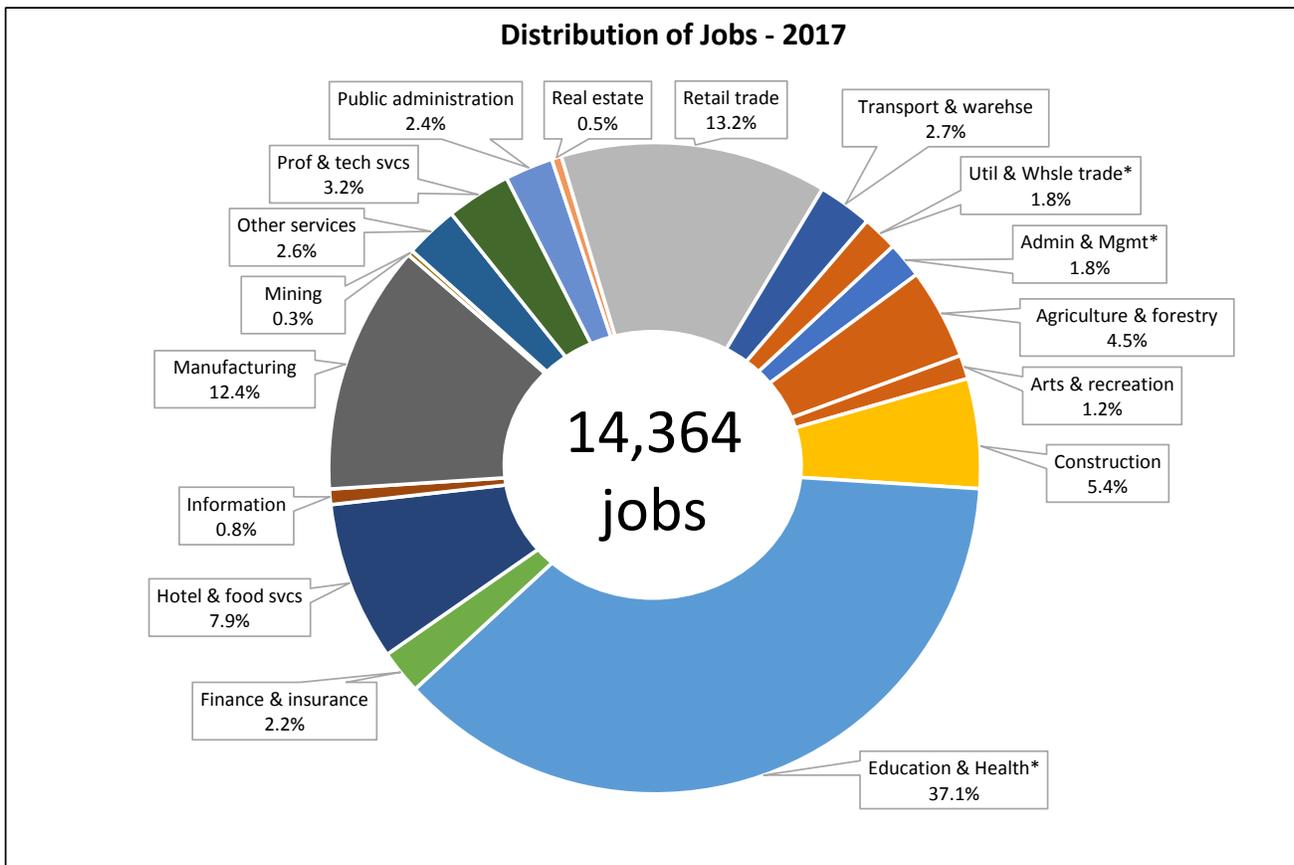


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Patricia A. Hannaford

Career and Technical Education Region

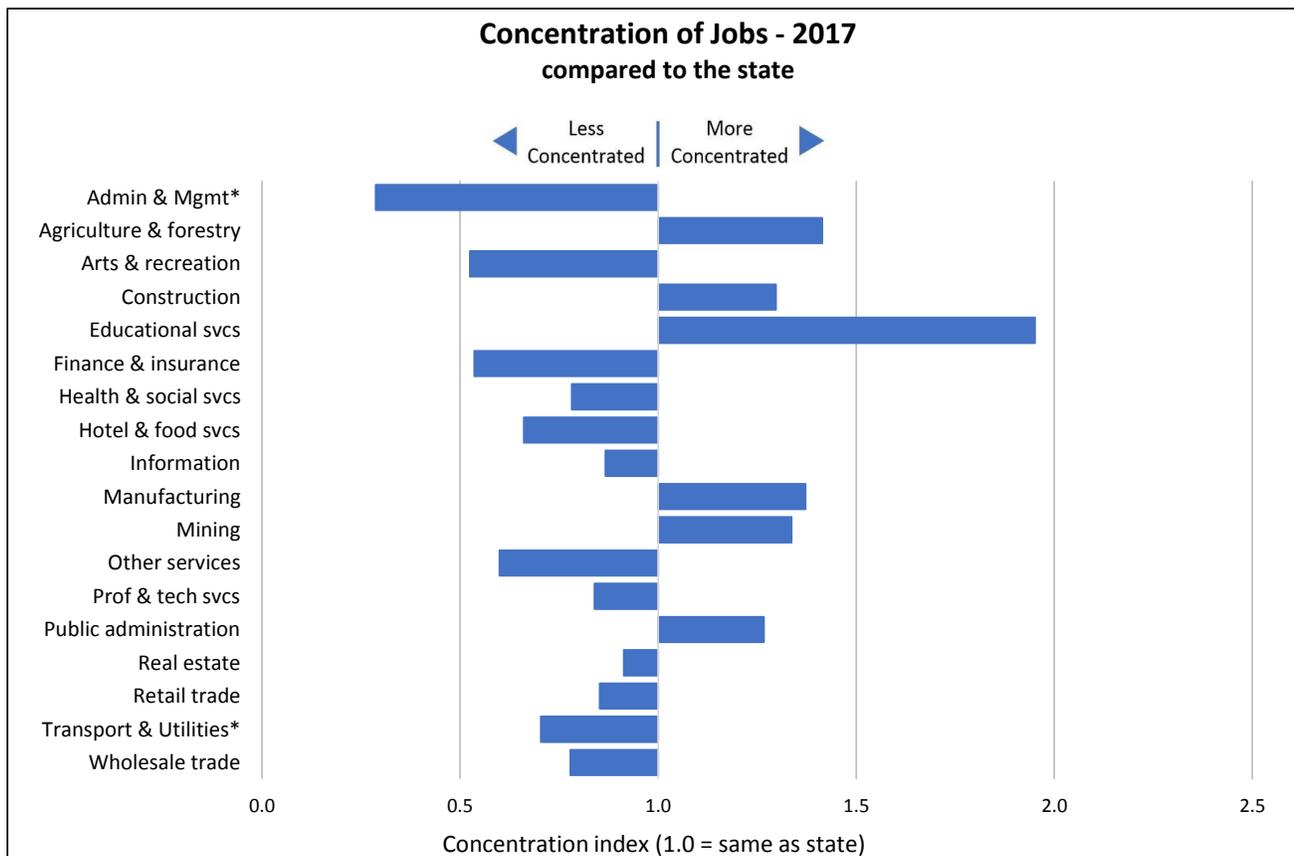
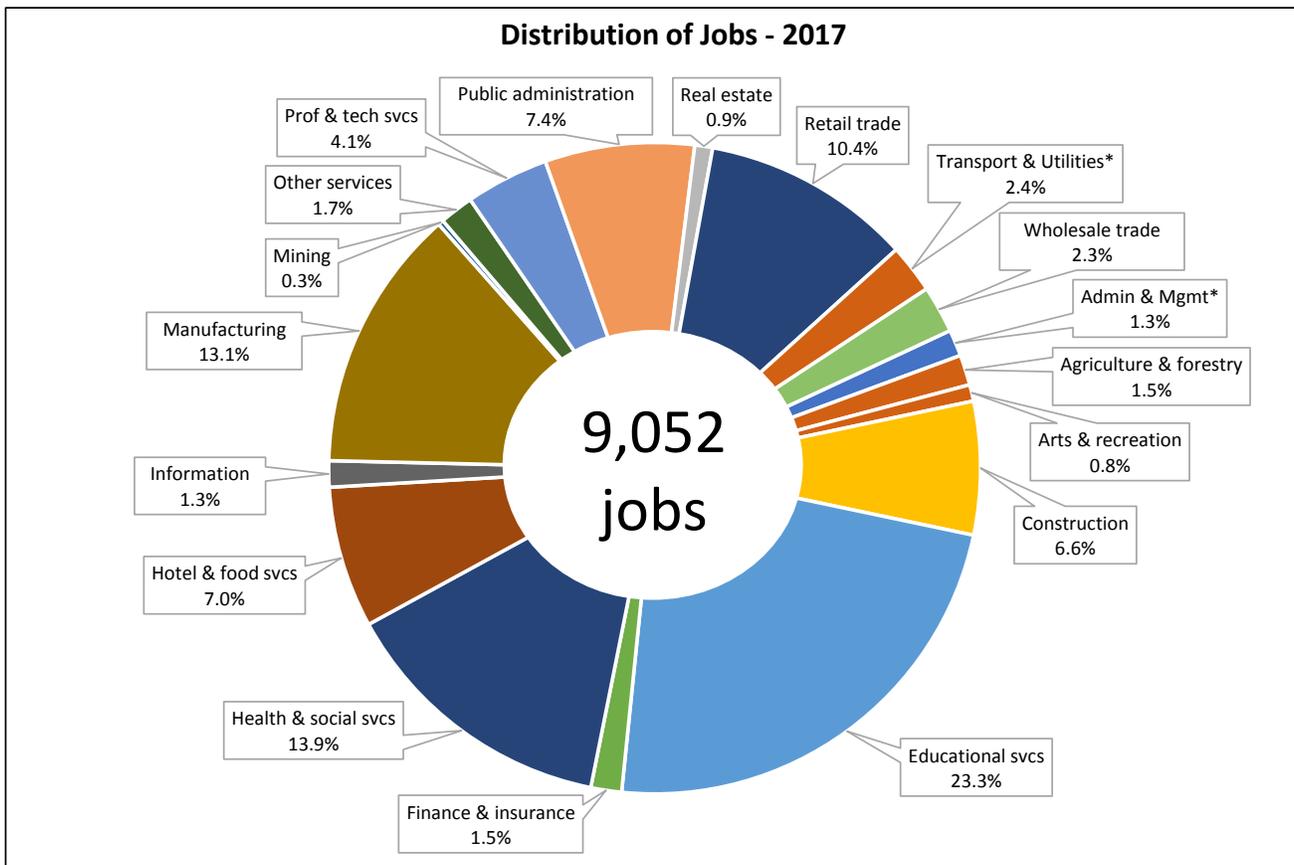


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Randolph

Career and Technical Education Region

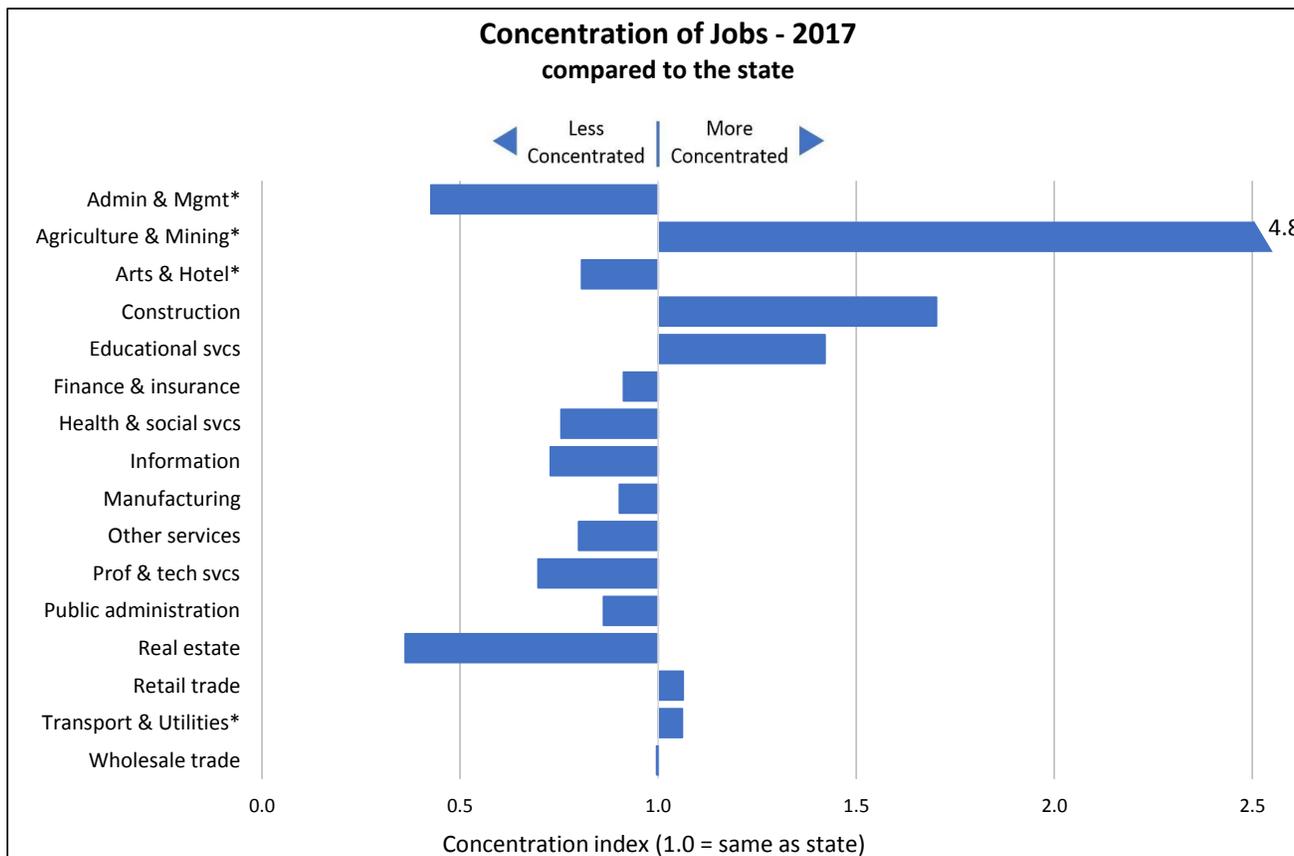
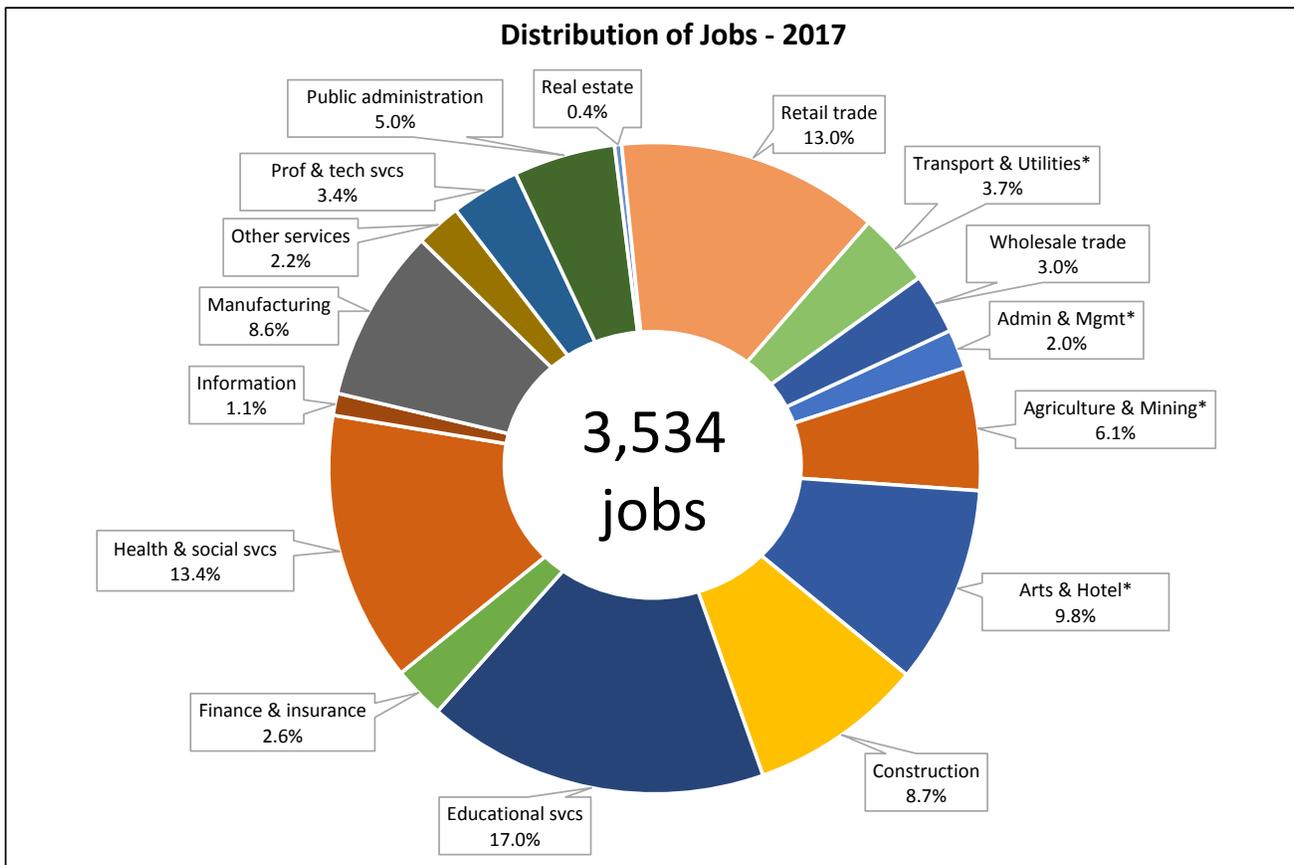


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River Bend

Career and Technical Education Region

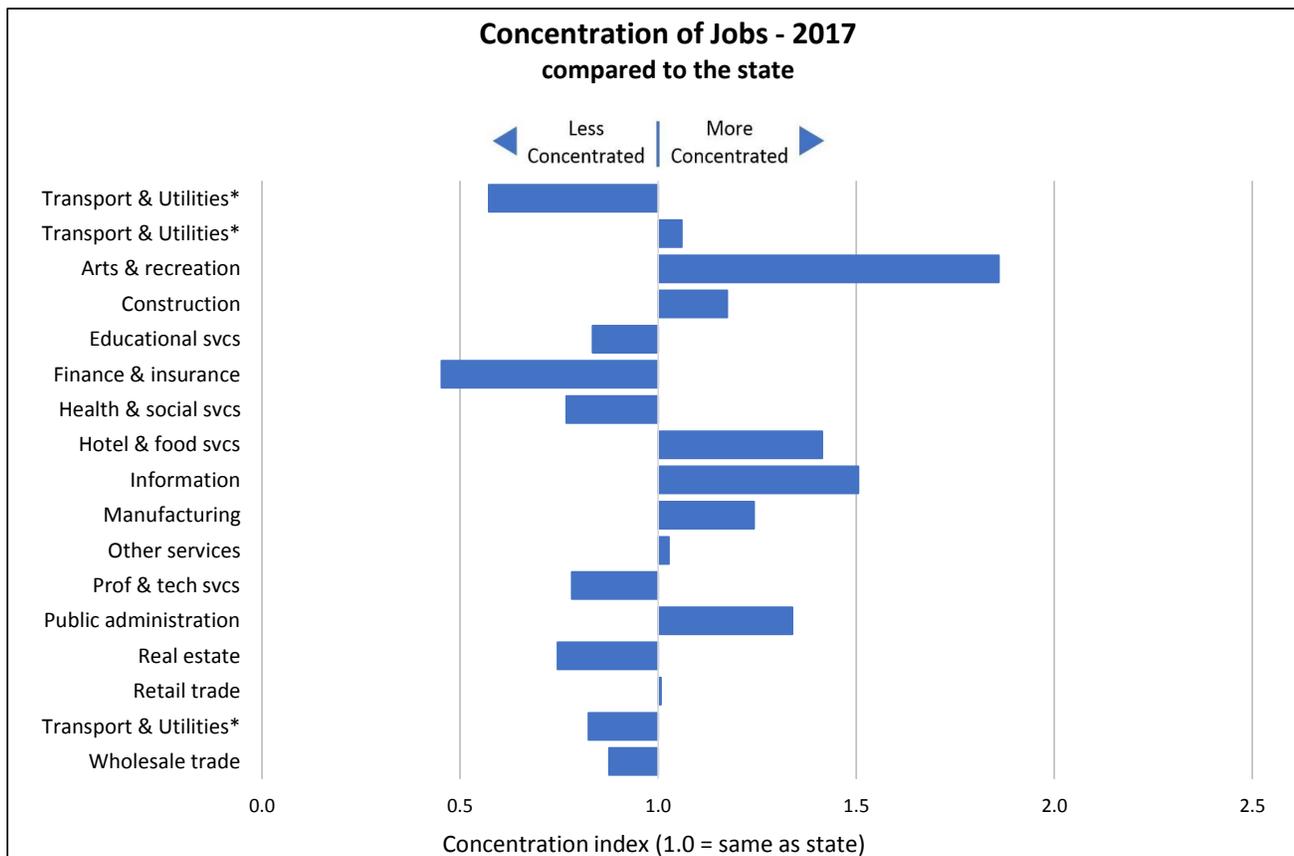
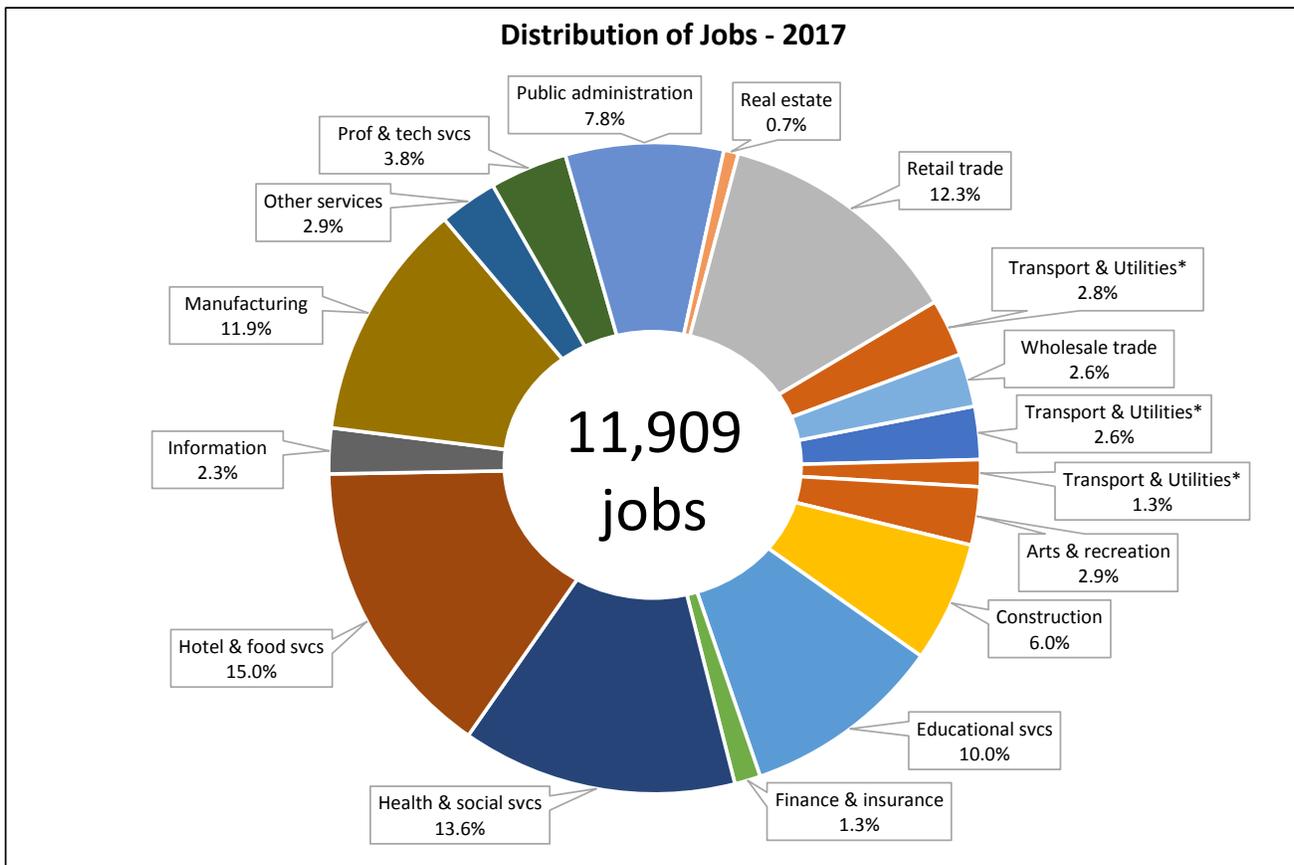


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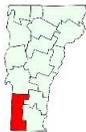


River Valley

Career and Technical Education Region

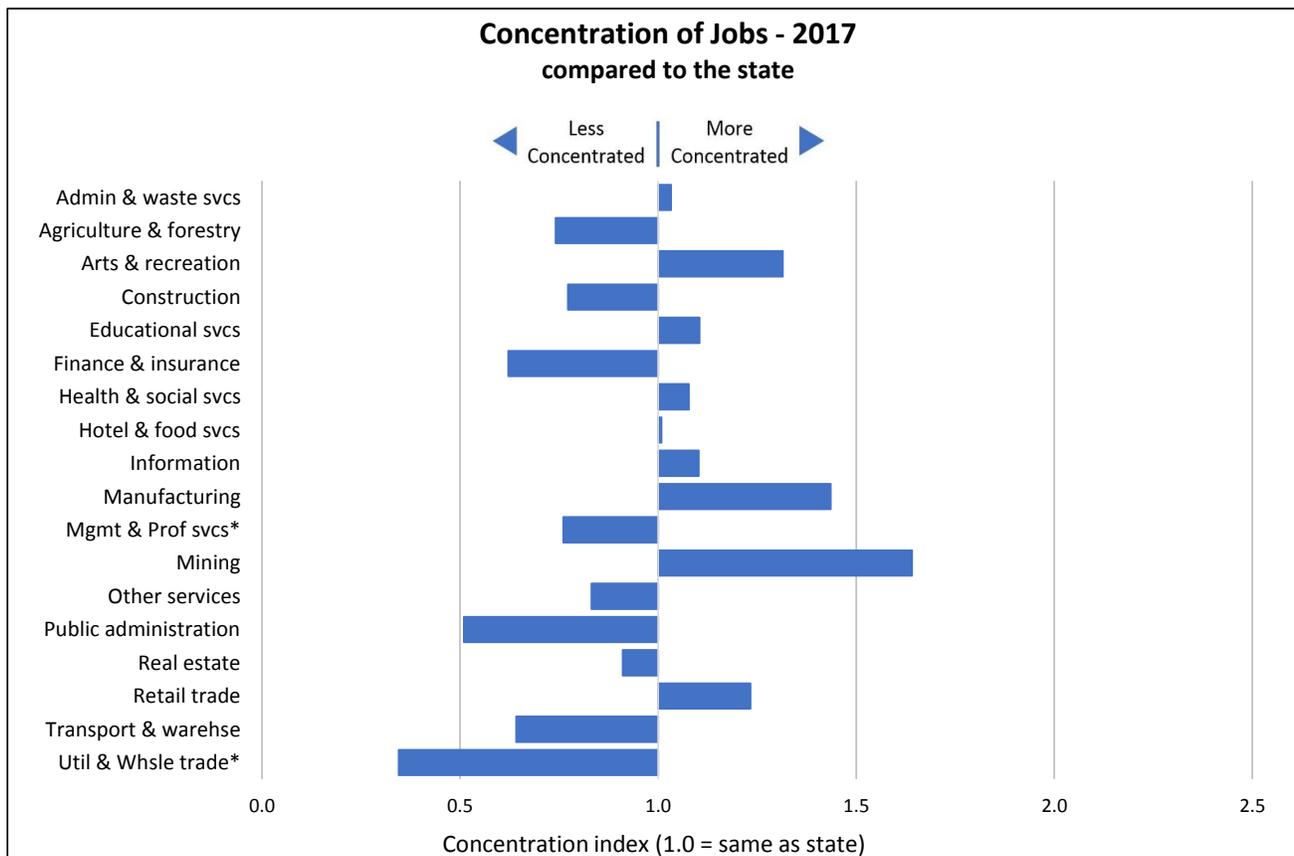
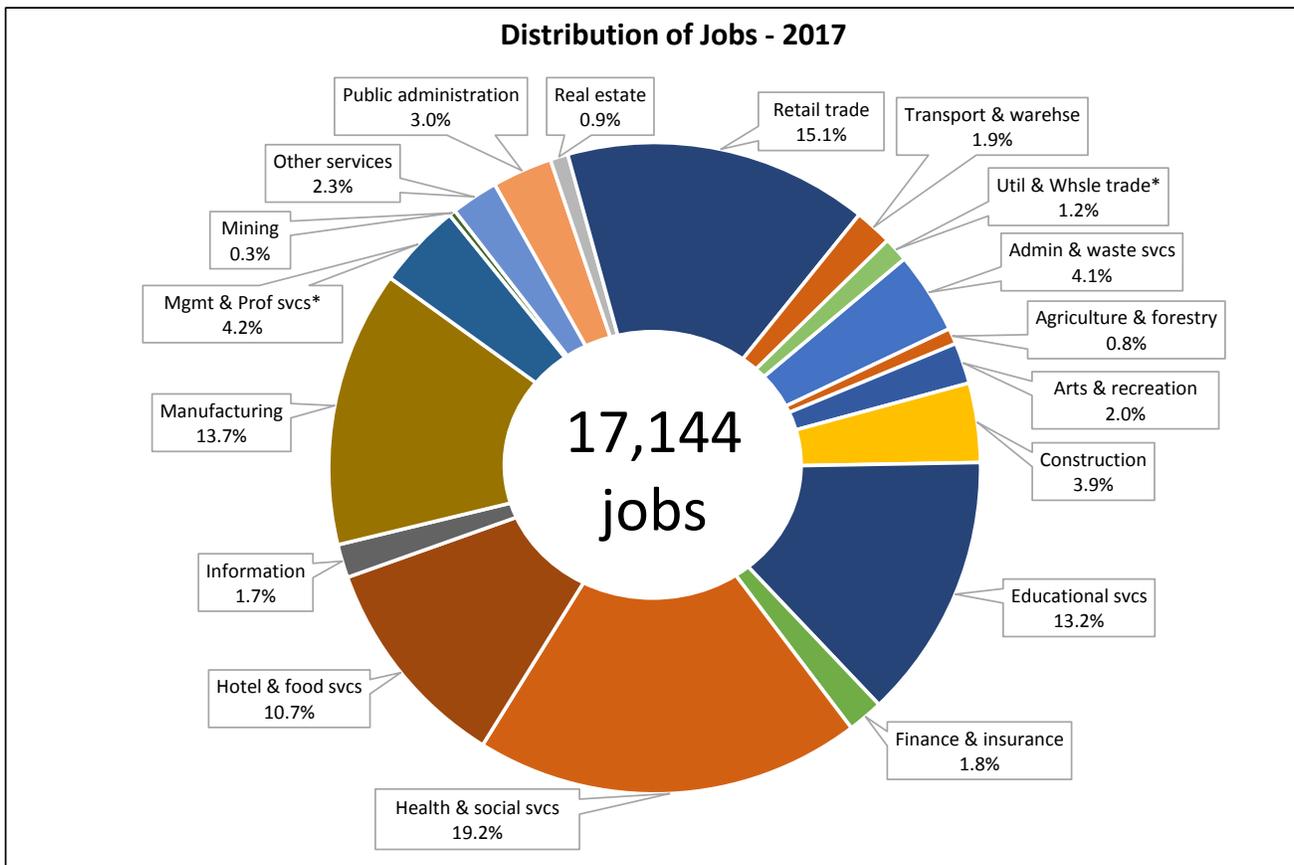


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Southwest Vermont

Career and Technical Education Region

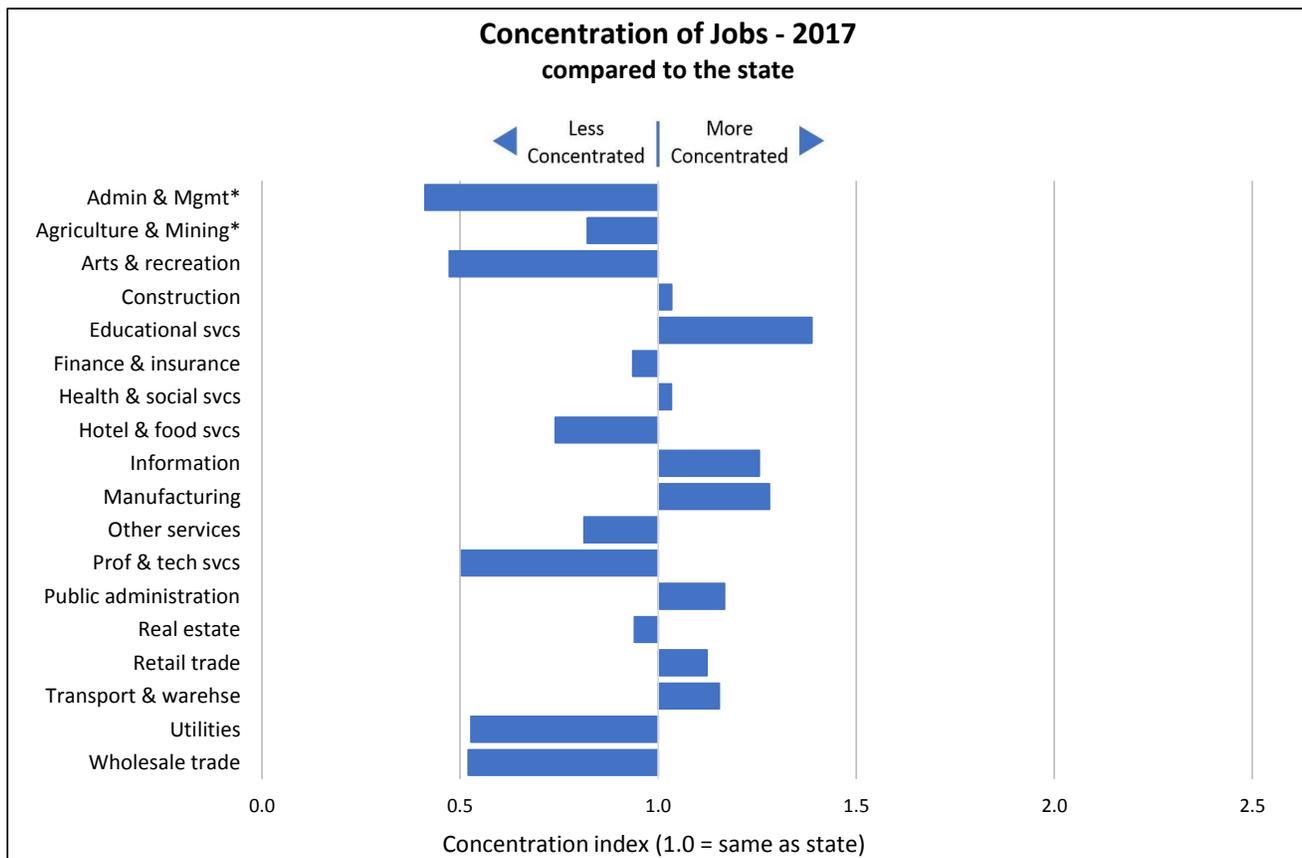
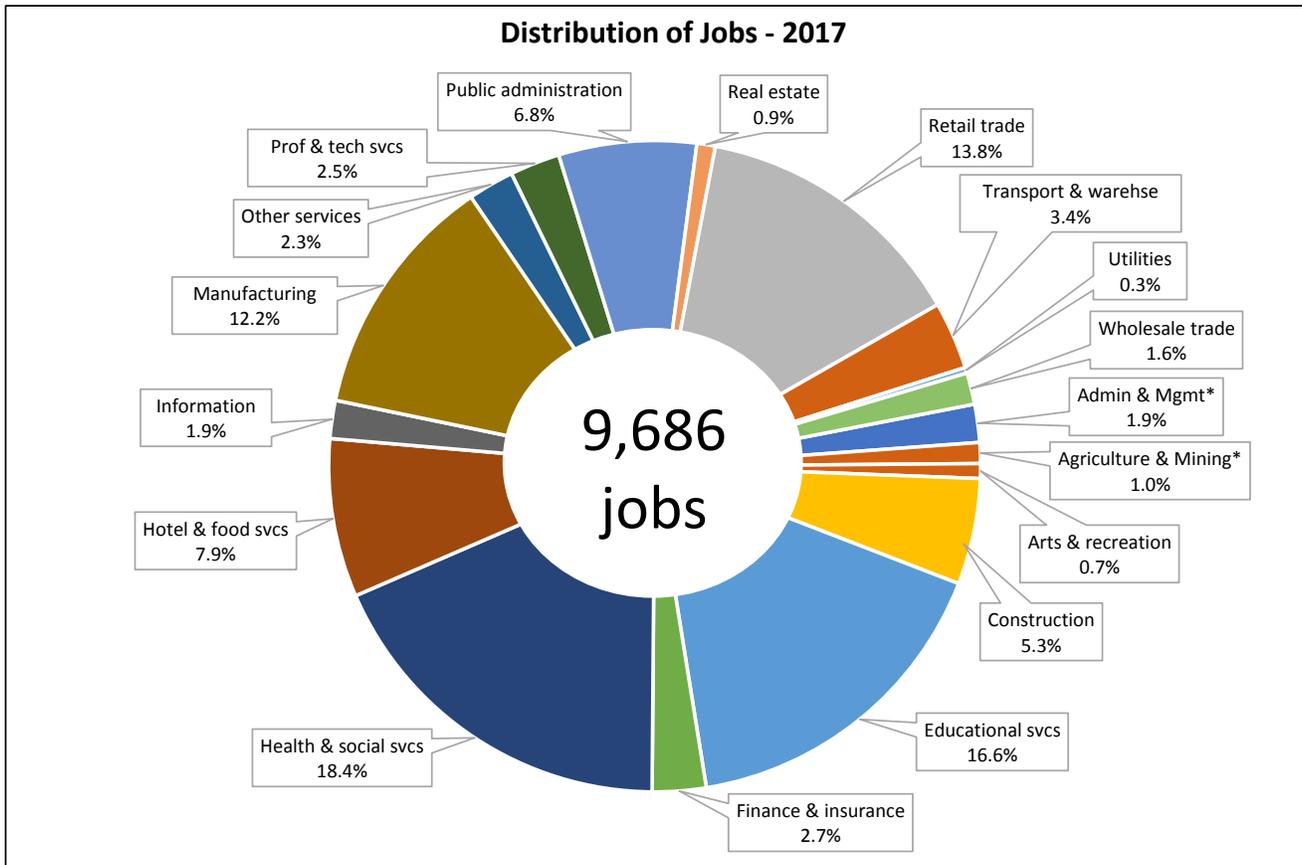


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St. Johnsbury

Career and Technical Education Region

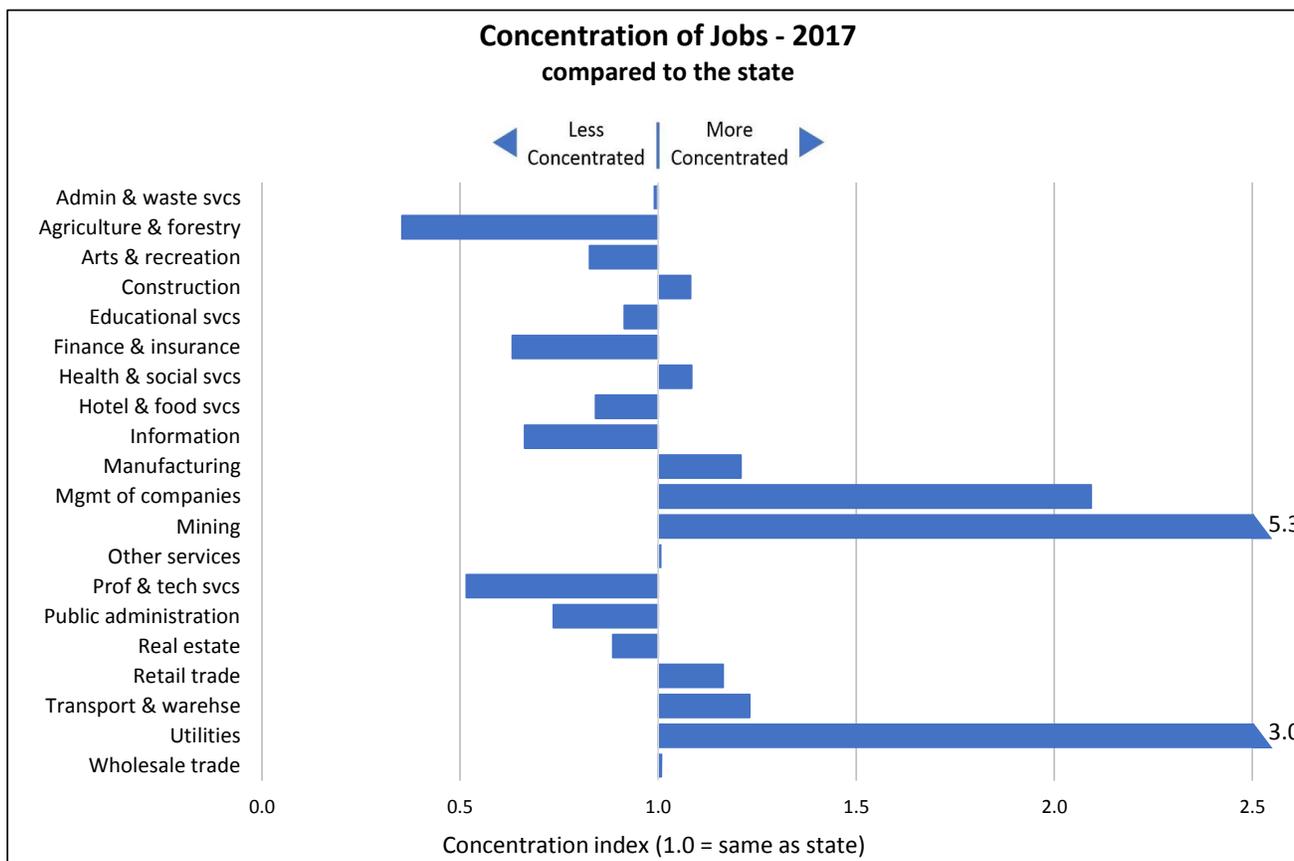
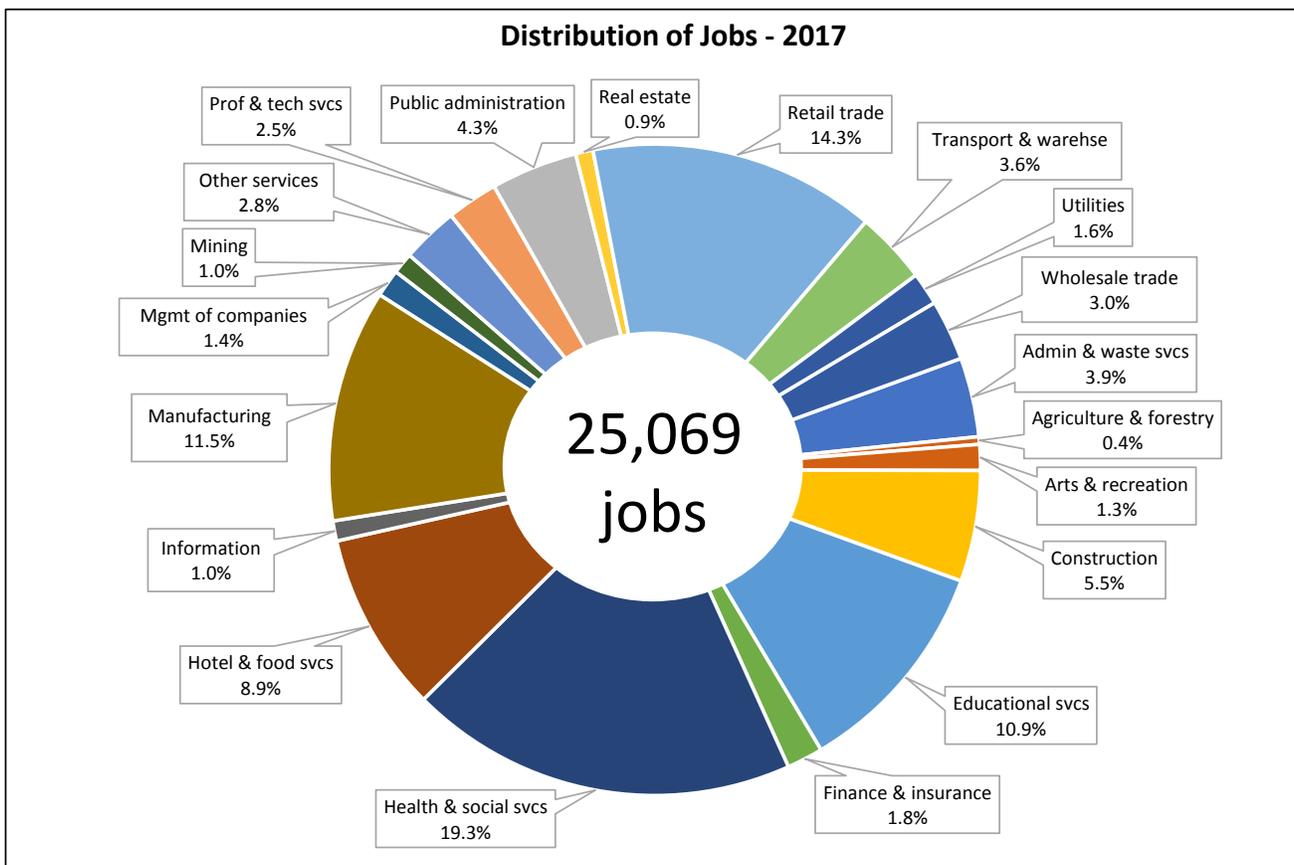


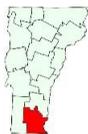
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Stafford

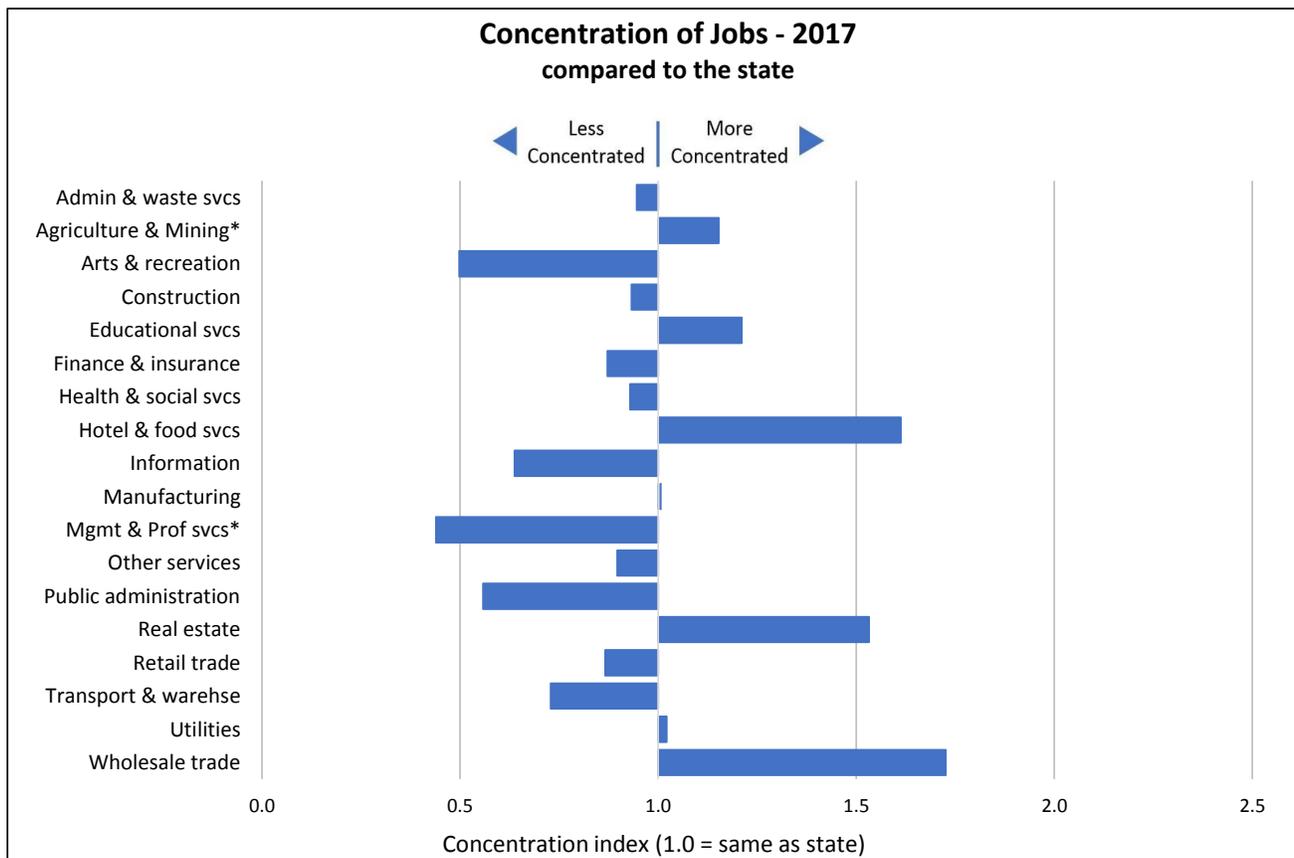
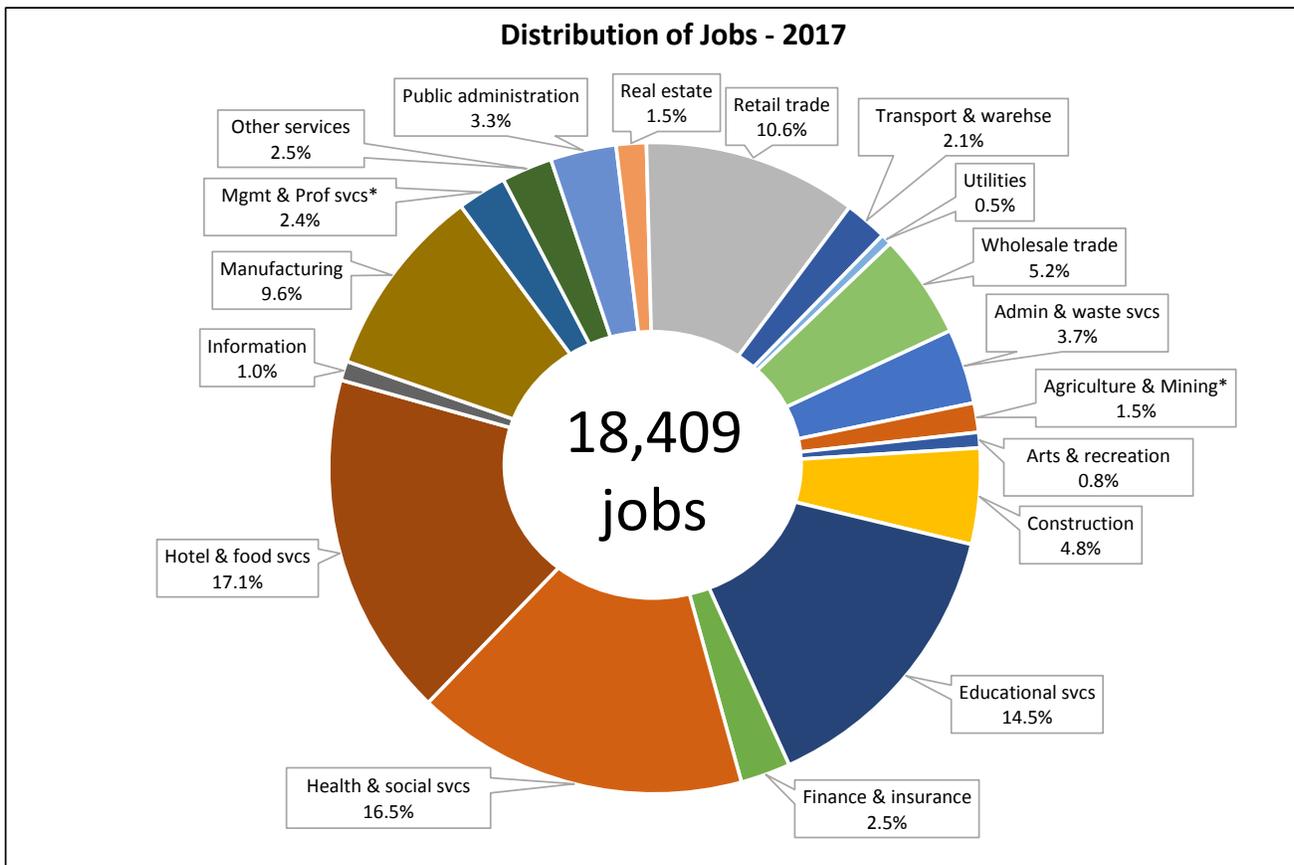
Career and Technical Education Region





Windham

Career and Technical Education Region



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Appendices

Appendix A. Data

Source

The source of data for this publication is the 2017 Quarterly Census of Employment and Wages (QCEW). QCEW is a Federal/State cooperative program between the U.S. Department of Labor, Bureau of Labor Statistics and the Vermont Department of Labor, Economic and Labor Market Information Division.

Jobs Included and Excluded

The QCEW program includes all jobs covered by the Vermont Unemployment Insurance Law and Unemployment Compensation for Federal Employees program. For 2017, this was about 90% of the labor force. Jobs not included are the unincorporated self-employed, proprietors, religious and railroad workers, unpaid family members, elected officials and most farmworkers.

Government Jobs Included

Job counts include jobs at private non-government employers and at federal, state, and local government agencies, including state hospital, state colleges, and local schools.

Combined Industries

Data is collected under a pledge of confidentiality. Reports must be summarized so as not to reveal individual employer information. For this reason, industries within a Career and Technical Education Region too small to be released separately are combined and published together. Combined industries are asterisked. Following are combined industry titles and the industries included in each.

Combined Title	Industries Included
Admin & Mgmt*	Administrative and waste services Management of companies and enterprises
Agriculture & Mining*	Agriculture, forestry, fishing and hunting Mining, Quarrying, and Oil and Gas Extraction
Arts & Hotel*	Arts, entertainment, and recreation Accommodation and food services
Education & Health*	Educational services Health care and social assistance
Info & Real Estate*	Information Real estate and rental and leasing
Mgmt & Prof svcs*	Management of companies and enterprises Professional and technical services
Transport & Util*	Transportation and warehousing Utilities
Util & Whsle trade*	Utilities Wholesale trade

Appendix B. Industry Descriptions

Businesses are classified into an industry based on the 2017 North American Industry Classification System (NAICS). Listed below are the industry titles used in this publication, the full title, if abbreviated, and the typical activities found in that industry.

Admin & waste svcs (Administrative and Waste Services)

Administrative and support activities for the day-to-day operations of other organizations, such as office administration, hiring, clerical, security, and cleaning. Waste collection, treatment and disposal services.

Agriculture & forestry (Agriculture, Forestry, Fishing and Hunting)

Growing crops, raising animals, harvesting timber, and harvesting fish and other animals on farms, ranches, dairies, greenhouses, nurseries, orchards, or hatcheries and agricultural support activities.

Arts & recreation (Arts, Entertainment, and Recreation)

Performing arts, spectator sports, museums, historical sites, zoos, parks, and amusement, gambling, or recreation establishments.

Construction

Construction of buildings, highways or utilities and specialty trade activities such as electrical, flooring, structural steel, masonry, roofing, plumbing, tile and painting.

Educational svcs (Educational Services)

Schools (K-12), colleges, universities, business and computer training, technical and trade schools and educational support services.

Finance & insurance (Finance and Insurance)

Banks, credit unions, brokerages, investment services, insurance carriers, funds, trusts, and other financial services.

Health & social svcs (Health Care and Social Assistance)

Physicians, dentists, medical labs, home health care agencies, hospitals, ambulance service, nursing homes, mental health facilities, child day care, senior centers, and family social service agencies.

Hotel & food svcs (Accommodation and Food Services)

Hotels, boarding houses, RV parks, restaurants, bars, caterers, mobile food trucks, cafeterias.

Information

Publishing, motion picture and sound recording, broadcasting, telecommunications, data processing, and information services.

Manufacturing

Transforms materials into new products such as canned food, baked goods, beverages, textiles, apparel, footwear, plywood, paper, printing, gasoline, paint, plastics, steel, hardware, computers, appliances, autos, and furniture.

Mgmt of companies (Management of Companies and Enterprises)

Offices that manage other establishments of the company, such as corporate, headquarter, and regional offices. Legal entities known as holding companies that own a controlling interest in companies.

Mining (Mining, Quarrying, and Oil and Gas Extraction)

Mining or quarrying dimension stone such as granite and marble, stone crushing plants, sand and gravel pits, and support activities for mining.

Other Services

Activities not elsewhere classified, such as repair and maintenance of equipment, personal and laundry services, membership associations and private households employing workers.

Prof & tech svcs (Professional and Technical Services)

Legal, accounting, engineering, computer, consulting, research, advertising, photographic, translation, and veterinary activities.

Public administration

Activities of Federal, state, and local government such as police, fire, courts, corrections, and immigration, and administration of public programs such as education, public health, environmental and economic.

Real estate (Real Estate and Rental and Leasing)

Selling, buying, renting, or leasing real estate. Renting or leasing automobiles, consumer goods and industrial machinery. Assigning rights to assets such as patents and franchise agreements.

Retail trade

Selling goods to the general public, through store and non-store outlets, such as autos, furniture, electronics, appliances, building supplies, food, personal care, gasoline, clothing, music, and books.

Transport & warehse (Transportation and Warehousing)

Airlines, railroads, ferries, trucking, buses, pipelines, sightseeing tours, dinner cruises, tramways, postal and courier services, warehousing and storage.

Utilities

Activities involving electric power, natural gas, steam supply, water supply and treatment.

Wholesale trade

Selling goods to other businesses as an intermediate step in the distribution of merchandise, normally operating from a warehouse or office, such as equipment, metal, chemicals, and petroleum products.

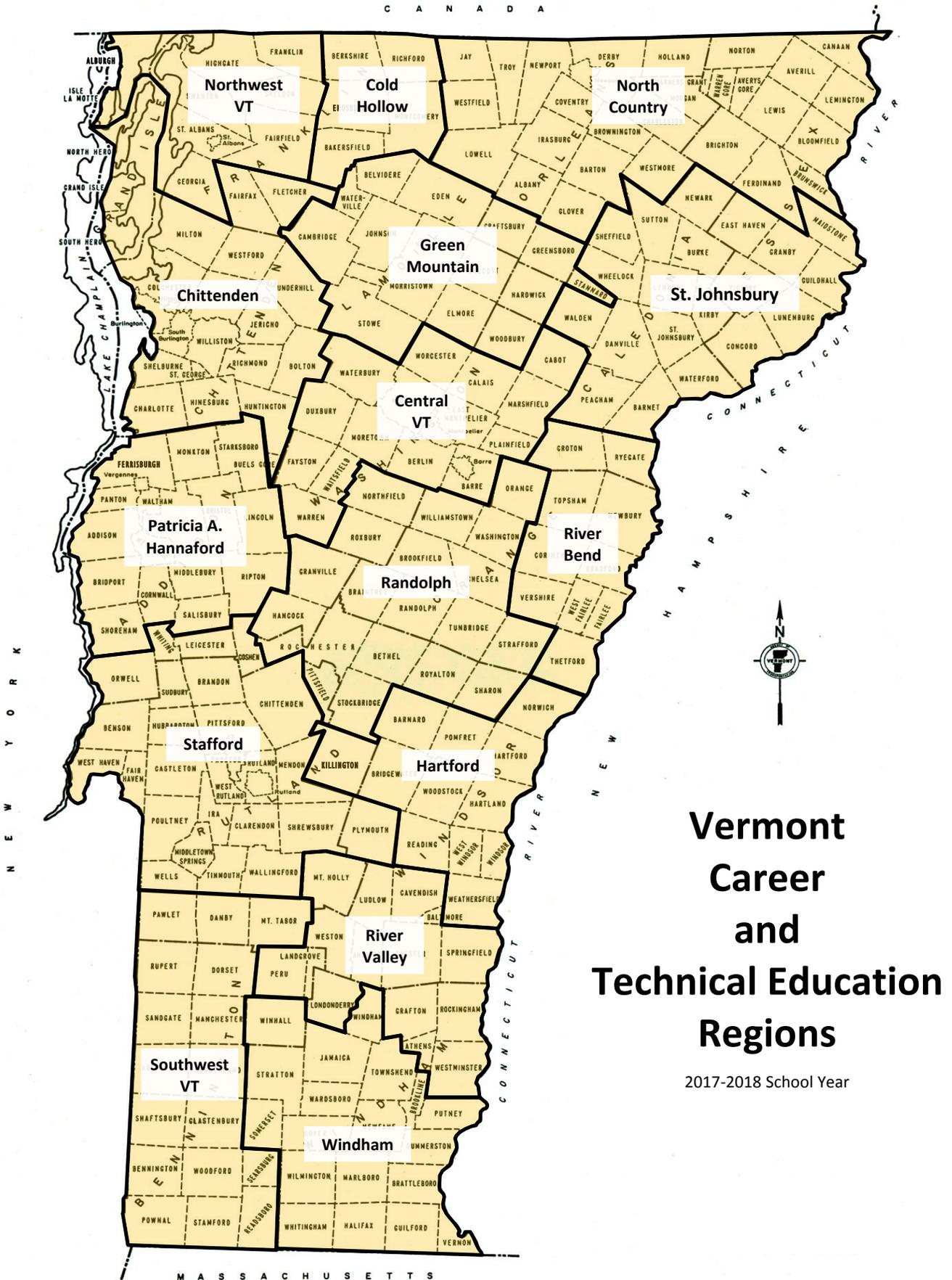
Appendix C

Career and Technical Education Regions

Map

CTE Towns

Town Index



Vermont Career and Technical Education Regions

2017-2018 School Year

Vermont 2017-2018 Career and Technical Education Regions

Central Vermont Career Center Region	Barre city	Cold Hollow Career Center Region	Bakersfield	North Country Career Center Region	Albany	Patricia A. Hannaford Career Center Region	Addison	
	Barre town		Berkshire		Averill		Bridport	
	Berlin		Enosburgh		Avery's gore		Bristol	
	Cabot		Montgomery		Barton		Cornwall	
	Calais		Richford		Bloomfield		Ferrisburgh	
	Duxbury	Green Mountain Technology and Career Center Region	Belvidere		Brighton		Lincoln	
	East Montpelier		Cambridge		Brownington		Middlebury	
	Fayston		Craftsbury		Brunswick		Monkton	
	Marshfield		Eden		Canaan		New Haven	
	Middlesex		Elmore		Charleston		Panton	
	Montpelier city		Greensboro		Coventry		Ripton	
	Moretown		Hardwick		Derby		Salisbury	
	Plainfield		Hyde Park		Ferdinand		Shoreham	
	Waitsfield		Johnson		Glover		Starksboro	
	Warren		Morristown		Holland		Vergennes city	
	Waterbury		Stannard		Irasburg		Waltham	
Worcester	Stowe		Jay		Weybridge			
Chittenden County Service Region	Bolton		Waterville	Lemington	Northwest Vermont Technical Center Region	Alburgh	Randolph Technical Career Center Region	Bethel
	Buel's gore		Wolcott	Lewis		Fairfield		Braintree
	Burlington city	Woodbury	Lowell	Franklin		Brookfield		
	Charlotte	Hartford Area Career and Technology Center Region	Barnard	Morgan		Chelsea		
	Colchester		Bridgewater	Newport city		Granville		
	Essex		Hartford	Newport town		Hancock		
	Fairfax		Hartland	Norton		Northfield		
	Fletcher		Killington	Troy		Orange		
	Grand Isle		Killington	Warner's grant		Pittsfield		
	Hinesburg		Norwich	Warren's gore		Randolph		
	Huntington		Pomfret	Westfield		Rochester		
	Jericho		Reading	Westmore		Roxbury		
	Milton		Weathersfield	Northwest Vermont Technical Center Region		Swanton		Royalton
	North Hero	West Windsor	Alburgh			Sharon		
	Richmond	Windsor	Fairfield			Stockbridge		
	Shelburne	Woodstock	Franklin			Strafford		
	South Burlington city		Georgia		Tunbridge			
	South Hero		Highgate		Washington			
	St. George		Isle La Motte	Williamstown				
	Underhill		Sheldon					
Westford		St. Albans city						
Williston		St. Albans town						
Winooski city								

Vermont 2017-2018 Career and Technical Education Regions

River Bend Career and Technical Center Region	Bradford
	Corinth
	Fairlee
	Groton
	Newbury
	Ryegate
	Thetford
	Topsham
	Vershire
	West Fairlee

St. Johnsbury Service Region	Barnet
	Burke
	Concord
	Danville
	East Haven
	Granby
	Guildhall
	Kirby
	Lunenburg
	Lyndon
	Maidstone
	Newark
	Peacham
	Sheffield
	St. Johnsbury
	Sutton
	Victory
	Walden
Waterford	
Wheelock	

Windham Regional Career Center Region	Brattleboro
	Brookline
	Dover
	Dummerston
	Guilford
	Halifax
	Jamaica
	Marlboro
	Newfane
	Putney
	Somerset
	Stratton
	Townshend
	Vernon
	Wardsboro
	Whitingham
	Wilmington
	Windham
Winhall	

River Valley Technical Center Region	Andover
	Athens
	Baltimore
	Cavendish
	Chester
	Grafton
	Landgrove
	Londonderry
	Ludlow
	Mount Holly
	Peru
	Rockingham
	Springfield
	Westminster
Weston	

Stafford Technical Center Region	Benson
	Brandon
	Castleton
	Chittenden
	Clarendon
	Fair Haven
	Goshen
	Hubbardton
	Ira
	Leicester
	Mendon
	Middletown Springs
	Orwell
	Pittsford
	Plymouth
	Poultney
	Proctor
	Rutland city
	Rutland town
	Shrewsbury
	Sudbury
	Tinmouth
Wallingford	
Wells	
West Haven	
West Rutland	
Whiting	

Southwest Vermont Career Development Center Region	Arlington
	Bennington
	Danby
	Dorset
	Glastenbury
	Manchester
	Mount Tabor
	Pawlet
	Pownal
	Readsboro
	Rupert
	Sandgate
	Searsburg
	Shaftsbury
	Stamford
	Sunderland
	Woodford

Vermont Towns/Cities and Career and Technology Education Region

Town/City	CTE	Town/City	CTE	Town/City	CTE
Addison.....	Hannaford	Cavendish.....	River Valley	Greensboro.....	Green Mtn
Albany.....	North Country	Charleston.....	North Country	Groton.....	River Bend
Alburgh.....	Northwest VT	Charlotte.....	Chittenden	Guildhall.....	St. Johnsbury
Andover.....	River Valley	Chelsea.....	Randolph	Guilford.....	Windham
Arlington.....	Southwest VT	Chester.....	River Valley	Halifax.....	Windham
Athens.....	River Valley	Chittenden.....	Stafford	Hancock.....	Randolph
Averill.....	North Country	Clarendon.....	Stafford	Hardwick.....	Green Mtn
Avery's gore.....	North Country	Colchester.....	Chittenden	Hartford.....	Hartford
Bakersfield.....	Cold Hollow	Concord.....	St. Johnsbury	Hartland.....	Hartford
Baltimore.....	River Valley	Corinth.....	River Bend	Highgate.....	Northwest VT
Barnard.....	Hartford	Cornwall.....	Hannaford	Hinesburg.....	Chittenden
Barnet.....	St. Johnsbury	Coventry.....	North Country	Holland.....	North Country
Barre city.....	Central VT	Craftsbury.....	Green Mtn	Hubbardton.....	Stafford
Barre town.....	Central VT	Danby.....	Southwest VT	Huntington.....	Chittenden
Barton.....	North Country	Danville.....	St. Johnsbury	Hyde Park.....	Green Mtn
Belvidere.....	Green Mtn	Derby.....	North Country	Ira.....	Stafford
Bennington.....	Southwest VT	Dorset.....	Southwest VT	Irasburg.....	North Country
Benson.....	Stafford	Dover.....	Windham	Isle La Motte.....	Northwest VT
Berkshire.....	Cold Hollow	Dummerston.....	Windham	Jamaica.....	Windham
Berlin.....	Central VT	Duxbury.....	Central VT	Jay.....	North Country
Bethel.....	Randolph	East Haven.....	St. Johnsbury	Jericho.....	Chittenden
Bloomfield.....	North Country	East Montpelier.....	Central VT	Johnson.....	Green Mtn
Bolton.....	Chittenden	Eden.....	Green Mtn	Killington.....	Hartford
Bradford.....	River Bend	Elmore.....	Green Mtn	Kirby.....	St. Johnsbury
Braintree.....	Randolph	Enosburgh.....	Cold Hollow	Landgrove.....	River Valley
Brandon.....	Stafford	Essex.....	Chittenden	Leicester.....	Stafford
Brattleboro.....	Windham	Fair Haven.....	Stafford	Lemington.....	North Country
Bridgewater.....	Hartford	Fairfax.....	Chittenden	Lewis.....	North Country
Bridport.....	Hannaford	Fairfield.....	Northwest VT	Lincoln.....	Hannaford
Brighton.....	North Country	Fairlee.....	River Bend	Londonderry.....	River Valley
Bristol.....	Hannaford	Fayston.....	Central VT	Lowell.....	North Country
Brookfield.....	Randolph	Ferdinand.....	North Country	Ludlow.....	River Valley
Brookline.....	Windham	Ferrisburgh.....	Hannaford	Lunenburg.....	St. Johnsbury
Brownington.....	North Country	Fletcher.....	Chittenden	Lyndon.....	St. Johnsbury
Brunswick.....	North Country	Franklin.....	Northwest VT	Maidstone.....	St. Johnsbury
Buel's gore.....	Chittenden	Georgia.....	Northwest VT	Manchester.....	Southwest VT
Burke.....	St. Johnsbury	Glastenbury.....	Southwest VT	Marlboro.....	Windham
Burlington city.....	Chittenden	Glover.....	North Country	Marshfield.....	Central VT
Cabot.....	Central VT	Goshen.....	Stafford	Mendon.....	Stafford
Calais.....	Central VT	Grafton.....	River Valley	Middlebury.....	Hannaford
Cambridge.....	Green Mtn	Granby.....	St. Johnsbury	Middlesex.....	Central VT
Canaan.....	North Country	Grand Isle.....	Chittenden	Middletown Springs.....	Stafford
Castleton.....	Stafford	Granville.....	Randolph	Milton.....	Chittenden

Vermont Towns/Cities and Career and Technology Education Region

Town/City	CTE	Town/City	CTE	Town/City	CTE
Monkton.....	Hannaford	Rupert.....	Southwest VT	Victory.....	St. Johnsbury
Montgomery.....	Cold Hollow	Rutland city.....	Stafford	Waitsfield.....	Central VT
Montpelier city.....	Central VT	Rutland town.....	Stafford	Walden.....	St. Johnsbury
Moretown.....	Central VT	Ryegate.....	River Bend	Wallingford.....	Stafford
Morgan.....	North Country	Salisbury.....	Hannaford	Waltham.....	Hannaford
Morristown.....	Green Mtn	Sandgate.....	Southwest VT	Wardsboro.....	Windham
Mount Holly.....	River Valley	Searsburg.....	Southwest VT	Warner's grant.....	North Country
Mount Tabor.....	Southwest VT	Shaftsbury.....	Southwest VT	Warren.....	Central VT
New Haven.....	Hannaford	Sharon.....	Randolph	Warren's gore.....	North Country
Newark.....	St. Johnsbury	Sheffield.....	St. Johnsbury	Washington.....	Randolph
Newbury.....	River Bend	Shelburne.....	Chittenden	Waterbury.....	Central VT
Newfane.....	Windham	Sheldon.....	Northwest VT	Waterford.....	St. Johnsbury
Newport city.....	North Country	Shoreham.....	Hannaford	Waterville.....	Green Mtn
Newport town.....	North Country	Shrewsbury.....	Stafford	Weathersfield.....	Hartford
North Hero.....	Chittenden	Somerset.....	Windham	Wells.....	Stafford
Northfield.....	Randolph	South Burlington city...	Chittenden	West Fairlee.....	River Bend
Norton.....	North Country	South Hero.....	Chittenden	West Haven.....	Stafford
Norwich.....	Hartford	Springfield.....	River Valley	West Rutland.....	Stafford
Orange.....	Randolph	St. Albans city.....	Northwest VT	West Windsor.....	Hartford
Orwell.....	Stafford	St. Albans town.....	Northwest VT	Westfield.....	North Country
Panton.....	Hannaford	St. George.....	Chittenden	Westford.....	Chittenden
Pawlet.....	Southwest VT	St. Johnsbury.....	St. Johnsbury	Westminster.....	River Valley
Peacham.....	St. Johnsbury	Stamford.....	Southwest VT	Westmore.....	North Country
Peru.....	River Valley	Stannard.....	Green Mtn	Weston.....	River Valley
Pittsfield.....	Randolph	Starksboro.....	Hannaford	Weybridge.....	Hannaford
Pittsford.....	Stafford	Stockbridge.....	Randolph	Wheelock.....	St. Johnsbury
Plainfield.....	Central VT	Stowe.....	Green Mtn	Whiting.....	Stafford
Plymouth.....	Stafford	Strafford.....	Randolph	Whitingham.....	Windham
Pomfret.....	Hartford	Stratton.....	Windham	Williamstown.....	Randolph
Poultney.....	Stafford	Sudbury.....	Stafford	Williston.....	Chittenden
Pownal.....	Southwest VT	Sunderland.....	Southwest VT	Wilmington.....	Windham
Proctor.....	Stafford	Sutton.....	St. Johnsbury	Windham.....	Windham
Putney.....	Windham	Swanton.....	Northwest VT	Windsor.....	Hartford
Randolph.....	Randolph	Thetford.....	River Bend	Winhall.....	Windham
Reading.....	Hartford	Tinmouth.....	Stafford	Winooski city.....	Chittenden
Readsboro.....	Southwest VT	Topsham.....	River Bend	Wolcott.....	Green Mtn
Richford.....	Cold Hollow	Townshend.....	Windham	Woodbury.....	Green Mtn
Richmond.....	Chittenden	Troy.....	North Country	Woodford.....	Southwest VT
Ripton.....	Hannaford	Tunbridge.....	Randolph	Woodstock.....	Hartford
Rochester.....	Randolph	Underhill.....	Chittenden	Worcester.....	Central VT
Rockingham.....	River Valley	Vergennes city.....	Hannaford		
Roxbury.....	Randolph	Vernon.....	Windham		
Royalton.....	Randolph	Vershire.....	River Bend		