

Jobs & People IV



Towards
a Sustainable
Community
and
Economy



A report to the
Community & Economic Development Office
City of Burlington, Vermont
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Jobs & People IV: *Towards a Sustainable Economy*

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Introduction

This report, Jobs and People IV, updates the economic and demographic data on Burlington's local and regional economy presented in Jobs and People III. Our intention is that this data will provide a valuable foundation for analysis of the economic conditions impacting our community.

Jobs and People III was published in July 1994. At that time the classification systems for coding industries and occupations were different from what are now used. In the late 1990s the industry coding system was changed from SIC to NAICS and a similar change was made for occupation level data. Consequently, the industry and occupational level data in J&P IV are not directly comparable to the data in J&P III. In an effort, though, to provide CEDO and other users of this data with the ability to do time series analysis, we have taken advantage of secondary data sources such as the Vermont Department of Labor's Covered Employment and Wages Program that has reclassified older SIC data into NAICS. Any industry or occupational data appearing in this report, regardless of the year, has been converted to the current classification standards.

An excel file has been created for each chapter in this report. The excel files provide some additional information, more detail on sources and NAICS and SOC code numbers for all industry and occupational data. Perhaps most importantly, the excel files show all of the calculations underlying the tables and charts in this report. While this particular document may become dated as time passes, we hope the excel files will make it easy to keep the data up-to-date and for users to build on these datasets.

Not only have industry and occupation classification systems changed since the early 1990s, but the philosophy of community and economic development has changed and the benchmarks that measure a healthy economy have evolved too. For example, a strong manufacturing sector used to be a key measure of success for a community but now the information and arts sectors are identified as crucial ingredients in a "creative economy" that stimulates economic growth and development. Jobs and People IV primarily, but not exclusively, updates the charts and tables from Jobs and People III and thus provides a rich foundation of data that has been traditionally tracked to measure the well-being of an economy. In addition, we have augmented this report with more data on the Information, Arts and related sectors than appeared in Jobs and People III. Specifically, we added 2 digit NAICS data for Information (NAICS 51), Professional and Technical Services (NAICS 54) and Arts, Entertainment and Recreation (NAICS 71). We expect that users of the data will continue the process of making sure that the data collected and reported is the most relevant to understanding the issues and concerns facing Burlington and Chittenden County.

JOBS & People, Chapter I:

Characteristics of the Local Economy

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Total Employment Trends, 1980-2006.

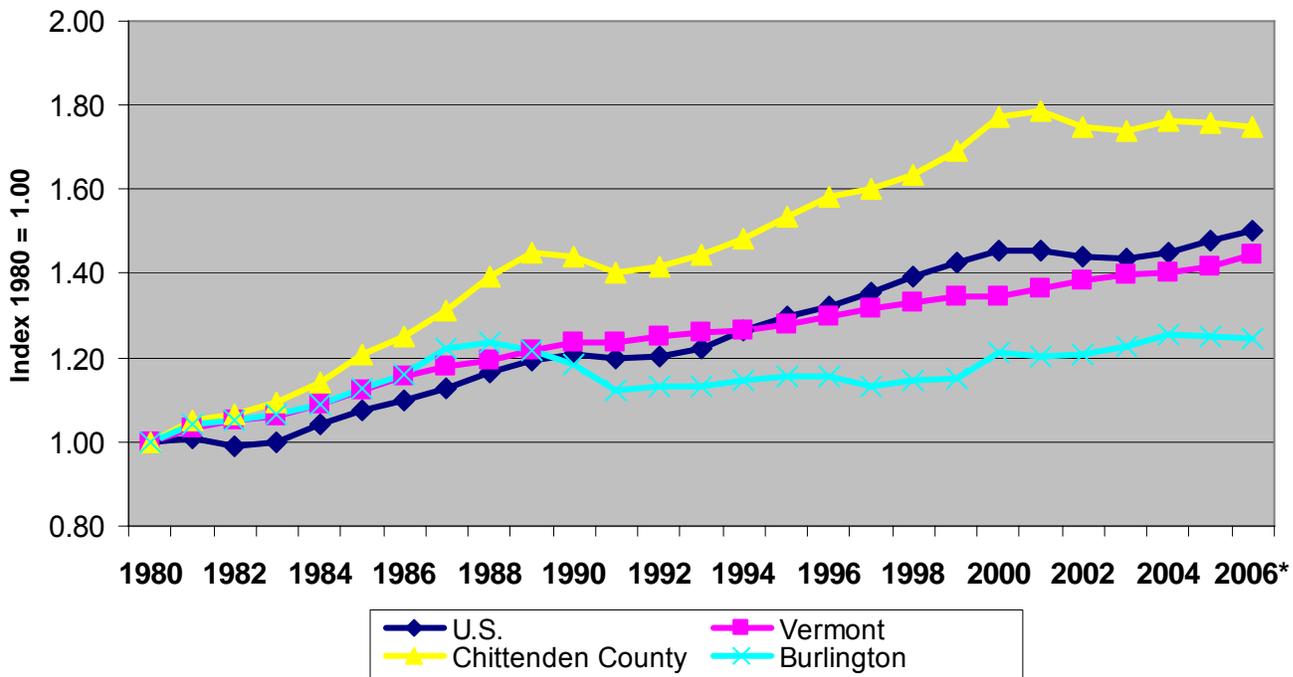
Source: Vermont, Chittenden County, Burlington: Quarterly Census of Employment and Wages (QCEW) program, VT Department of Labor, Economic & Labor Market Information Office, Covered Employment and Wages
United States: Bureau of Labor Statistics Data, Total Non-farm Employment- Not Seasonally Adjusted

	Vermont	growth rate	Chittenden County	growth rate	Burlington	growth rate	U.S. (in 1000's)	growth rate
1980	249,700	1.00	53,849	1.00	25,966	1.00	90,528	1.00
1981	257,300	1.03	56,603	1.05	27,050	1.04	91,289	1.01
1982	263,000	1.05	57,378	1.07	27,248	1.05	89,677	0.99
1983	265,400	1.06	58,805	1.09	27,665	1.07	90,280	1.00
1984	271,600	1.09	61,460	1.14	28,332	1.09	94,530	1.04
1985	280,200	1.12	64,946	1.21	29,324	1.13	97,511	1.08
1986	288,400	1.15	67,378	1.25	30,116	1.16	99,474	1.10
1987	294,400	1.18	70,752	1.31	31,695	1.22	102,088	1.13
1988	297,900	1.19	74,895	1.39	32,073	1.24	105,345	1.16
1989	304,500	1.22	78,119	1.45	31,597	1.22	108,014	1.19
1990	309,300	1.24	77,548	1.44	30,801	1.19	109,487	1.21
1991	308,600	1.24	75,533	1.40	29,110	1.12	108,374	1.20
1992	312,400	1.25	76,188	1.41	29,437	1.13	108,726	1.20
1993	314,900	1.26	77,873	1.45	29,430	1.13	110,844	1.22
1994	316,200	1.27	79,960	1.48	29,750	1.15	114,291	1.26
1995	319,000	1.28	82,617	1.53	30,032	1.16	117,298	1.30
1996	323,900	1.30	85,224	1.58	30,045	1.16	119,708	1.32
1997	328,800	1.32	86,363	1.60	29,402	1.13	122,776	1.36
1998	331,900	1.33	88,145	1.64	29,809	1.15	125,930	1.39
1999	335,400	1.34	91,165	1.69	29,924	1.15	128,993	1.42
2000	335,800	1.34	95,354	1.77	31,493	1.21	131,785	1.46
2001	341,200	1.37	96,179	1.79	31,208	1.20	131,826	1.46
2002	345,600	1.38	94,083	1.75	31,424	1.21	130,341	1.44
2003	349,400	1.40	93,533	1.74	31,823	1.23	129,999	1.44
2004	350,700	1.40	94,881	1.76	32,579	1.25	131,435	1.45
2005	353,600	1.42	94,799	1.76	32,498	1.25	133,703	1.48
2006*	361,000	1.45	94,208	1.75	32,377	1.25	136,174	1.50

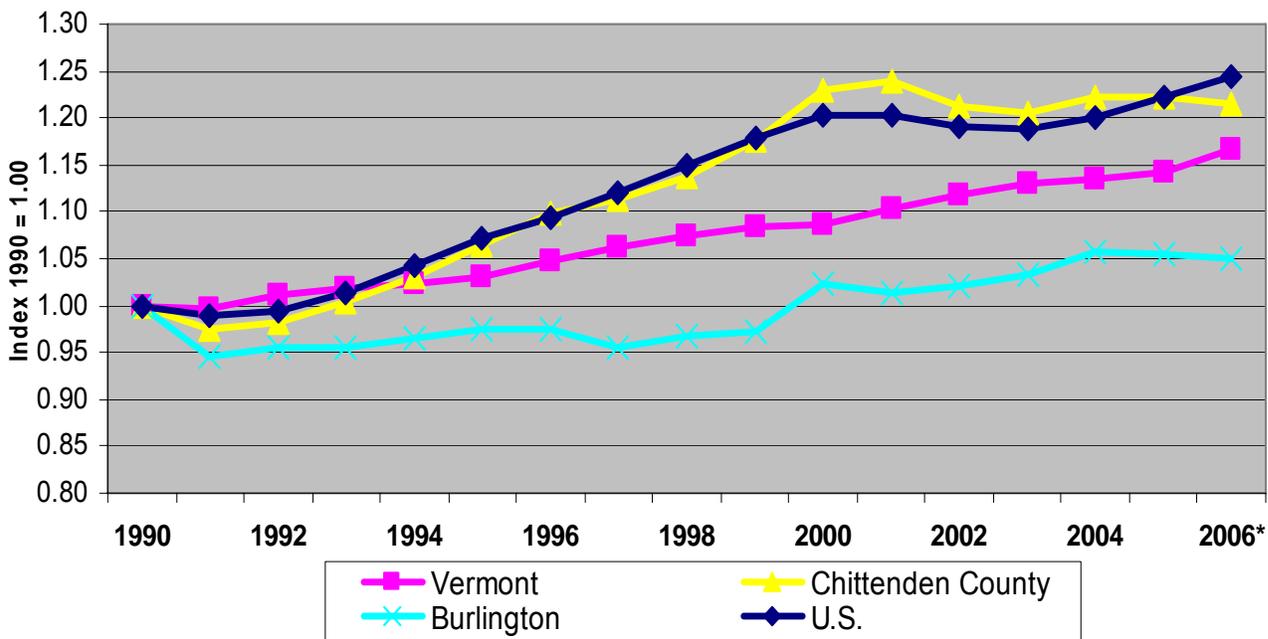
*NOTE: 2006 Data for Vermont, Chittenden County and Burlington is an average of quarters 1, 2 and 3 only.

Trends in total employment indicate positive growth for all samples between 1980 and 2006. From 1980 through 1989, Vermont, Chittenden County, and Burlington growth rates outpace that of the U.S. After 1983 Chittenden County begins to diverge from the other samples as it experiences strong growth until about 1990. It is also in this year that Burlington's growth rate falls below Vermont and the U.S. averages. From 1990 to 2006, Vermont and the U.S. total employment rates increase at a similar pace with Chittenden County at a faster rate and Burlington slower. Burlington's slow total employment growth should be understood in the context of its even slower population growth. Between 1990 and 2003, Burlington's total employment grew at 3% while its population grew by only 0.1%. Chittenden County realizes the highest growth rate in total employment between 1990 and 2003. Population in Chittenden County increases by 13% during this period, and is accompanied by an even more impressive 21% increase in total employment. It is interesting to note that, between 1990 and 2003, Chittenden County's rate of employment remains below its population growth rate until 1995 (see charts in the next chapter for population growth data). From 1995 to 2003, Chittenden County's total employment rate greatly exceeds its population growth. Vermont's total employment growth outpaces its population between 1990 and 2003, but at a similar pace as the U.S.

Trends in Total Employment 1980 to 2006*



Trends in Total Employment 1990 to 2006



Total Private Employment Trends, 1980-2006.

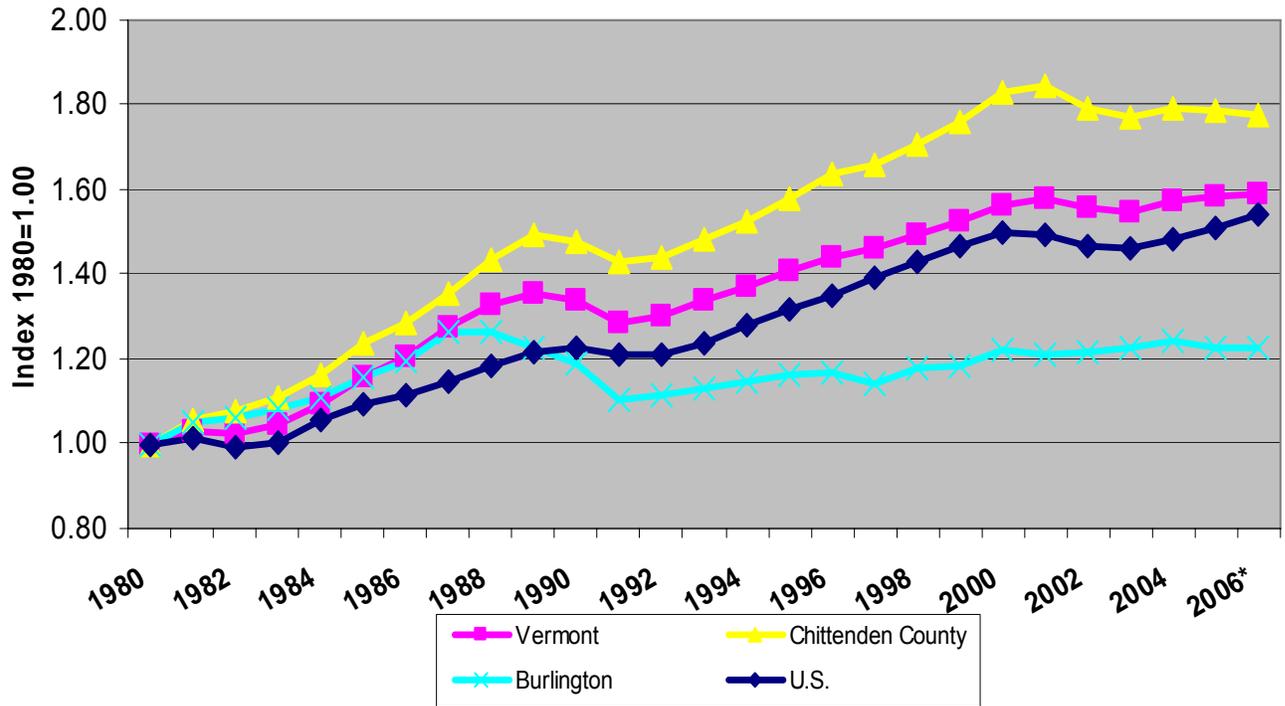
Source: Vermont, Chittenden County, Burlington: Quarterly Census of Employment and Wages (QCEW) program, VT Department of Labor, Economic & Labor Market Information Office, Covered Employment and Wages
 United States: Bureau of Labor Statistics Data, Total Non-farm Employment- Not Seasonally Adjusted

	Vermont	growth rate	Chittenden County	growth rate	Burlington	growth rate	U.S. (in 1000s)	growth rate
1980	159,571	1.00	44,879	1.00	20,208	1.00	74154	1.00
1981	164,378	1.03	47,499	1.06	21,185	1.05	75109	1.01
1982	163,540	1.02	48,434	1.08	21,485	1.06	73695	0.99
1983	166,832	1.05	49,773	1.11	21,868	1.08	74269	1.00
1984	174,768	1.10	52,128	1.16	22,366	1.11	78371	1.06
1985	184,406	1.16	55,584	1.24	23,435	1.16	80978	1.09
1986	192,538	1.21	57,741	1.29	24,121	1.19	82636	1.11
1987	203,233	1.27	60,913	1.36	25,503	1.26	84932	1.15
1988	211,830	1.33	64,464	1.44	25,545	1.26	87806	1.18
1989	216,096	1.35	67,086	1.49	24,836	1.23	90087	1.21
1990	213,950	1.34	66,401	1.48	24,082	1.19	91072	1.23
1991	205,050	1.29	64,140	1.43	22,335	1.11	89829	1.21
1992	207,250	1.30	64,561	1.44	22,491	1.11	89940	1.21
1993	213,250	1.34	66,519	1.48	22,814	1.13	91855	1.24
1994	219,050	1.37	68,569	1.53	23,122	1.14	95016	1.28
1995	224,900	1.41	70,934	1.58	23,499	1.16	97866	1.32
1996	229,500	1.44	73,461	1.64	23,601	1.17	100169	1.35
1997	233,450	1.46	74,492	1.66	23,100	1.14	103113	1.39
1998	238,650	1.50	76,490	1.70	23,779	1.18	106021	1.43
1999	243,750	1.53	79,065	1.76	23,909	1.18	108686	1.47
2000	249,100	1.56	82,107	1.83	24,653	1.22	110996	1.50
2001	251,900	1.58	82,814	1.85	24,462	1.21	110707	1.49
2002	248,550	1.56	80,452	1.79	24,621	1.22	108828	1.47
2003	247,200	1.55	79,446	1.77	24,767	1.23	108416	1.46
2004	250,650	1.57	80,362	1.79	25,107	1.24	109814	1.48
2005	252,550	1.58	80,084	1.78	24,771	1.23	111899	1.51
2006*	253,950	1.59	79,757	1.78	24,771	1.23	114184	1.54

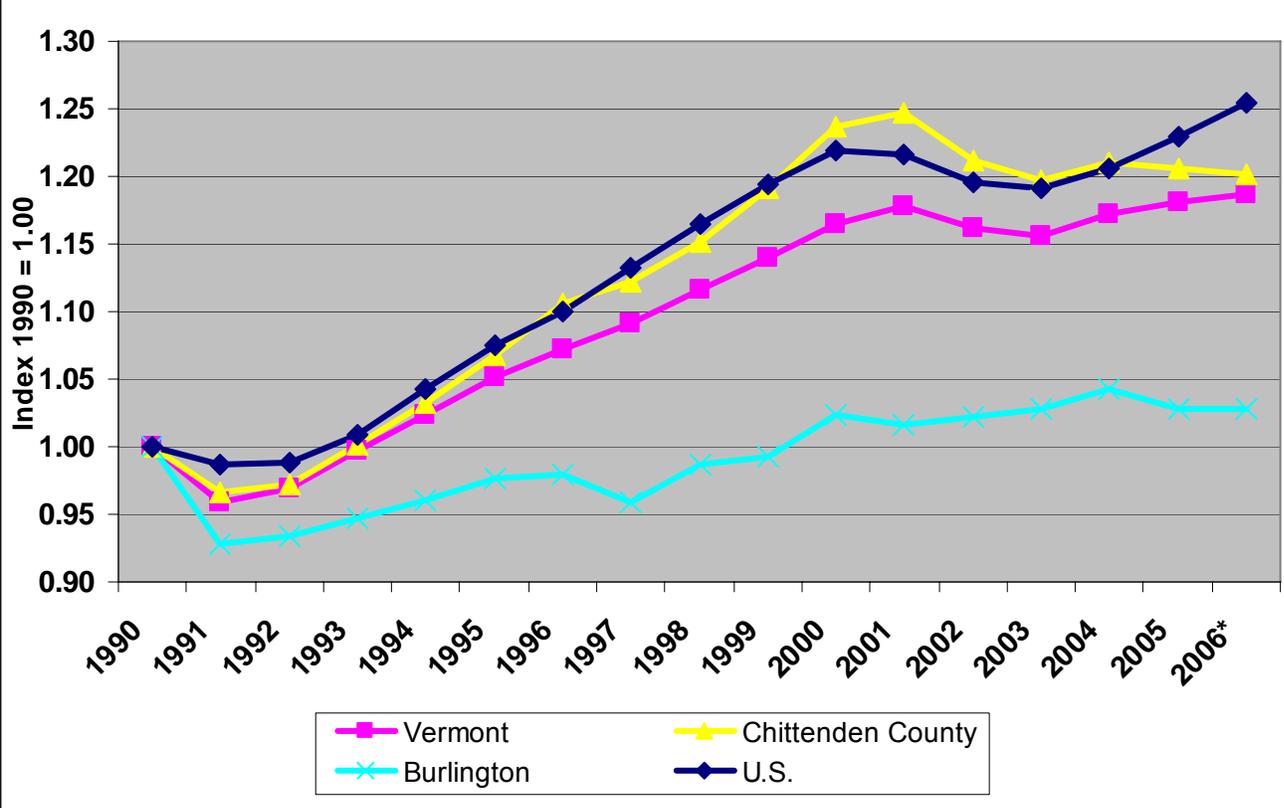
*NOTE: 2006 Data for Vermont, Chittenden County and Burlington is an average of quarters 1, 2 and 3 only.

Private sector growth rates for Burlington have been relatively slow compared to Vermont, Chittenden County and the U.S and compared to Burlington's overall employment growth rates. Clearly the public sector plays an important role in Burlington's growth. The dip in Chittenden County's growth trajectory that begins in 2001 is also much more pronounced in the private sector data than in the overall employment data shown on the previous page.

Trends in Total Private Employment 1980 to 2006*



Trends in Private Employment 1990 to 2006



Annual Employment by Sector: Burlington 1990-2006.

Source: Current Employment Statistics (CES) program produced by the Vermont Department of Labor, Labor Market Information in cooperation with the U.S. Bureau of Labor Statistics.

Note: Sector coding was changed in the 1990s from SIC to NAICS codes. The Vermont Department of Labor website has converted the earlier data to NAICS. So, all data in this report is comparable but not comparable with the data in Jobs and People 3.

Data for sectors with a small number of employers/employees may not be available to protect privacy-those sectors are designated n/a.

The service providing sector is a combination of service jobs in other NAICS sectors. Specifically, the service providing sector consists of private sector jobs in NAICS sectors 22 and 42-81.

Burlington 1990 to 2006*									
Description	1990	1991	1992	1993	1994	1995	1996	1997	1998
Total Employment	30,801	29,110	29,437	29,430	29,750	30,032	30,045	29,402	29,809
SERVICE PROVIDING	21,030	19,717	19,981	20,125	20,432	20,817	20,753	20,257	20,843
Manufacturing	2,244	1,984	1,909	2,053	2,046	2,079	2,242	2,194	2,229
Construction	807	634	n/a	n/a	644	602	606	n/a	706
Wholesale Trade	844	833	n/a	n/a	766	n/a	n/a	n/a	n/a
Retail Trade	3,524	3,194	3,127	3,139	3,051	3,048	2,760	2,674	2,537
Transportation & Warehousing	875	n/a	751	747		741	772	739	724
Information	848	854	937	791	884	949	1,120	1,137	1,189
Finance & Insurance	2,348	2,025	1,982	1,960	1,977	1,900	1,543	1,500	1,631
Real Estate, Rental & Leasing	416	449	365	395	485	511	507	483	473
Professional, Scientific & Tech Svcs	1,503	1,349	1,466	1,721	1,792	1,819	1,795	1,970	2,116
Admin, Support & Waste Svcs	469	n/a							
Educational Services	637	641	677	688	717	735	775	841	769
Health Care and Social Assistance	6,177	6,074	6,328	6,357	6,223	6,641	6,686	6,229	6,511
Arts, Entertainment & Recreation	137	128	118	115	142	161	183	216	230
Accommodation & Food Services	2,327	2,122	2,184	2,191	2,184	2,125	2,213	1,921	2,053
Other Services	924	806	846	844	942	971	1,087	1,100	1,022
Government Total	6,720	6,776	6,946	6,616	6,628	6,533	6,445	6,302	6,031

Description	1999	2000	2001	2002	2003	2004	2005	2006*
Total Employment	29,924	31,493	31,208	31,424	31,823	32,579	32,498	32,377
SERVICE PROVIDING	21,079	21,807	21,880	22,126	22,145	22,340	22,120	22,200
Manufacturing	2,078	2,072	1,969	1,871	1,898	1,915	1,876	1,769
Construction	752	n/a						
Wholesale Trade	n/a	453						
Retail Trade	2,656	2,995	2,877	3,104	3,111	3,109	3,073	2,963
Transportation & Warehousing	743	708	693	683	674	649	590	546
Information	826	875	752	698	667	633	601	537
Finance & Insurance	1,769	1,699	1,761	1,600	1,533	1,541	1,531	1,515
Real Estate, Rental & Leasing	432	448	412	434	428	409	415	433
Professional, Scientific & Tech Svcs	2,241	2,336	2,353	2,420	2,302	2,180	2,171	2,203
Admin, Support & Waste Svcs	n/a							
Educational Services	773	790	751	739	713	737	673	618
Health Care and Social Assistance	6,707	6,899	7,323	7,536	7,716	7,716	7,658	7,943
Arts, Entertainment & Recreation	242	233	239	250	272	276	312	310
Accommodation & Food Services	2,186	2,205	2,167	2,154	2,165	2,413	2,320	2,386
Other Services	986	1,031	1,044	1,073	1,115	1,084	989	985
Government Total	6,015	6,840	6,746	6,803	7,056	7,473	7,727	7,549

*NOTE: 2006 Data is an average of quarters 1, 2 and 3 only.

Annual Employment by Sector: Burlington 1990-2006.

Source: Current Employment Statistics (CES) program produced by the Vermont Department of Labor, Labor Market Information in cooperation with the U.S. Bureau of Labor Statistics.

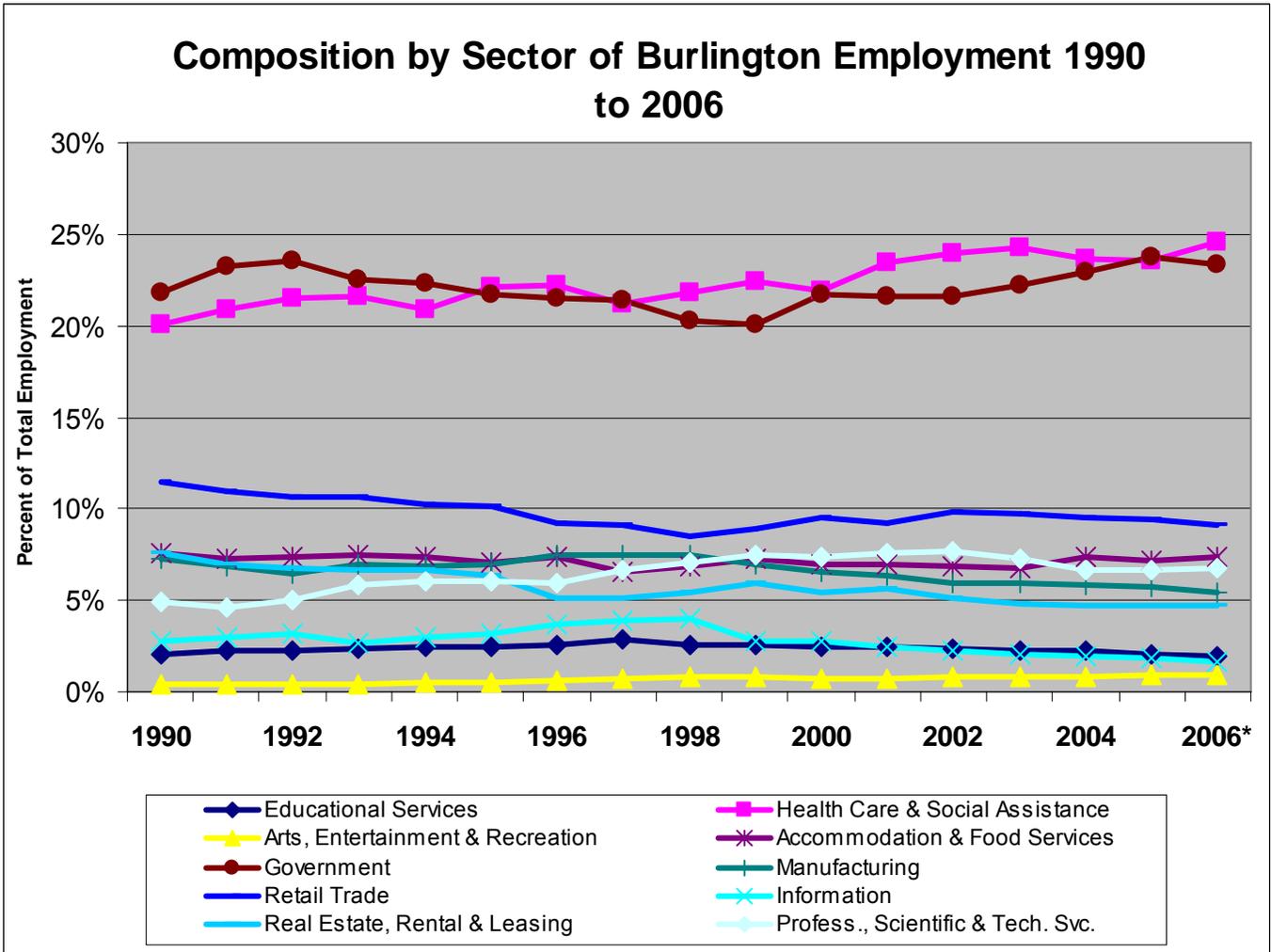
Percent of Total Employment, Burlington 1990 to 2006*									
Description	1990	1991	1992	1993	1994	1995	1996	1997	1998
SERVICE PROVIDING	68.28%	67.73%	67.88%	68.38%	68.68%	69.32%	69.07%	68.90%	69.92%
Manufacturing	7.29%	6.82%	6.49%	6.98%	6.88%	6.92%	7.46%	7.46%	7.48%
Construction	2.62%	2.18%	n/a	n/a	2.16%	2.00%	2.02%	n/a	2.37%
Wholesale Trade	2.74%	2.86%	n/a	n/a	2.57%	n/a	n/a	n/a	n/a
Retail Trade	11.44%	10.97%	10.62%	10.67%	10.26%	10.15%	9.19%	9.09%	8.51%
Transportation & Warehousing	2.84%	n/a	2.55%	2.54%	0.00%	2.47%	2.57%	2.51%	2.43%
Information	2.75%	2.93%	3.18%	2.69%	2.97%	3.16%	3.73%	3.87%	3.99%
Finance & Insurance	7.62%	6.96%	6.73%	6.66%	6.65%	6.33%	5.14%	5.10%	5.47%
Real Estate, Rental & Leasing	1.35%	1.54%	1.24%	1.34%	1.63%	1.70%	1.69%	1.64%	1.59%
Professional, Scientific & Tech.	4.88%	4.63%	4.98%	5.85%	6.02%	6.06%	5.97%	6.70%	7.10%
Admin, Support & Waste Svcs	1.52%	n/a							
Educational Services	2.07%	2.20%	2.30%	2.34%	2.41%	2.45%	2.58%	2.86%	2.58%
Health Care & Social Assistance	20.05%	20.87%	21.50%	21.60%	20.92%	22.11%	22.25%	21.19%	21.84%
Arts, Entertainment & Rec.	0.44%	0.44%	0.40%	0.39%	0.48%	0.54%	0.61%	0.73%	0.77%
Accommodation & Food Svcs	7.55%	7.29%	7.42%	7.44%	7.34%	7.08%	7.37%	6.53%	6.89%
Other Services	3.00%	2.77%	2.87%	2.87%	3.17%	3.23%	3.62%	3.74%	3.43%
Government	21.82%	23.28%	23.60%	22.48%	22.28%	21.75%	21.45%	21.43%	20.23%

Description	1999	2000	2001	2002	2003	2004	2005	2006*
SERVICE PROVIDING	70.44%	69.24%	70.11%	70.41%	69.59%	68.57%	68.07%	68.57%
Manufacturing	6.94%	6.58%	6.31%	5.95%	5.96%	5.88%	5.77%	5.46%
Construction	2.51%	n/a						
Wholesale Trade	n/a	1.40%						
Retail Trade	8.88%	9.51%	9.22%	9.88%	9.78%	9.54%	9.46%	9.15%
Transportation & Warehousing	2.48%	2.25%	2.22%	2.17%	2.12%	1.99%	1.82%	1.69%
Information	2.76%	2.78%	2.41%	2.22%	2.10%	1.94%	1.85%	1.66%
Finance & Insurance	5.91%	5.39%	5.64%	5.09%	4.82%	4.73%	4.71%	4.68%
Real Estate, Rental & Leasing	1.44%	1.42%	1.32%	1.38%	1.34%	1.26%	1.28%	1.34%
Professional, Scientific & Tech Svcs	7.49%	7.42%	7.54%	7.70%	7.23%	6.69%	6.68%	6.81%
Admin, Support & Waste Svcs	n/a							
Educational Services	2.58%	2.51%	2.41%	2.35%	2.24%	2.26%	2.07%	1.91%
Health Care and Social Assistance	22.41%	21.91%	23.47%	23.98%	24.25%	23.68%	23.56%	24.53%
Arts, Entertainment and Recreation	0.81%	0.74%	0.77%	0.80%	0.85%	0.85%	0.96%	0.96%
Accommodation and Food Services	7.31%	7.00%	6.94%	6.85%	6.80%	7.41%	7.14%	7.37%
Other Services	3.30%	3.27%	3.35%	3.41%	3.50%	3.33%	3.04%	3.04%
Government	20.10%	21.72%	21.62%	21.65%	22.17%	22.94%	23.78%	23.32%

*NOTE: 2006 Data is an average of quarters 1, 2 and 3 only.

The Burlington growth sectors are led by Arts, Entertainment and Recreation. While this sector is still a very small component of the economy, it grew by 128% during the period from 1990-2005. Other Burlington sectors with double digit growth are Professional, Scientific and Technical Services (44.4%), Health Care and Social Assistance (24%) and Government (15%). Shrinking sectors are Finance-Insurance (-34.8), Transportation/Warehousing (-32.57), Information (-29.1), Manufacturing (-16.4%) and Retail (-12.8%).

Annual Employment by Sector: Burlington 1990-2006.



Growth trends by sector are depicted in the graph above. Health care/social assistance and government employment have been dominant throughout the period from 1990-2006. See previous page for more discussion.

Annual Employment by Sector: Chittenden County 1990-2006.

Source: Quarterly Census of Employment and Wages (QCEW) program, VT Department of Labor, Economic & Labor Market Information Office, Covered Employment and Wages

NOTE: The service providing sector is a combination of other major NAICS sectors. This highlighted rows do not contribute to total employment. They should be considered supplemental information for the enhancement of these tables only.

DESCRIPTION	1990	1991	1992	1993	1994	1995	1996	1997	1998
Total Employment	77,548	75,533	76,188	77,873	79,960	82,617	85,224	86,363	88,145
Service Providing	47,487	46,685	47,337	49,248	50,911	52,421	53,892	54,825	56,212
Manufacturing	14,359	13,617	13,538	13,322	13,440	13,985	14,938	14,873	15,227
Construction	4,417	3,688	3,543	3,801	4,030	4,296	4,415	4,582	4,834
Natural Resources and Mining	146	150	142	148	188	232	216	212	216
Wholesale Trade	3,193	3,186	3,043	3,138	3,144	3,227	3,335	3,319	3,237
Retail Trade	10,274	9,617	9,709	10,142	10,418	10,603	10,688	11,165	11,392
Utilities	390	387	388	396	392	375	359	368	375
Transportation & Warehousing	1,909	1,689	1,784	1,805	1,947	2,127	2,373	2,397	2,476
Information	2,090	2,133	2,182	2,292	2,236	2,344	2,595	2,646	2,873
Finance & Insurance	3,479	3,331	3,326	3,382	3,450	3,466	3,402	3,457	3,546
Real Estate, Rental & Leasing	987	1,011	933	968	1,097	1,177	1,233	1,273	1,263
Professional, Scientific & Tech.	3,905	3,790	3,797	3,820	4,108	4,264	4,350	4,625	5,015
Administrative, Support & Waste	n/a	n/a	n/a	2,525	2,888	2,677	3,065	n/a	n/a
Educational Services	1,485	1,517	1,557	1,634	1,765	1,825	1,946	2,091	2,162
Health Care & Social Assistance	8,167	8,412	8,682	9,086	9,265	9,832	9,860	9,720	10,137
Arts, Entertainment & Rec.	967	981	966	1,046	1,042	1,146	1,143	1,194	1,252
Accommodation & Food Services	6,786	6,324	6,506	6,610	6,611	6,739	6,784	6,609	6,445
Other Services	2,206	2,339	2,324	2,387	2,525	2,598	2,743	2,798	2,895
Government	11,138	11,393	11,627	11,345	11,391	11,683	11,763	11,870	11,656

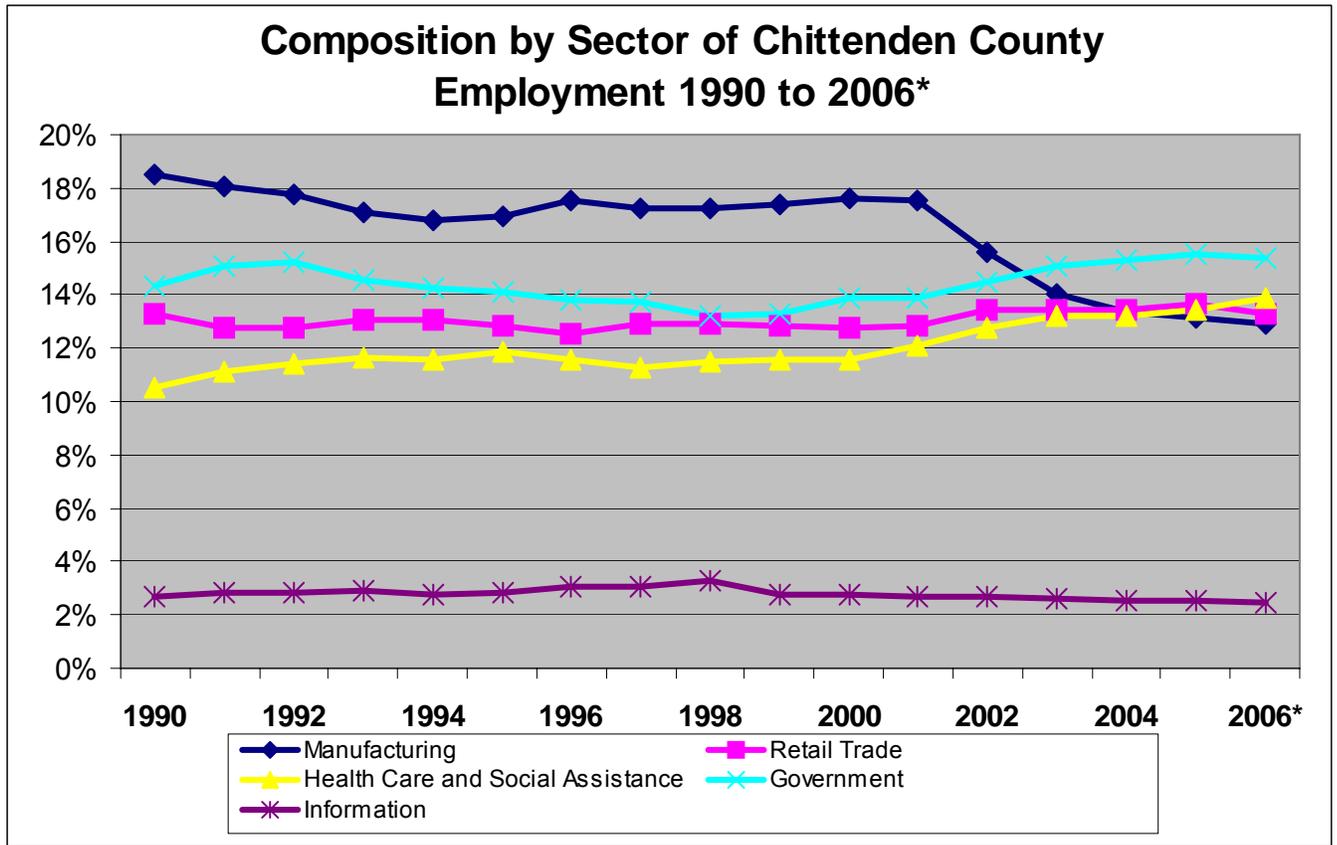
DESCRIPTION	1999	2000	2001	2002	2003	2004	2005	2006*
Total Employment	91,165	95,354	96,179	94,083	93,533	94,881	94,799	94,208
Service Providing	57,839	59,832	60,522	60,865	61,260	62,192	62,273	62,276
Manufacturing	15,818	16,759	16,891	14,658	13,132	12,694	12,418	12,132
Construction	5,200	5,305	5,174	4,718	4,869	5,298	5,213	5,161
Natural Resources & Mining	208	212	226	212	185	178	180	187
Wholesale Trade	3,122	3,048	3,170	3,176	3,408	3,426	3,370	3,379
Retail Trade	11,720	12,139	12,325	12,673	12,571	12,731	12,918	12,535
Utilities	340	291	234	254	263	252	248	253
Transportation & Warehousing	2,505	2,488	2,478	2,455	2,494	2,504	2,489	2,334
Information	2,520	2,651	2,586	2,532	2,472	2,429	2,371	2,322
Finance & Insurance	3,753	3,546	3,656	3,748	3,728	3,673	3,567	3,492
Real Estate, Rental & Leasing	1,209	1,211	1,165	1,139	1,164	1,204	1,221	1,231
Professional, Scientific & Tech.	5,612	6,014	6,055	5,980	5,852	5,911	5,925	6,086
Administrative, Support & Waste	n/a							
Educational Services	2,242	2,296	2,301	2,260	2,200	2,199	2,194	2,081
Health Care & Social Assistance	10,579	11,031	11,661	12,035	12,325	12,553	12,762	13,072
Arts, Entertainment & Rec.	1,312	1,490	1,550	1,618	1,568	1,559	1,595	1,676
Accommodation & Food Srvcs	6,626	6,851	6,817	6,933	6,851	7,234	7,056	7,371
Other Services	2,913	3,150	3,155	3,022	3,050	2,924	2,802	2,749
Government	12,100	13,247	13,365	13,632	14,087	14,518	14,715	14,451

Annual Employment by Sector: Chittenden County 1990-2006.

Percent of Total Employment, Chittenden County 1990 to 2006*									
Description	1990	1991	1992	1993	1994	1995	1996	1997	1998
SERVICE PROVIDING	61.24%	61.81%	62.13%	63.24%	63.67%	63.45%	63.24%	63.48%	63.77%
Manufacturing	18.52%	18.03%	17.77%	17.11%	16.81%	16.93%	17.53%	17.22%	17.27%
Construction	5.70%	4.88%	4.65%	4.88%	5.04%	5.20%	5.18%	5.31%	5.48%
Natural Resources & Mining	0.19%	0.20%	0.19%	0.19%	0.24%	0.28%	0.25%	0.25%	0.25%
Wholesale Trade	4.12%	4.22%	3.99%	4.03%	3.93%	3.91%	3.91%	3.84%	3.67%
Retail Trade	13.25%	12.73%	12.74%	13.02%	13.03%	12.83%	12.54%	12.93%	12.92%
Utilities	0.50%	0.51%	0.51%	0.51%	0.49%	0.45%	0.42%	0.43%	0.43%
Transportation & Warehousing	2.46%	2.24%	2.34%	2.32%	2.43%	2.57%	2.78%	2.78%	2.81%
Information	2.70%	2.82%	2.86%	2.94%	2.80%	2.84%	3.04%	3.06%	3.26%
Finance & Insurance	4.49%	4.41%	4.37%	4.34%	4.31%	4.20%	3.99%	4.00%	4.02%
Real Estate, Rental/Leasing	1.27%	1.34%	1.22%	1.24%	1.37%	1.42%	1.45%	1.47%	1.43%
Professional, Scientific & Technical	5.04%	5.02%	4.98%	4.91%	5.14%	5.16%	5.10%	5.36%	5.69%
Administrative, Support & Waste	n/a	n/a	n/a	3.24%	3.61%	3.24%	3.60%	n/a	n/a
Educational Services	1.91%	2.01%	2.04%	2.10%	2.21%	2.21%	2.28%	2.42%	2.45%
Health Care & Social Asst.	10.53%	11.14%	11.40%	11.67%	11.59%	11.90%	11.57%	11.25%	11.50%
Arts, Entertainment & Rec.	1.25%	1.30%	1.27%	1.34%	1.30%	1.39%	1.34%	1.38%	1.42%
Accommodation & Food Svcs	8.75%	8.37%	8.54%	8.49%	8.27%	8.16%	7.96%	7.65%	7.31%
Other Services	2.84%	3.10%	3.05%	3.07%	3.16%	3.14%	3.22%	3.24%	3.28%
Government	14.36%	15.08%	15.26%	14.57%	14.25%	14.14%	13.80%	13.74%	13.22%

Description	1999	2000	2001	2002	2003	2004	2005	2006*
SERVICE PROVIDING	63.44%	62.75%	62.93%	64.69%	65.50%	65.55%	65.69%	66.10%
Manufacturing	17.35%	17.58%	17.56%	15.58%	14.04%	13.38%	13.10%	12.88%
Construction	5.70%	5.56%	5.38%	5.01%	5.21%	5.58%	5.50%	5.48%
Natural Resources & Mining	0.23%	0.22%	0.23%	0.23%	0.20%	0.19%	0.19%	0.20%
Wholesale Trade	3.42%	3.20%	3.30%	3.38%	3.64%	3.61%	3.55%	3.59%
Retail Trade	12.86%	12.73%	12.81%	13.47%	13.44%	13.42%	13.63%	13.31%
Utilities	0.37%	0.31%	0.24%	0.27%	0.28%	0.27%	0.26%	0.27%
Transportation & Warehousing	2.75%	2.61%	2.58%	2.61%	2.67%	2.64%	2.63%	2.48%
Information	2.76%	2.78%	2.69%	2.69%	2.64%	2.56%	2.50%	2.46%
Finance & Insurance	4.12%	3.72%	3.80%	3.98%	3.99%	3.87%	3.76%	3.71%
Real Estate, Rental/Leasing	1.33%	1.27%	1.21%	1.21%	1.24%	1.27%	1.29%	1.31%
Professional, Scientific & Technical	6.16%	6.31%	6.30%	6.36%	6.26%	6.23%	6.25%	6.46%
Administrative, Support & Waste	n/a							
Educational Services	2.46%	2.41%	2.39%	2.40%	2.35%	2.32%	2.31%	2.21%
Health Care & Social Asst.	11.60%	11.57%	12.12%	12.79%	13.18%	13.23%	13.46%	13.88%
Arts, Entertainment & Rec.	1.44%	1.56%	1.61%	1.72%	1.68%	1.64%	1.68%	1.78%
Accommodation & Food Svcs	7.27%	7.18%	7.09%	7.37%	7.32%	7.62%	7.44%	7.82%
Other Services	3.20%	3.30%	3.28%	3.21%	3.26%	3.08%	2.96%	2.92%
Government	13.27%	13.89%	13.90%	14.49%	15.06%	15.30%	15.52%	15.34%

Annual Employment by Sector: Chittenden County 1990-2006.



The chart and tables display the breakdown of each sector's contribution to total employment in Chittenden County. Most sectors show steady trends between 1990 and 2006; however the manufacturing sector begins to trend downward in 2001 reaching a low 12.88% of total employment in 2006. Manufacturing plays a bigger role in Chittenden County than in Burlington (12.9% in Chittenden County vs. 5.5% in Burlington). Other major sectors for Chittenden County are Retail, Health Care and Social Assistance and Government as they were in Burlington.

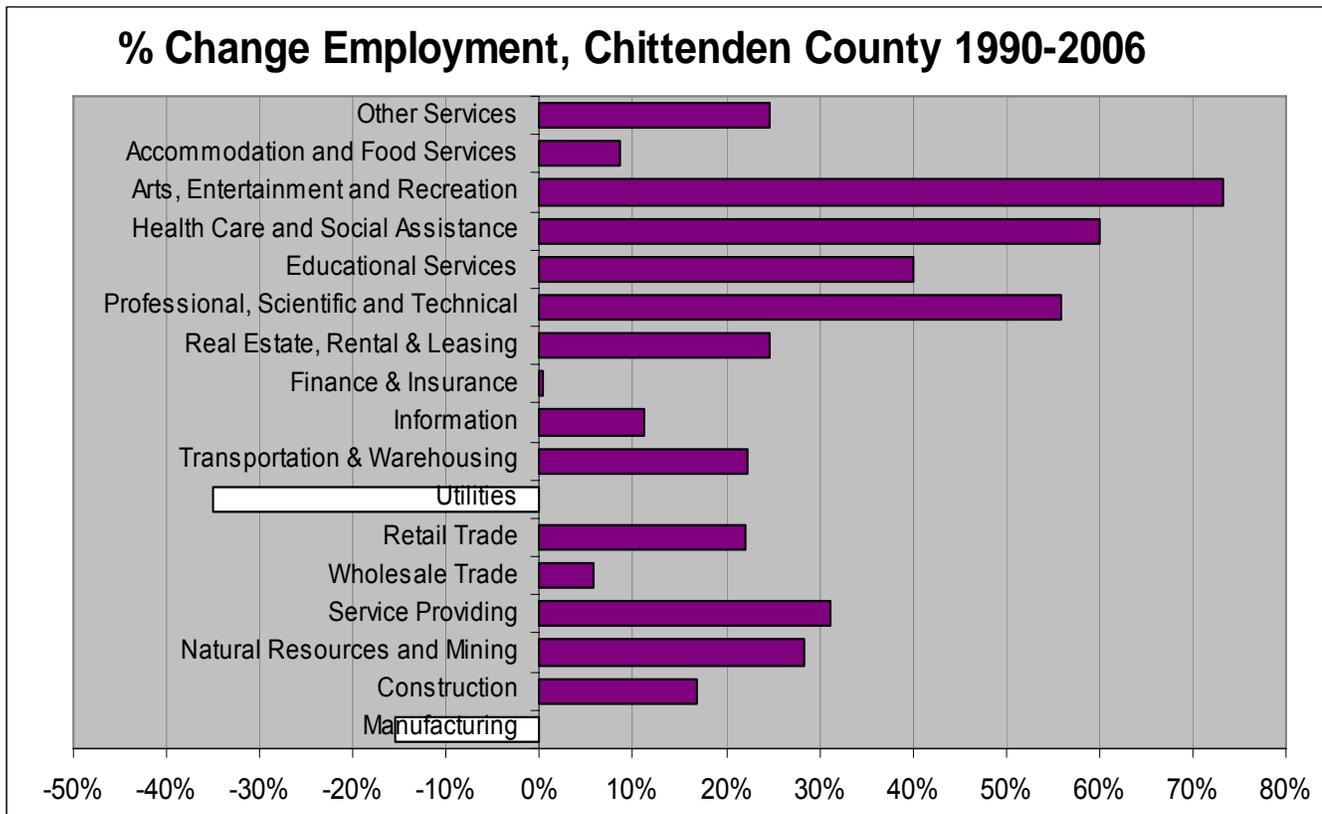
The service providing sector is the sum of employment in sectors 22 and 42-81. As seen in the table on the previous page, the role of service jobs in the regional economy is clearly growing.

Percentage Changes in Employment: Chittenden County, 1990-2006.

Source: See sources for the previous data table.

EMPLOYMENT CATEGORY	1990	2006	% Change
Manufacturing	14,359	12,132	-15.51%
Construction	4,417	5,161	16.85%
Natural Resources & Mining	146	187	28.31%
Service Providing	47,487	62,276	31.14%
Wholesale Trade	3,193	3,379	5.84%
Retail Trade	10,274	12,535	22.01%
Utilities	390	253	-35.04%
Transportation & Warehousing	1,909	2,334	22.28%
Information	2,090	2,322	11.10%
Finance & Insurance	3,479	3,492	0.38%
Real Estate, Rental & Leasing	987	1,231	24.76%
Professional, Scientific & Technical	3,905	6,086	55.84%
Educational Services	1,485	2,081	40.16%
Health Care & Social Assistance	8,167	13,072	60.06%
Arts, Entertainment & Recreation	967	1,676	73.29%
Accommodation & Food Services	6,786	7,371	8.63%
Other Services	2,206	2,749	24.63%
Total	112,247	138,340	23.25%

This chart illustrates the changes in employment by sector for Chittenden County between 1990 and 2006. The two sectors that exhibited the greatest negative change were Utilities and Manufacturing. The three sectors that exhibited the greatest positive change were Arts, Entertainment and Recreation, Health Care and Social Assistance and Professional Scientific and Technical Services. There has also been a substantial employment increase in the educational sector. This is potentially due to the growth in size of academic institutions such as The University of Vermont, Champlain College and St. Michael's College.



Total Manufacturing Employment (NAICS codes 31-33)

Source: *Burlington, Chittenden County:* Current Employment Statistics (CES) program produced by the Vermont Department of Labor, Labor Market Information in cooperation with the U.S. Bureau of Labor Statistics.

Vermont: cesvtnsa.xls Mar 6 07 Vermont, 1990-current

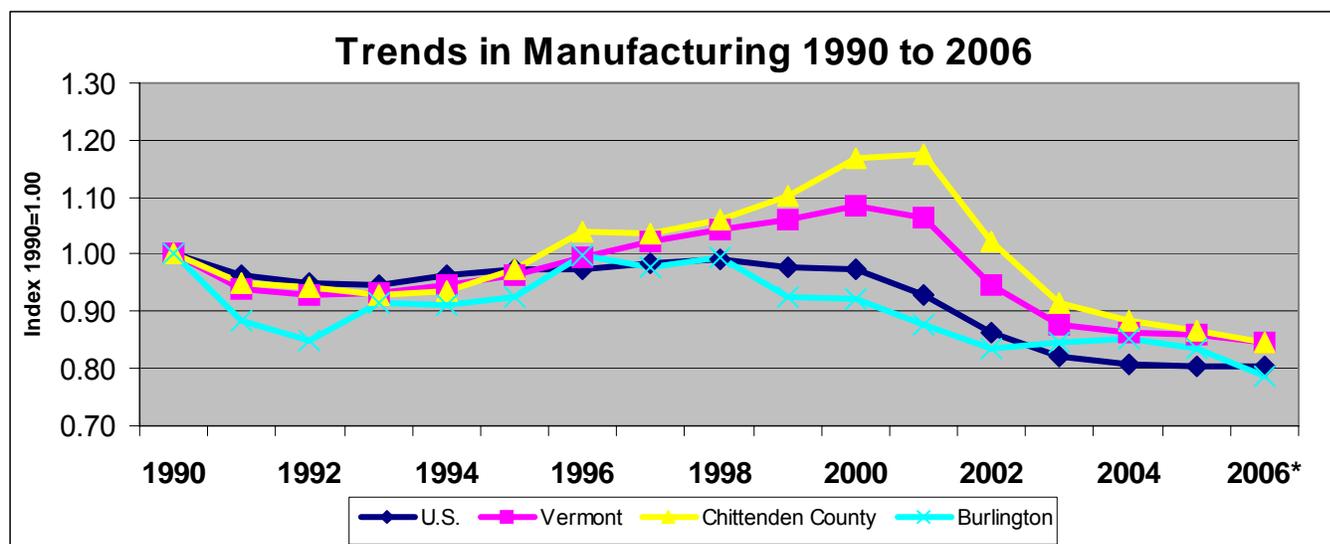
United States: <http://data.bls.gov/cgi-bin/surveymost?ce>

Note: Sector coding was changed in 1993 from SIC to NAICS codes. All data used from the Vermont Department of Labor website prior to 1993 has been converted to NAICS.

	VT	growth rate	Chittenden County	growth rate	Burlington	growth rate	U.S. (in 1000s)	growth rate
1990	42,800	1.00	14,359	1.00	2,244	1.00	17,695	1.00
1991	40,150	0.94	13,617	0.95	1,984	0.88	17,068	0.96
1992	39,750	0.93	13,538	0.94	1,909	0.85	16,799	0.95
1993	39,950	0.93	13,322	0.93	2,053	0.91	16,774	0.95
1994	40,450	0.95	13,440	0.94	2,046	0.91	17,021	0.96
1995	41,300	0.96	13,985	0.97	2,079	0.93	17,241	0.97
1996	42,650	1.00	14,938	1.04	2,242	1.00	17,237	0.97
1997	43,800	1.02	14,873	1.04	2,194	0.98	17,419	0.98
1998	44,650	1.04	15,227	1.06	2,229	0.99	17,560	0.99
1999	45,400	1.06	15,818	1.10	2,078	0.93	17,322	0.98
2000	46,400	1.08	16,759	1.17	2,072	0.92	17,263	0.98
2001	45,550	1.06	16,891	1.18	1,969	0.88	16,441	0.93
2002	40,550	0.95	14,658	1.02	1,871	0.83	15,259	0.86
2003	37,500	0.88	13,132	0.91	1,898	0.85	14,510	0.82
2004	36,950	0.86	12,694	0.88	1,915	0.85	14,315	0.81
2005	36,800	0.86	12,418	0.86	1,876	0.84	14,226	0.80
2006*	36,150	0.84	12,132	0.84	1,769	0.79	14,197	0.80

*NOTE: 2006 Data for Vermont, Chittenden County and Burlington is an average of quarters 1, 2 and 3 only

The trends in manufacturing for Vermont, Chittenden County, and Burlington, between 1990 and 2006, coincide with U.S. trends. However, despite similar ending points, Vermont and, particularly, Chittenden County deviates the most from the national trend. In 1993, the indices for all samples are the closest, with the U.S. slightly ahead. In 1995, Vermont and Chittenden County surpass the U.S. and experience positive growth until 2000/2001. The rise of computer technologies, in the context of a national tech bubble, possibly accounts for the widening gap. In 2000/2001, a national recession causes manufacturing on all fronts to decline. The most striking decline is in Chittenden County, but in the context of its overall economy, the movement is absorbed with employment moving into the service-providing sectors as will be seen on the following pages. While Chittenden County experiences a 28% decline in manufacturing between 2000 and 2006, there is only a 2% decline in total employment. The state of Vermont realizes a 22% decline in manufacturing, but a 2% increase in total employment during this period. Burlington experiences a 17% decline in manufacturing, and a 0.5% increase in total employment. Likewise, the U.S. experiences a 22% decline in manufacturing, but a 3% increase in total employment.



Service Sector Employment (NAICS codes 22, 42-81)

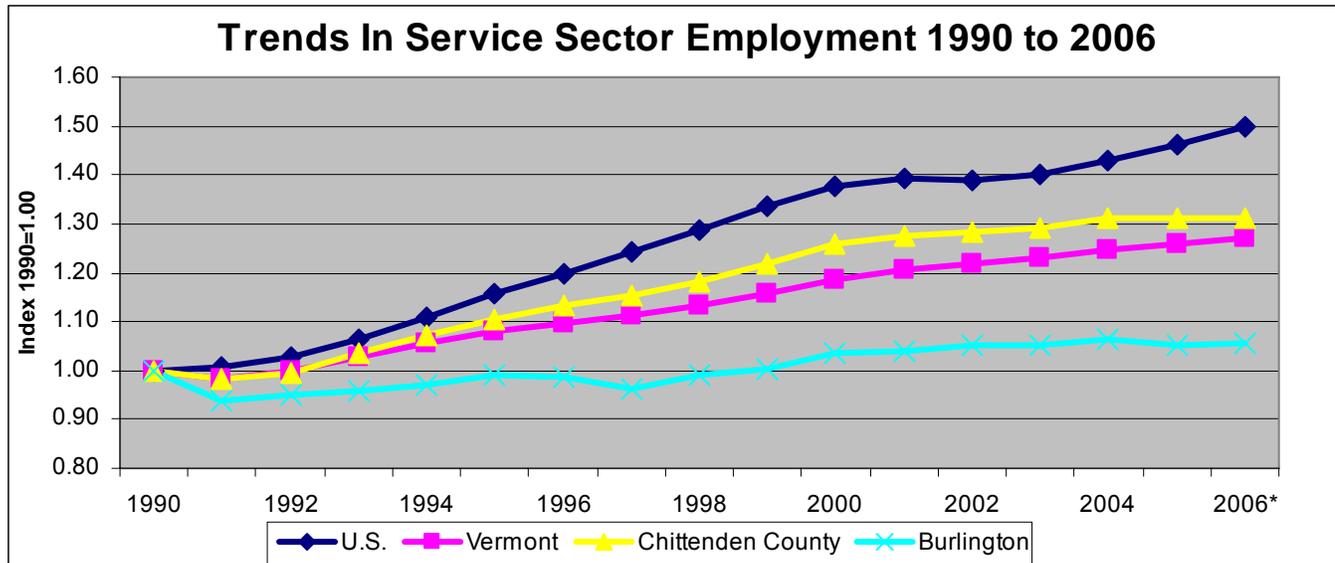
Source: Burlington, Chittenden County: Current Employment Statistics (CES) program produced by the Vermont Department of Labor, Labor Market Information in cooperation with the U.S. Bureau of Labor Statistics.
Vermont: cesvtnsa.xls Mar 6 07 Vermont, 1990-current
United States: <http://data.bls.gov/cgi-bin/surveymost?ce>

Note: Sector coding was changed in 1993 from SIC to NAICS codes. All data from the Vermont Department of Labor website prior to 1993 has been converted to NAICS.

	Vermont	growth rate	Chittenden County	growth rate	Burlington	growth rate	U.S. (in 1000s)	growth rate
1990	199,150	1.00	47,487	1.00	21,030	1.00	38069	1.00
1991	195,800	0.98	46,685	0.98	19,717	0.94	38402	1.01
1992	199,050	1.00	47,337	1.00	19,981	0.95	39179	1.03
1993	204,550	1.03	49,248	1.04	20,125	0.96	40548	1.07
1994	210,350	1.06	50,911	1.07	20,432	0.97	42247	1.11
1995	214,850	1.08	52,421	1.10	20,817	0.99	44049	1.16
1996	218,550	1.10	53,892	1.13	20,753	0.99	45552	1.20
1997	221,550	1.11	54,825	1.15	20,257	0.96	47349	1.24
1998	225,650	1.13	56,212	1.18	20,843	0.99	49019	1.29
1999	230,550	1.16	57,839	1.22	21,079	1.00	50804	1.33
2000	236,150	1.19	59,832	1.26	21,807	1.04	52436	1.38
2001	240,250	1.21	60,522	1.27	21,880	1.04	53044	1.39
2002	243,000	1.22	60,865	1.28	22,126	1.05	52928	1.39
2003	245,400	1.23	61,260	1.29	22,145	1.05	53337	1.40
2004	248,450	1.25	62,192	1.31	22,340	1.06	54368	1.43
2005	251,100	1.26	62,273	1.31	22,120	1.05	55598	1.46
2006*	253,150	1.27	62,276	1.31	22,200	1.06	57020	1.50

*NOTE: 2006 Data for Vermont, Chittenden County and Burlington is an average of quarters 1, 2 and 3 only.

Trends in service sector employment between 1990 and 2006 exhibit a general rise across all samples. Growth in Vermont, Chittenden County, and Burlington lag behind the growth rate of the total U.S. service sector employment. Burlington's slow service sector growth coincides with its relatively slow total employment and population growth during this period. In fact, the 6% growth in Burlington's service sector slightly outpaces its 5.5% growth in total employment. Vermont and Chittenden County both realize higher growth in service sector than their total employment. Vermont's service sector increases 27% compared to a 17% rise in total employment. Similarly, Chittenden County's service sector grows at 31%, compared to a 21% increase in total employment. The U.S. service sector has grown at roughly twice the pace of its total employment growth since 1990. Another interesting trend in service sector growth is the recent upward trajectory of the U.S. index compared to Vermont, Chittenden County, and Burlington. Between 2000-2003 all sources' growth begins to level off, but after 2003 the U.S. notably outpaces the others. Examination of the service sector as a percent of the total employment in each of the samples reveals a fascinating trend. In 2006, the portion of employment accounted for by the service sector in Vermont, Chittenden County, and Burlington is 70%, 66%, and 68% respectively. The percent of service sector jobs in the U.S. is currently around 41%.



Total Retail Employment (NAICS codes 44-45)

Source: Burlington, Chittenden County: Current Employment Statistics (CES) program produced by the Vermont Department of Labor, Labor Market Information in cooperation with the U.S. Bureau of Labor Statistics.

Vermont: cesvtnsa.xls Mar 6 07 Vermont, 1990-current

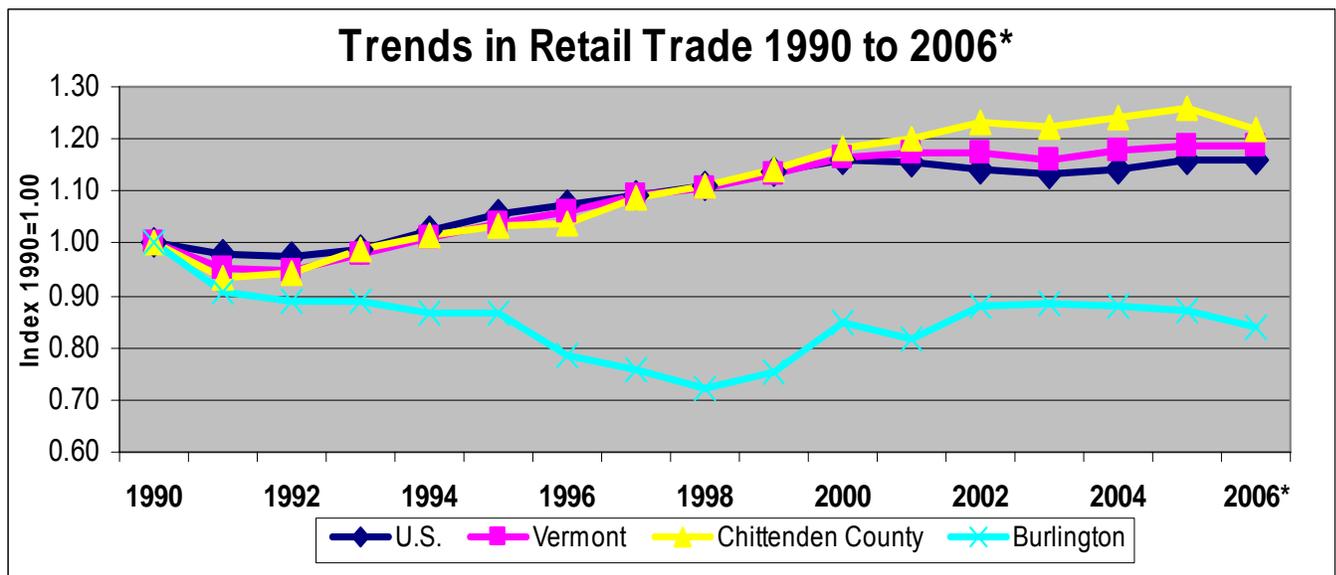
United States: <http://data.bls.gov/cgi-bin/surveymost?ce>

Note: Sector coding was changed in 1993 from SIC to NAICS codes. All data from the Vermont Department of Labor website prior to 1993 has been converted to NAICS.

	Vermont	growth rate	Chittenden County	growth rate	Burlington	growth rate	U.S. (in 1000s)	growth rate
1990	34,050	1.00	10,274	1.00	3,524	1.00	13,182	1.00
1991	32,350	0.95	9,617	0.94	3,194	0.91	12,896	0.98
1992	32,250	0.95	9,709	0.95	3,127	0.89	12,828	0.97
1993	33,400	0.98	10,142	0.99	3,139	0.89	13,021	0.99
1994	34,500	1.01	10,418	1.01	3,051	0.87	13,491	1.02
1995	35,400	1.04	10,603	1.03	3,048	0.86	13,897	1.05
1996	36,150	1.06	10,688	1.04	2,760	0.78	14,143	1.07
1997	37,200	1.09	11,165	1.09	2,674	0.76	14,389	1.09
1998	37,650	1.11	11,392	1.11	2,537	0.72	14,609	1.11
1999	38,600	1.13	11,720	1.14	2,656	0.75	14,970	1.14
2000	39,650	1.16	12,139	1.18	2,995	0.85	15,280	1.16
2001	39,900	1.17	12,325	1.20	2,877	0.82	15,239	1.16
2002	40,000	1.17	12,673	1.23	3,104	0.88	15,025	1.14
2003	39,500	1.16	12,571	1.22	3,111	0.88	14,917	1.13
2004	40,100	1.18	12,731	1.24	3,109	0.88	15,058	1.14
2005	40,450	1.19	12,918	1.26	3,073	0.87	15,280	1.16
2006*	40,400	1.19	12,535	1.22	2,963	0.84	15,319	1.16

*NOTE: 2006 Data for Vermont, Chittenden County and Burlington is an average of quarters 1, 2 and 3 only.

Trends in retail sector growth between 1990 and 2006 illustrate similar upward growth for the U.S., Vermont, and Chittenden County, but a counterintuitive decline in Burlington. The U.S., Vermont, and Chittenden County grow at a very similar pace from 1993 to 2000. Furthermore, between 1997 and 1999, the retail sector among these three samples grows at almost exactly the same rate. It is also interesting that in 1998 Burlington's retail sector bottoms-out at a 28% decline from 1990, while all other samples experience the same rate of positive growth. Consequently, 1998 marks the largest gap between Burlington's retail sector growth and that of the other three samples. Because tourism plays a major role in the Burlington economy, it might seem odd that the retail sector would decline. The likely explanation is that the NAICS classification system for retail trade excludes eating and drinking places and mobile foodservices.



Total Wholesale Employment (NAICS code 42)

Source: Burlington, Chittenden County: Current Employment Statistics (CES) program produced by the Vermont Department of Labor, Labor Market Information in cooperation with the U.S. Bureau of Labor Statistics.

Vermont: cesvtnsa.xls Mar 6 07 Vermont, 1990-current

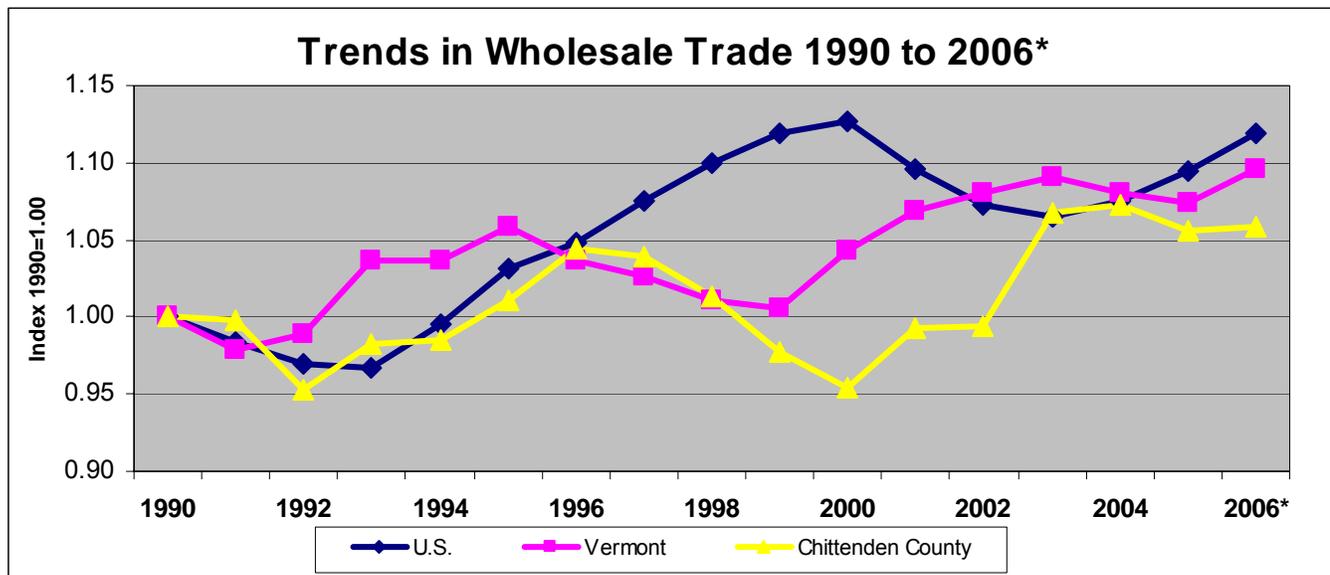
United States: <http://data.bls.gov/cgi-bin/surveymost?ce>

Note: Sector coding was changed in 1993 from SIC to NAICS codes. All data from the Vermont Department of Labor website prior to 1993 has been converted to NAICS.

	Vermont	growth rate	Chittenden County	growth rate	Burlington	U.S. (in 1000s)	growth rate
1990	9,400	1.00	3,193	1.00	844	5268.4	1.00
1991	9,200	0.98	3,186	1.00	833	5185.3	0.98
1992	9,300	0.99	3,043	0.95	N/A	5109.7	0.97
1993	9,750	1.04	3,138	0.98	N/A	5093.2	0.97
1994	9,750	1.04	3,144	0.98	766	5247.3	1.00
1995	9,950	1.06	3,227	1.01	N/A	5433.1	1.03
1996	9,750	1.04	3,335	1.04	N/A	5522	1.05
1997	9,650	1.03	3,319	1.04	N/A	5663.9	1.08
1998	9,500	1.01	3,237	1.01	N/A	5795.2	1.10
1999	9,450	1.01	3,122	0.98	N/A	5892.5	1.12
2000	9,800	1.04	3,048	0.95	N/A	5933.2	1.13
2001	10,050	1.07	3,170	0.99	N/A	5772.7	1.10
2002	10,150	1.08	3,176	0.99	N/A	5652.3	1.07
2003	10,250	1.09	3,408	1.07	N/A	5607.5	1.06
2004	10,150	1.08	3,426	1.07	N/A	5662.9	1.07
2005	10,100	1.07	3,370	1.06	N/A	5764.4	1.09
2006*	10,300	1.10	3,379	1.06	453	5897.6	1.12

*NOTE: 2006 Data for Vermont, Chittenden County and Burlington is an average of quarters 1, 2 and 3 only.

Trends in wholesale trade between 1990 and 2006 appear to show wildly fluctuating growth rates among the U.S., Vermont, and Chittenden County. Burlington is not included in the index graph due to a lack of available data for this time series. It is interesting to observe that each of the wholesale samples takes on very different growth patterns, but converge at 1996 and 2004. The period between 1996 and 2003 shows extreme variations between Chittenden County and the U.S. In 2000, the U.S. and Chittenden County data exhibit an inverse relationship in which the U.S. wholesale trade is at a peak while Chittenden County is at a trough. In the same year, Vermont's wholesale growth rate is exactly half-way between the other two samples. A key factor in interpreting this graph is the change in classification within the wholesale industry. The Bureau of Labor Statistics website (www.bls.gov/ppi/ppiwholesale.htm) cites 1997 and 2002 as years in which major structural changes occur in wholesale classification. With this in mind, the graph can provide valuable insight in the overall trajectory of all three samples.



Recent Employment Trends: Burlington Labor Market Area, 2005-2006.

Source: Quarterly Census of Employment and Wages (QCEW) program, Vermont Department of Labor, Economic & Labor Market Information Office

DESCRIPTION	1st Quarter 2005	1st Quarter 2006	Change	% Change
Total Employment	109,047	109,232	185	0.17%
Construction	4,617	4,632	16	0.34%
Manufacturing	12,410	12,041	-369	-2.98%
Trade, Transportation, & Utilities	18,780	18,481	-299	-1.59%
Financial Activities	4,720	4,710	-10	-0.21%
Professional & Business Services	9,611	9,731	120	1.25%
Education & Health Services	14,875	15,175	300	2.02%
Arts, Leisure and Hospitality	8,079	8,377	298	3.68%
Other Services	2,763	2,665	-98	-3.53%
Government	14,838	14,965	127	0.86%

Burlington Labor Market Area is described as the Burlington-South Burlington, VT Metropolitan (in New England, the city- and town-based areas, or NECTA). The following towns are included in the Burlington LMA: Bolton town, Buels gore, Burlington city, Cambridge town, Charlotte town, Colchester town, Duxbury town, Essex town, Fairfax town, Ferrisburg town, Fletcher town, Georgia town, Grand Isle town, Hinesburg town, Huntington town, Isle La Motte town, Jericho town, Milton town, Monkton town, North Hero town, Richmond town, Shelburne town, South Burlington city, South Hero town, St. Albans city, St. Albans town, St. George town, Starksboro town, Underhill town, Vergennes city, Westford town, Williston town, and Winooski city.

In the past year, the Burlington Labor Market Area has seen growth in the sectors that include the components associated with "Creative Economy" with increases in professional and Business Services (NAICS 54-56), Education and Health Services (NAICS 60-61) and Arts, Leisure and Hospitality (NAICS 71-72).

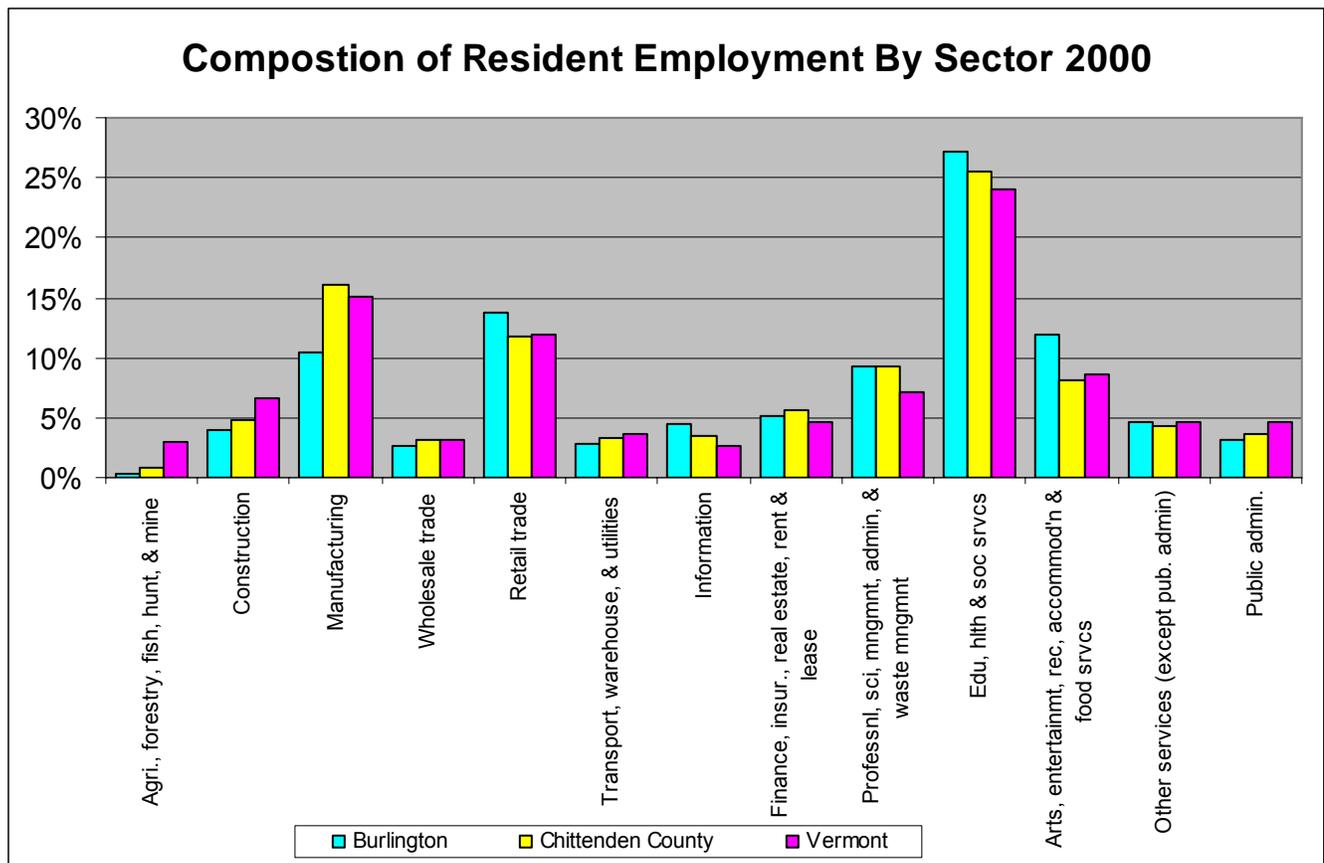
Manufacturing (NAICS 31-33), Trade, Transport and Utilities (NAICS 22, 42-49) and Other Service (NAICS 81) sectors have decreased in size.

Composition of Resident Employment by Sector: 2000.

Source: U.S. Census Bureau, 2000 Census DP-3

DESCRIPTION	Burlington		Chittenden County		Vermont	
	Count	Percentage	Count	Percentage	Count	Percentage
Employed Persons 16yrs. & over	21,335	100.00%	80,787	100.0%	317,134	100.00%
Agri., forestry, fishing and hunting, & mining	68	0.30%	649	0.8%	9,643	3.00%
Construction	850	4.00%	3,852	4.8%	21,155	6.70%
Manufacturing	2,242	10.50%	12,938	16.0%	47,767	15.10%
Wholesale trade	568	2.70%	2,592	3.2%	9,901	3.10%
Retail trade	2,949	13.80%	9,534	11.8%	38,027	12.00%
Transportation and warehousing, & utilities	614	2.90%	2,671	3.3%	11,783	3.70%
Information	945	4.40%	2,781	3.4%	8,425	2.70%
Finance, insurance, real estate, rental & leasing	1,086	5.10%	4,556	5.6%	14,819	4.70%
Professional, scientific and Technical services	1,990	9.30%	7,521	9.3%	22,437	7.10%
Educational, health and social services	5,798	27.20%	20,663	25.6%	76,381	24.10%
Arts, entertnmt., rec., accommodation & food svcs	2,551	12.00%	6,569	8.1%	27,237	8.60%
Other services (except public administration)	997	4.70%	3,486	4.3%	14,963	4.70%
Public administration	677	3.20%	2,975	3.7%	14,596	4.60%

The table above explores the composition of employment by residents living in Burlington, Chittenden County and Vermont. The data in the previous tables has been establishment-based. A table in the next chapter disaggregates this data by gender for Burlington. For all three regions, Manufacturing, Retail, Education, Health and Social Services are the largest sectors for resident employment.



Personal Income Growth, 1990-2005.

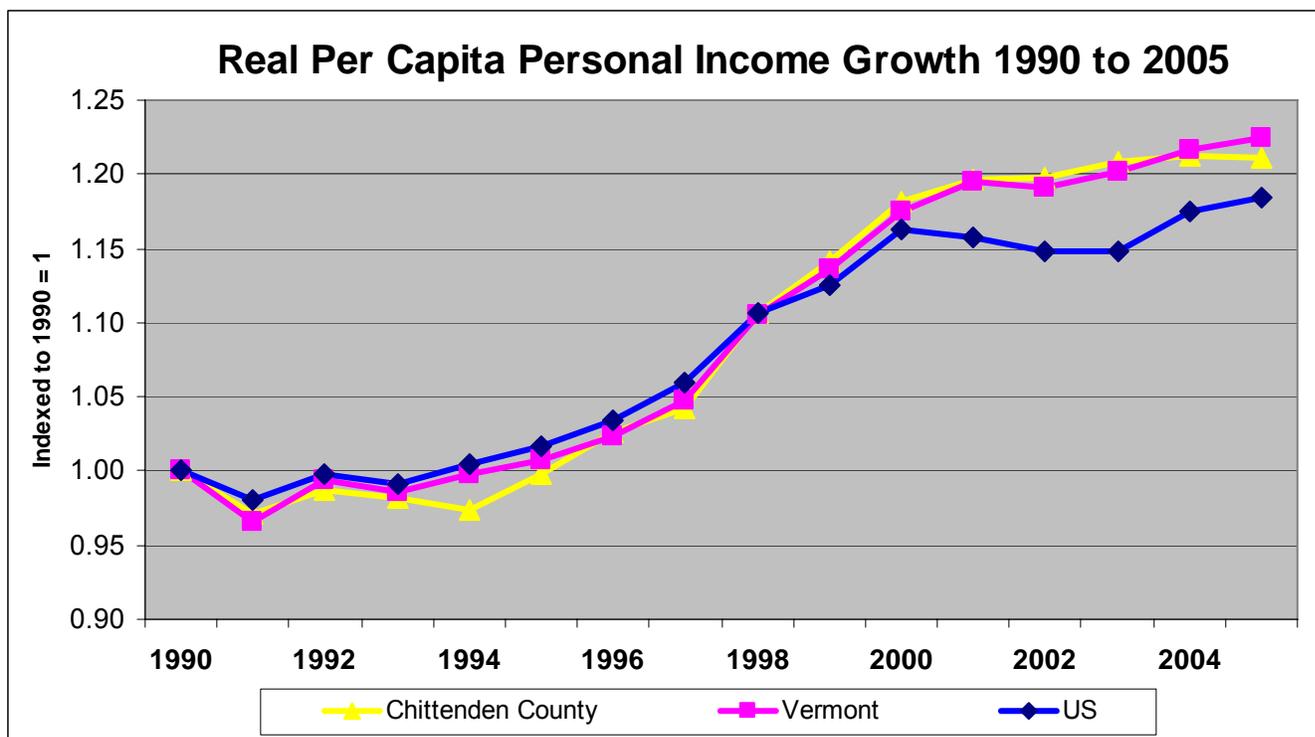
Per Capita Personal Income Growth 1990 to 2005

Source: Regional Economic Information System Bureau of Economic Analysis
 US Department of Commerce Bureau of Economic Analysis Personal Income Summary Data Table CA04

	CPI	Chittenden County			Vermont			U.S.		
		Nominal	Real*	growth rate	Nominal	Real*	growth rate	Nominal	Real*	growth rate
1990	130.7	\$20,710	\$31,945	1.00	\$17,876	\$27,574	1.00	\$19,477	\$30,043	1.00
1991	136.2	\$20,960	\$31,024	.97	\$17,985	\$26,621	.97	\$19,892	\$29,443	.98
1992	140.3	\$21,953	\$31,546	.99	\$19,065	\$27,396	.99	\$20,854	\$29,967	1.00
1993	144.5	\$22,477	\$31,357	.98	\$19,485	\$27,183	.99	\$21,346	\$29,780	.99
1994	148.2	\$22,873	\$31,115	.97	\$20,226	\$27,515	1.00	\$22,172	\$30,162	1.00
1995	152.4	\$24,091	\$31,866	1.00	\$21,002	\$27,780	1.01	\$23,076	\$30,524	1.02
1996	156.9	\$25,492	\$32,758	1.03	\$21,964	\$28,224	1.02	\$24,175	\$31,065	1.03
1997	160.5	\$26,502	\$33,290	1.04	\$23,002	\$28,893	1.05	\$25,334	\$31,823	1.06
1998	163	\$28,573	\$35,341	1.11	\$24,629	\$30,463	1.10	\$26,883	\$33,250	1.11
1999	166.6	\$30,139	\$36,470	1.14	\$25,881	\$31,318	1.14	\$27,939	\$33,808	1.13
2000	172.2	\$32,237	\$37,739	1.18	\$27,678	\$32,402	1.18	\$29,843	\$34,937	1.16
2001	177.1	\$33,588	\$38,233	1.20	\$28,948	\$32,952	1.20	\$30,562	\$34,789	1.16
2002	179.7	\$34,147	\$38,264	1.20	\$29,292	\$32,824	1.19	\$30,795	\$34,508	1.15
2003	184	\$35,236	\$38,606	1.21	\$30,247	\$33,140	1.20	\$31,466	\$34,476	1.15
2004	188.9	\$36,299	\$38,740	1.21	\$31,442	\$33,556	1.22	\$33,090	\$35,315	1.18
2005	195.3	\$37,501	\$38,709	1.21	\$32,717	\$33,771	1.22	\$34,471	\$35,581	1.18
2006	201.6									

*NOTE: Income listed as real 2006 dollars

Real income growth increased steadily through the late 1990s. Since the overall U.S. economy slowed in 2001, real wages have stagnated at the U.S. level. Modest growth in real wages did continue in Vermont and Chittenden County.



Employment Growth in Chittenden County, by Town: 1990, 2000, 2005.

Source: Vermont Department of Labor, Economic and Labor Market Information
Employment and Wages Report.

Average Annual Employment, 1990, 2000, 2005					
				Average Annual Growth	
	1990	2000	2005	1990-2000	2000-2005
Bolton	199	211	64	0.6%	-13.9%
Burlington	30,801	31,493	32,498	0.2%	0.6%
Charlotte	437	566	485	3.0%	-2.9%
Colchester	4,915	8,562	8,438	7.4%	-0.3%
Essex	13,295	15,672	12,414	1.8%	-4.2%
Hinesburg	860	854	1,086	-0.1%	5.4%
Huntington	91	188	159	10.7%	-3.1%
Jericho	538	700	717	3.0%	0.5%
Milton	1,390	2,366	2,476	7.0%	0.9%
Richmond	777	1,004	1,083	2.9%	1.6%
St. George	18	42	54	13.3%	5.7%
Shelburne	2,528	3,362	3,272	3.3%	-0.5%
S. Burlington	13,545	17,469	17,856	2.9%	0.4%
Underhill	312	289	359	-0.7%	4.8%
Westford	91	195	234	11.4%	4.0%
Williston	4,578	9,724	11,047	11.2%	2.7%
Winooski	3,171	2,657	2,557	-1.6%	-0.8%
Chittenden Co.	77,548	95,354	94,799	2.3%	-0.1%

Bolton had the biggest decline in employment from 2000-05 but the largest increase in average wages over that same time period. Clearly, the employment Bolton lost must have consisted primarily of lower than average wage jobs.

Williston more than doubled their employment during the period from 1990-2005 with double-digit average annual growth in the 1990s that has leveled off in the last 5 years. South Burlington has seen modest growth while Essex's employment base has decreased from 1990.

Wage Growth in Chittenden County, by Town: 1990, 2000, 2005.

Source: Vermont Department of Labor, Economic and Labor Market Information
Employment and Wages Report.

Note: Data in this table is in nominal dollars. The average annual percentage change in the CPI can be compared to the average annual change in wages to determine if nominal wages increases have kept up with inflation.

Average Annual Wages**, 1990, 2000, 2005					
				Avg. Annual Growth	
	1990	2000	2005	1990-2000	2000-2005
CPI*	130.7	172.2	195.3	3.2%	2.7%
Bolton	\$13,679	\$16,604	\$26,864	2.1%	12.4%
Burlington	\$22,948	\$33,835	\$40,240	4.7%	3.8%
Charlotte	\$19,927	\$29,477	\$37,433	4.8%	5.4%
Colchester	\$22,080	\$31,395	\$39,282	4.2%	5.0%
Essex	\$35,351	\$46,147	\$53,191	3.1%	3.1%
Hinesburg	\$21,107	\$24,356	\$32,868	1.5%	7.0%
Huntington	\$19,378	\$27,351	\$34,712	4.1%	5.4%
Jericho	\$17,908	\$26,052	\$30,407	4.5%	3.3%
Milton	\$18,964	\$30,324	\$35,737	6.0%	3.6%
Richmond	\$15,318	\$23,371	\$31,754	5.3%	7.2%
St. George	\$15,170	\$18,959	\$22,678	2.5%	3.9%
Shelburne	\$19,433	\$25,234	\$30,287	3.0%	4.0%
S. Burlington	\$20,248	\$32,184	\$36,560	5.9%	2.7%
Underhill	\$19,648	\$26,589	\$46,656	3.5%	15.1%
Westford	\$17,789	\$21,085	\$25,378	1.9%	4.1%
Williston	\$23,571	\$33,255	\$36,274	4.1%	1.8%
Winooski	\$19,110	\$27,496	\$34,389	4.4%	5.0%
Chittenden Co.	\$24,044	\$34,327	\$39,766	4.3%	3.2%

In contrast to Bolton, Williston has had rapid employment growth but below average annual wage growth. Williston's employment growth has mainly been due to retail growth, a sector with relatively low wages. In fact, as you can see above, during the last 5 years, Williston's real average annual wage growth has been negative (the 1.8% nominal wage growth is less than the average annual rate of inflation of 2.7%).

Strong annual average wage growth during the last 5 years can be seen in Richmond, Underhill and Hinesburg. A brief note on data, the table and chart on page 23 show per capita *income*. This table and the next several tables show annual average *wage* data.

Average Annual Wage by Industry, Chittenden County, 1990-2005.

Source: Chittenden County: Quarterly Census of Employment and Wages (QCEW) program, VT Department of Labor, Economic & Labor Market Information Office, Covered Employment and Wages.
www.vtlmi.info/indareanaics.cfm

Note: Sector coding was changed in 1993 from SIC to NAICS codes. All data from the Vermont Department of Labor website prior to 1993 has been converted to NAICS.

Nominal Average Annual Wage, Chittenden County 1990 to 2005								
	1990	1991	1992	1993	1994	1995	1996	1997
Agriculture/Forestry	\$14,855	\$13,595	\$14,867	\$14,785	\$12,435	\$10,755	\$12,663	\$14,392
Mining	\$40,744	\$38,349	\$48,763	\$46,544	\$34,775	\$38,925	\$34,809	\$39,426
Construction	\$24,819	\$25,507	\$25,767	\$25,892	\$27,462	\$28,526	\$29,187	\$30,548
Manufacturing	\$37,704	\$39,793	\$40,649	\$42,312	\$40,296	\$41,486	\$43,052	\$45,200
Retail Trade	\$14,509	\$15,072	\$15,869	\$16,119	\$16,643	\$17,141	\$17,240	\$18,003
Transport./Warehousing	\$21,643	\$22,690	\$23,209	\$23,412	\$23,913	\$24,384	\$26,347	\$27,891
Utilities	\$36,329	\$37,980	\$40,880	\$42,066	\$43,573	\$45,367	\$48,263	\$49,348
Information	\$26,636	\$27,631	\$28,568	\$29,045	\$29,865	\$30,520	\$31,066	\$32,496
Financial Activities	\$24,761	\$26,066	\$28,222	\$30,162	\$29,474	\$30,878	\$33,358	\$35,135
Professional/Business Svcs	\$26,879	\$26,723	\$28,006	\$27,710	\$25,888	\$27,824	\$30,203	\$31,436
Education/Health Services	\$21,380	\$22,530	\$23,815	\$24,311	\$24,741	\$26,229	\$26,524	\$27,806
Art, Entertainment & Rec	\$9,668	\$10,557	\$10,991	\$11,233	\$12,804	\$13,482	\$14,179	\$15,388
PRIVATE EMPLOYMENT	\$23,761	\$24,793	\$25,702	\$26,170	\$25,894	\$26,970	\$28,221	\$29,484
Government	\$25,731	\$26,466	\$27,112	\$28,547	\$28,628	\$28,914	\$30,752	\$32,076
TOTAL EMPLOYMENT	\$24,044	\$25,046	\$25,917	\$26,517	\$26,283	\$27,245	\$28,570	\$29,840

	1998	1999	2000	2001	2002	2003	2004	2005
Agriculture/Forestry	\$15,270	\$16,088	\$16,421	\$17,127	\$18,178	\$20,064	\$20,933	\$20,421
Mining	\$40,870	\$42,038	\$43,642	\$43,236	\$43,809	\$47,576	\$47,180	\$54,916
Construction	\$32,304	\$34,391	\$37,118	\$38,828	\$38,497	\$38,994	\$40,164	\$41,774
Manufacturing	\$47,277	\$47,946	\$50,344	\$53,295	\$56,222	\$57,754	\$58,888	\$60,544
Retail Trade	\$19,024	\$19,889	\$20,696	\$21,529	\$22,045	\$22,790	\$23,620	\$23,836
Transport./Warehousing	\$28,658	\$31,005	\$35,621	\$33,649	\$32,609	\$33,204	\$33,879	\$34,935
Utilities	\$52,882	\$58,816	\$64,941	\$60,779	\$60,181	\$65,582	\$71,642	\$77,067
Information	\$34,769	\$37,534	\$40,102	\$42,831	\$43,343	\$44,666	\$46,763	\$47,376
Financial Activities	\$38,273	\$39,549	\$43,461	\$45,799	\$47,770	\$51,908	\$53,519	\$57,478
Profess./Business Services	\$33,887	\$35,387	\$37,303	\$38,984	\$40,032	\$41,886	\$43,345	\$45,005
Art, Entertainment & Rec.	\$16,850	\$15,784	\$17,749	\$13,554	\$14,253	\$14,792	\$17,541	\$17,053
Education/Health Services	\$28,456	\$31,141	\$31,624	\$31,499	\$33,377	\$34,226	\$35,282	\$37,455
PRIVATE EMPLOYMENT	\$31,155	\$32,581	\$34,354	\$35,539	\$36,182	\$37,114	\$38,118	\$39,501
Government	\$33,893	\$34,952	\$34,163	\$36,109	\$37,477	\$39,225	\$40,174	\$41,208
TOTAL EMPLOYMENT	\$31,517	\$32,896	\$34,327	\$35,618	\$36,370	\$37,432	\$38,433	\$39,766

Average Annual Wage by Industry, Chittenden County, 1990-2005.

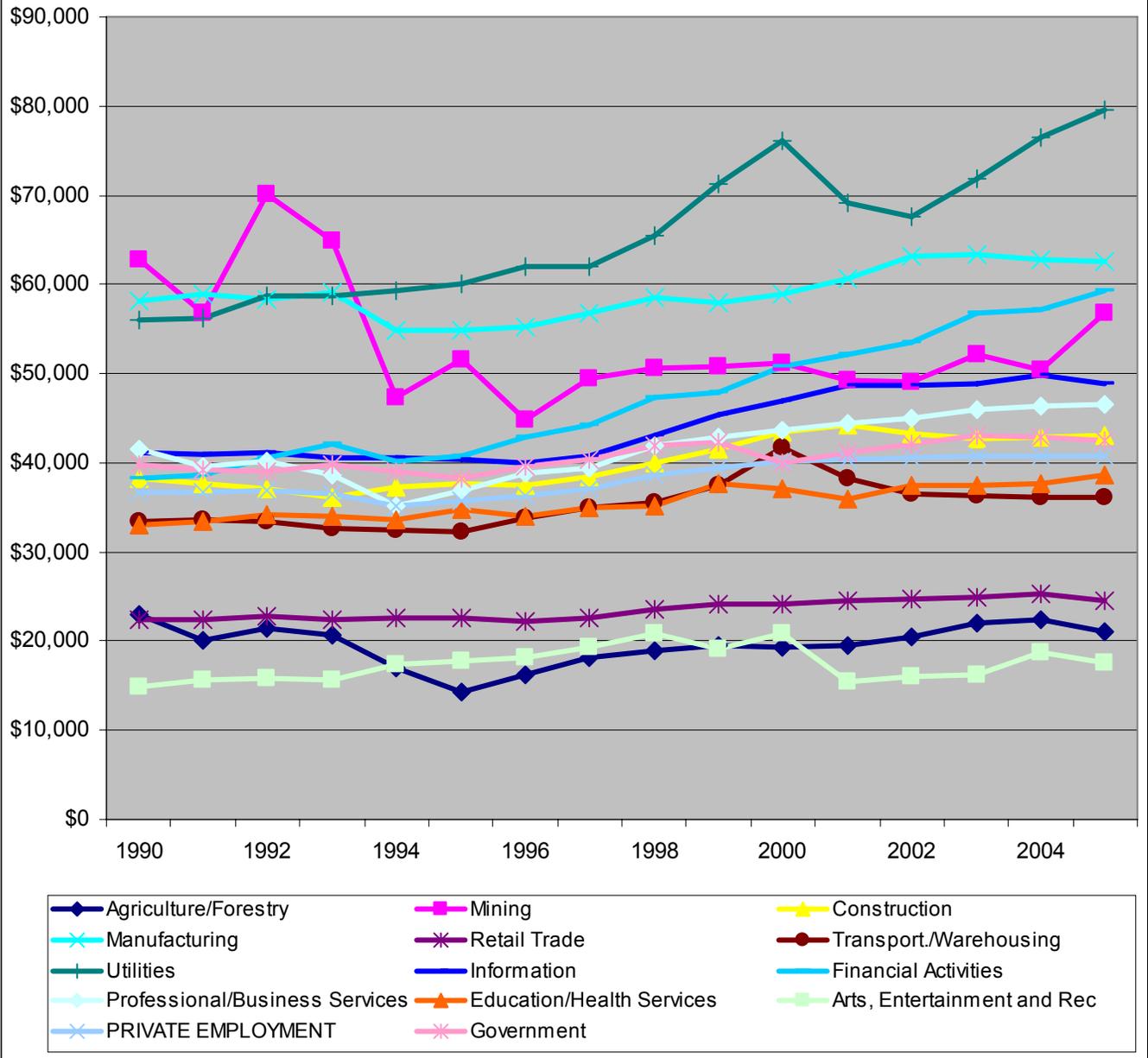
Source: Chittenden County: Quarterly Census of Employment and Wages (QCEW) program, VT Department of Labor, Economic & Labor Market Information Office, Covered Employment and Wages. www.vtlmi.info/indareanaics

Note: Sector coding was changed in 1993 from SIC to NAICS codes. All data from the Vermont Department of Labor website prior to 1993 has been converted to NAICS. Real wages are in 2006 dollars.

Real Average Annual Wage, Chittenden County 1990 to 2005								
	1990	1991	1992	1993	1994	1995	1996	1997
Agriculture/Forestry	\$22,913	\$20,123	\$21,363	\$20,627	\$16,916	\$14,227	\$16,271	\$18,077
Mining	\$62,846	\$56,763	\$70,069	\$64,936	\$47,305	\$51,491	\$44,726	\$49,522
Construction	\$38,282	\$37,755	\$37,025	\$36,123	\$37,357	\$37,735	\$37,502	\$38,371
Manufacturing	\$58,157	\$58,901	\$58,409	\$59,032	\$54,816	\$54,879	\$55,317	\$56,775
Retail Trade	\$22,380	\$22,309	\$22,802	\$22,489	\$22,640	\$22,675	\$22,152	\$22,613
Transport./Warehousing	\$33,384	\$33,585	\$33,349	\$32,663	\$32,529	\$32,256	\$33,853	\$35,033
Utilities	\$56,036	\$56,217	\$58,741	\$58,689	\$59,273	\$60,013	\$62,013	\$61,985
Information	\$41,085	\$40,899	\$41,050	\$40,522	\$40,626	\$40,373	\$39,917	\$40,817
Financial Activities	\$38,193	\$38,582	\$40,553	\$42,081	\$40,094	\$40,846	\$42,862	\$44,132
Profess/Business Services	\$41,460	\$39,555	\$40,242	\$38,660	\$35,216	\$36,807	\$38,808	\$39,486
Education/Health Services	\$32,978	\$33,348	\$34,220	\$33,918	\$33,656	\$34,697	\$34,081	\$34,926
Arts, Entertainment & Rec.	\$14,913	\$15,626	\$15,793	\$15,672	\$17,418	\$17,834	\$18,219	\$19,328
PRIVATE EMPLOYMENT	\$36,650	\$36,698	\$36,932	\$36,511	\$35,224	\$35,677	\$36,261	\$37,034
Government	\$36,689	\$39,174	\$38,958	\$39,828	\$38,943	\$38,248	\$39,513	\$40,290
TOTAL EMPLOYMENT	\$37,087	\$37,072	\$37,241	\$36,995	\$35,753	\$36,041	\$36,709	\$37,481
CPI	130.7	136.2	140.3	144.5	148.2	152.4	156.9	160.5

	1998	1999	2000	2001	2002	2003	2004	2005
Agriculture/Forestry	\$18,886	\$19,468	\$19,225	\$19,496	\$20,393	\$21,983	\$22,340	\$21,080
Mining	\$50,548	\$50,870	\$51,093	\$49,217	\$49,148	\$52,127	\$50,352	\$56,687
Construction	\$39,954	\$41,616	\$43,455	\$44,199	\$43,189	\$42,724	\$42,864	\$43,122
Manufacturing	\$58,473	\$58,019	\$58,939	\$60,668	\$63,074	\$63,278	\$62,847	\$62,497
Retail Trade	\$23,529	\$24,067	\$24,229	\$24,507	\$24,732	\$24,970	\$25,208	\$24,605
Transport./Warehousing	\$35,444	\$37,519	\$41,703	\$38,304	\$36,583	\$36,380	\$36,157	\$36,062
Utilities	\$65,405	\$71,172	\$76,028	\$69,187	\$67,515	\$71,855	\$76,459	\$79,553
Information	\$43,003	\$45,419	\$46,949	\$48,756	\$48,625	\$48,938	\$49,907	48,404
Financial Activities	\$47,336	\$47,858	\$50,881	\$52,135	\$53,592	\$56,873	\$57,117	\$59,332
Profess/Business Services	\$41,912	\$42,821	\$43,672	\$44,377	\$44,911	\$45,892	\$46,259	\$46,457
Education/Health Services	\$35,195	\$37,683	\$37,023	\$35,857	\$37,445	\$37,500	\$37,654	\$38,663
Arts, Entertainment & Rec.	\$20,840	\$19,100	\$20,779	\$15,429	\$15,990	\$16,207	\$18,720	\$17,603
PRIVATE EMPLOYMENT	\$38,533	\$39,426	\$40,029	\$40,455	\$40,591	\$40,664	\$40,681	\$40,775
Government	\$41,919	\$42,295	\$39,996	\$41,104	\$42,044	\$42,977	\$42,875	\$42,537
TOTAL EMPLOYMENT	\$38,981	\$39,807	\$40,188	\$40,545	\$40,802	\$41,012	\$41,017	\$41,049
CPI	163	166.6	172.2	177.1	179.7	184	188.9	195.3

Real Average Wage*, Chittenden County



Real wages are lowest in Arts, Entertainment and Recreation (NAICS 71) and in Agriculture/Forestry (NAICS 11). This is important to note as Burlington and the region are interested in expanding the role that arts and sustainable agriculture play in the local economy. The retail sector also has low relative wages. On the other hand, Information and Professional/Business Services have above average wages and are also sectors that Burlington is interested in targeting as components of its growing creative economy.

Utilities has had the strongest real wage growth but, as seen on page 14, this sector is very small. Financial sectors (NAICS 52-53) have had the largest real wage growth over the period (55.35%). Wages in the Arts, Entertainment and Recreation sector (NAICS 71) have increased by 18% and in the Information sector by 19% over the period. Agriculture (NAICS 11) has seen a 8% decrease in real wages from 1990-2005.

For more on real wage growth trends, the tables and chart on the following two pages provide more detail on the trajectory of wages trends for six significant sectors.

Wage Growth by Sector: Chittenden County, 1990-2005.

Source: Vermont Department of Labor, Economic & Labor Market Information , www.vtlni.info/indareanaics.cfm

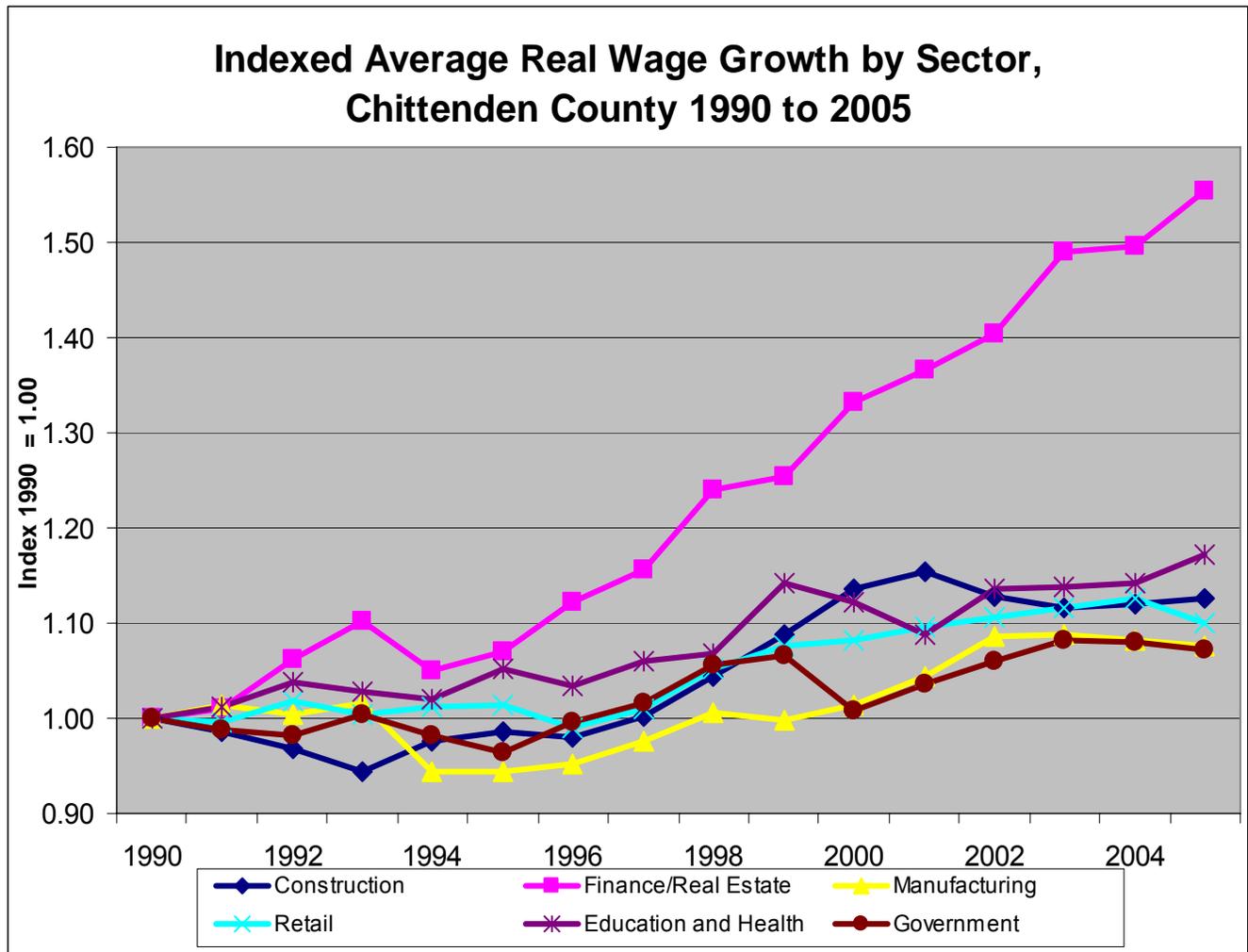
Note: Sector coding was changed in 1993 from SIC to NAICS codes. All data from the Vermont Department of Labor website prior to 1993 has been converted to NAICS.

*Note: Income listed in real 2006 dollars. See previous table for nominal data.

Average Annual Real Wages by Sector*, Chittenden County 1990 to 2005						
	Construction	Finance/Real Estate	Manufacturing	Retail	Education & Health	Government
1990	\$38,282	\$38,193	\$58,127	\$22,380	\$32,978	\$39,689
1991	\$37,755	\$38,582	\$58,901	\$22,309	\$33,348	\$39,174
1992	\$37,025	\$40,553	\$58,409	\$22,802	\$34,220	\$38,958
1993	\$36,123	\$42,081	\$59,032	\$22,489	\$33,918	\$39,828
1994	\$37,357	\$40,094	\$54,816	\$22,640	\$33,656	\$38,943
1995	\$37,735	\$40,846	\$54,879	\$22,675	\$34,697	\$38,248
1996	\$37,502	\$42,862	\$55,317	\$22,152	\$34,081	\$39,513
1997	\$38,371	\$44,132	\$56,775	\$22,613	\$34,926	\$40,290
1998	\$39,954	\$47,336	\$48,473	\$23,529	\$35,195	\$41,919
1999	\$41,616	\$47,858	\$58,019	\$24,067	\$37,683	\$42,295
2000	\$43,455	\$50,881	\$58,939	\$24,229	\$37,023	\$39,996
2001	\$44,199	\$52,135	\$60,668	\$24,507	\$35,857	\$41,104
2002	\$43,189	\$53,592	\$63,074	\$24,732	\$37,445	\$42,044
2003	\$42,724	\$56,873	\$63,278	\$24,970	\$37,500	\$42,977
2004	\$42,864	\$57,117	\$62,847	\$25,208	\$37,654	\$42,875
2005	\$43,122	\$59,332	\$62,497	\$24,605	\$38,663	\$42,537

Indexed Average Annual Real Wage Growth by Sector, Chittenden County 1990 to 2005						
	Construction	Finance/Real Estate	Manufacturing	Retail	Education & Health	Government
1990	1.00	1.00	1.00	1.00	1.00	1.00
1991	.99	1.01	1.01	1.00	1.01	.99
1992	.97	1.06	1.00	1.02	1.04	.98
1993	.94	1.10	1.02	1.00	1.03	1.00
1994	.98	1.05	.94	1.01	1.02	.98
1995	.99	1.07	.94	1.01	1.05	.96
1996	.98	1.12	.95	.99	1.03	1.00
1997	1.00	1.16	.98	1.01	1.06	1.02
1998	1.04	1.24	1.01	1.05	1.07	1.06
1999	1.09	1.25	1.00	1.08	1.14	1.07
2000	1.14	1.33	1.01	1.08	1.12	1.01
2001	1.15	1.37	1.04	1.10	1.09	1.04
2002	1.13	1.40	1.09	1.11	1.14	1.06
2003	1.12	1.49	1.09	1.12	1.14	1.08
2004	1.12	1.50	1.08	1.13	1.14	1.08
2005	1.13	1.55	1.08	1.10	1.17	1.07

Wage Growth by Sector: Chittenden County, 1990-2005.



The finance and real estate sector has enjoyed very strong real wage growth (55%) even through the soft economy of the last 5 years. The wage growth in finance/real estate sector is more than triple the average wage growth in the other 5 sectors featured in this table. Real wage growth in the other five sectors shown above ranges from 7% to 17%.

Composition of Earnings: Chittenden County 1990-2005.

Source: Vermont, Chittenden County, Burlington: Quarterly Census of Employment and Wages (QCEW) program, VT Department of Labor, Economic & Labor Market Information Office, Covered Employment and Wages
www.vtlmi.info/indareanaics.cfm

NOTE: Sector coding was changed in 1993 from SIC to NAICS codes. All data from the Vermont Department of Labor website prior to 1993 has been converted to NAICS.

*Data is in 1000s of nominal dollars

Total Private Earnings* by Sector, Chittenden County 1990 to 2005										
	Construc- tion	Informa- tion	Financial Activities	Manufac- turing	Retail	Prof. & Tech. Svc.	Arts, Entmnt. & Rec.	Services	Wholesale	Total Private Income
1990	\$109,626	\$55,672	\$110,577	\$541,405	\$149,069	\$126,362	\$9,352	\$923,742	\$89,420	\$1,577,930
1991	\$94,072	\$58,937	\$113,176	\$541,850	\$144,949	\$126,265	\$10,354	\$951,333	\$91,594	\$1,590,251
1992	\$91,304	\$62,328	\$120,215	\$550,324	\$154,083	\$134,147	\$10,537	\$1,014,400	\$91,809	\$1,659,322
1993	\$98,423	\$66,568	\$131,224	\$563,692	\$163,474	\$136,564	\$11,750	\$1,075,422	\$94,385	\$1,740,809
1994	\$110,660	\$66,781	\$134,021	\$541,590	\$173,377	\$137,007	\$13,346	\$1,120,050	\$97,862	\$1,775,524
1995	\$122,561	\$71,551	\$143,353	\$580,158	\$181,744	\$150,765	\$15,545	\$1,206,943	\$104,923	\$1,913,075
1996	\$128,867	\$80,625	\$154,618	\$643,107	\$184,253	\$175,387	\$16,209	\$1,297,627	\$114,709	\$2,073,104
1997	\$139,984	\$85,988	\$166,192	\$672,257	\$200,998	\$189,407	\$18,370	\$1,380,131	\$117,709	\$2,196,296
1998	\$156,160	\$99,896	\$155,190	\$719,910	\$216,719	\$217,865	\$21,098	\$1,502,735	\$121,446	\$2,383,025
1999	\$178,845	\$94,585	\$196,260	\$758,415	\$233,091	\$249,720	\$20,706	\$1,634,495	\$121,829	\$2,576,042
2000	\$196,894	\$106,294	\$177,071	\$843,688	\$251,236	\$284,467	\$26,441	\$1,775,667	\$127,922	\$2,820,694
2001	\$200,901	\$110,772	\$189,595	\$900,227	\$265,354	\$293,176	\$21,003	\$1,837,066	\$142,529	\$2,943,110
2002	\$181,618	\$109,730	\$201,421	\$824,069	\$279,376	\$292,022	\$23,063	\$1,900,282	\$145,677	\$2,910,910
2003	\$189,855	\$110,425	\$219,707	\$758,409	\$286,507	\$308,499	\$23,195	\$1,995,519	\$160,854	\$2,948,565
2004	\$212,799	\$113,586	\$223,894	\$747,525	\$300,703	\$326,745	\$27,341	\$2,098,126	\$167,695	\$3,063,257
2005	\$217,775	\$112,351	\$236,181	\$751,832	\$307,922	\$349,126	\$27,193	\$2,188,742	\$175,223	\$3,163,371

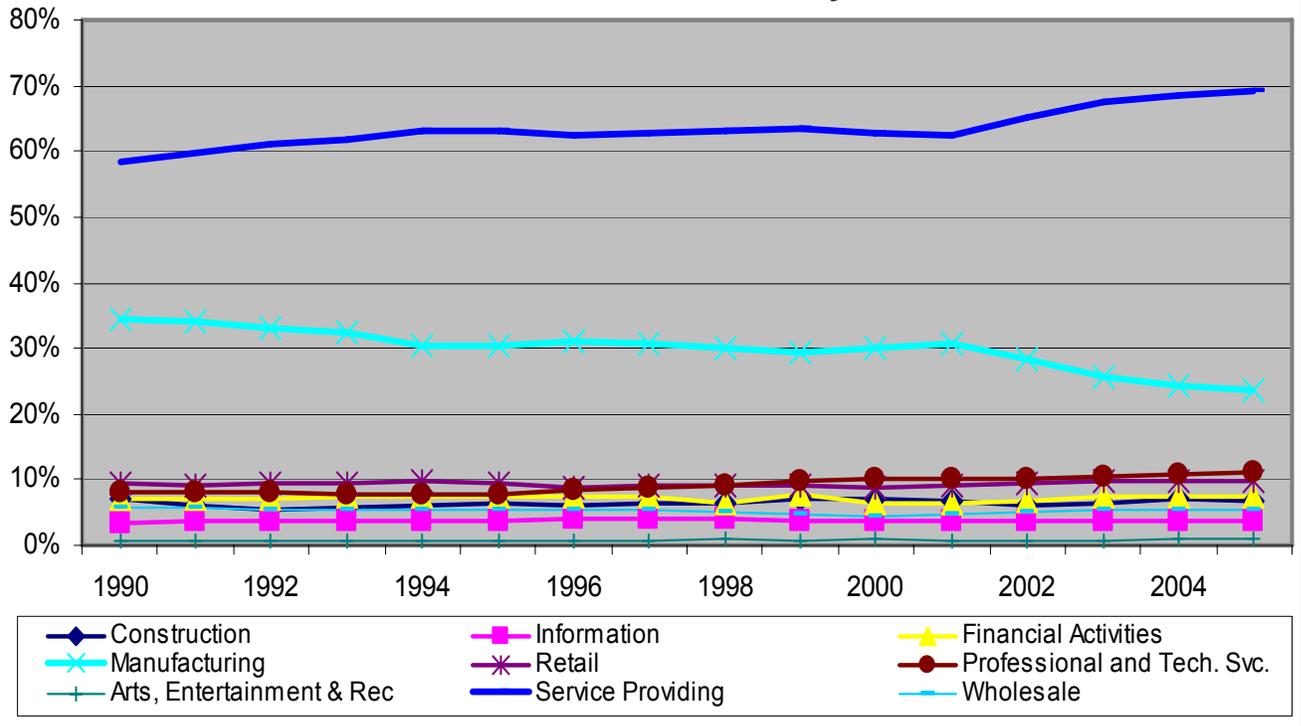
Composition of Earnings: Chittenden County 1990-2005.

Private Earnings by Sector as % of Total Private Earnings, Chittenden County 1990 to 2005									
	Construc- tion	Informa- tion	Financial Activities	Manufac- turing	Retail	Prof & Tech Svc	Arts, Entmnt. & Rec.	Service	Whole- sale
1990	6.95%	3.53%	7.01%	34.31%	9.45%	8.01%	.59%	58.54%	5.67%
1991	5.92%	3.71%	7.12%	34.07%	9.11%	7.94%	.65%	59.82%	5.76%
1992	5.50%	3.76%	7.24%	33.17%	9.29%	8.08%	.64%	61.13%	5.53%
1993	5.65%	3.82%	7.54%	32.38%	9.39%	7.84%	.67%	61.78%	5.42%
1994	6.23%	3.76%	7.55%	30.50%	9.76%	7.72%	.75%	63.08%	5.51%
1995	6.41%	3.74%	7.49%	30.33%	9.50%	7.88%	.81%	63.09%	5.48%
1996	6.22%	3.89%	7.46%	31.02%	8.89%	8.46%	.78%	62.59%	5.53%
1997	6.37%	3.92%	7.57%	30.61%	9.15%	8.62%	.84%	62.84%	5.36%
1998	6.55%	4.19%	6.51%	30.21%	9.09%	9.14%	.89%	63.06%	5.10%
1999	6.94%	3.67%	7.62%	29.44%	9.05%	9.69%	.80%	63.45%	4.73%
2000	6.98%	3.77%	6.28%	29.91%	8.91%	10.09%	.94%	62.95%	4.54%
2001	6.83%	3.76%	6.44%	30.59%	9.02%	9.96%	.71%	62.42%	4.84%
2002	6.24%	3.77%	6.92%	28.31%	9.60%	10.03%	.79%	65.28%	5.00%
2003	6.44%	3.75%	7.45%	25.72%	9.72%	10.46%	.79%	67.68%	5.46%
2004	6.95%	3.71%	7.31%	24.40%	9.82%	10.67%	.89%	68.49%	5.47%
2005	6.88%	3.55%	7.47%	23.77%	9.73%	11.04%	.86%	69.19%	5.54%
% change 1990-05	-.91%	.66%	6.54%	-30.73%	3.04%	37.82%	45.04%	18.19%	-2.26%

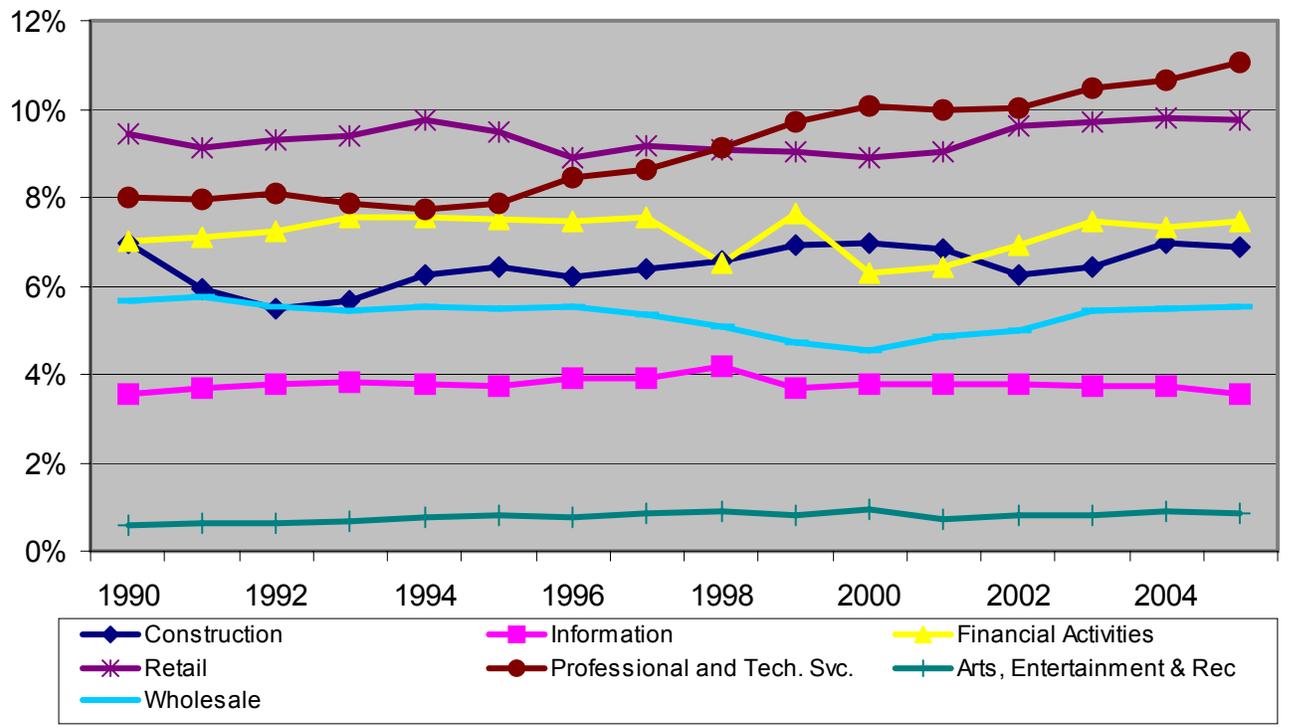
The table on this page and the previous page and the chart appearing opposite show the breakdown of total private earnings for Chittenden County by various key sectors. In 1990, the earnings in the manufacturing sectors (NAICS 31-33) were 58% of the earnings in the service providing sectors (NAICS 22, 42-81). By 2005, earnings in manufacturing were only 34% of the earnings of the service sectors.

The share of earnings in the Arts, Entertainment and Recreation (NAICS 71) and the Professional and Technical Services (NAICS 54) sector have grown substantially over that last 15 years. Both of these sectors (along with sector 51 Information) are the primary industry sectors associated with the concept of a Creative Economy.

Total Earnings by Sector as % of Total Earnings, Chittenden County



Total Earnings by Sector as % of Total Earnings for smaller sectors, Chittenden County



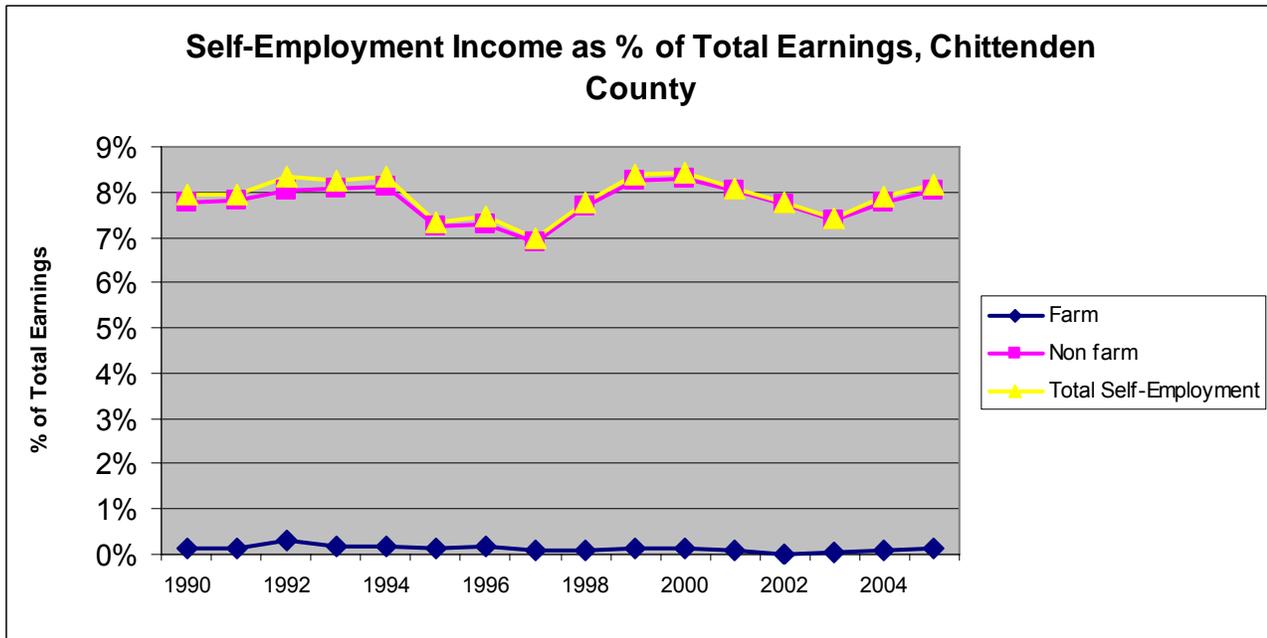
Self Employment Income for Chittenden County, 1990-2005.

Source: US Department of Commerce, Bureau of Economic Analysis, Regional Economic Profiles, Table CA30

*Earnings are in nominal 1000s of dollars.

Self-Employment Income*, Chittenden County 1990 to 2005			
	Total Earnings	Farm Self Employ	Non- farm Self Employ
1990	\$2,578,546	\$3,699	\$200,783
1991	\$2,621,662	\$3,203	\$205,237
1992	\$2,764,948	\$8,728	\$222,405
1993	\$2,898,681	\$5,450	\$233,972
1994	\$2,953,309	\$5,609	\$240,137
1995	\$3,112,669	\$3,947	\$224,890
1996	\$3,333,999	\$6,123	\$242,869
1997	\$3,490,222	\$2,578	\$240,871
1998	\$3,785,166	\$3,492	\$291,215
1999	\$4,103,237	\$4,504	\$338,869
2000	\$4,472,181	\$5,706	\$371,513
2001	\$4,696,280	\$3,310	\$376,827
2002	\$4,768,999	\$652	\$369,420
2003	\$4,913,680	\$2,784	\$362,491
2004	\$5,191,473	\$5,592	\$403,818
2005	\$5,398,103	\$7,814	\$432,658

Total Self-Employment Income as % of Total Earnings, Chittenden County 1990 to 2005			
	Farm	Non-farm	Total Self-Employ
1990	0.14%	7.79%	7.93%
1991	0.12%	7.83%	7.95%
1992	0.32%	8.04%	8.36%
1993	0.19%	8.07%	8.26%
1994	0.19%	8.13%	8.32%
1995	0.13%	7.22%	7.35%
1996	0.18%	7.28%	7.47%
1997	0.07%	6.90%	6.98%
1998	0.09%	7.69%	7.79%
1999	0.11%	8.26%	8.37%
2000	0.13%	8.31%	8.43%
2001	0.07%	8.02%	8.09%
2002	0.01%	7.75%	7.76%
2003	0.06%	7.38%	7.43%
2004	0.11%	7.78%	7.89%
2005	0.14%	8.02%	8.16%



The total self-employment or proprietor's income for Chittenden County is divided into farm income and non-farm income with farm income being a tiny share of the total. The trend in the self-employment income as a percentage of total earnings has been steady over time the period from 1990-2005.

Location Quotients: Chittenden County, 1998.

Source: U.S. Census Bureau; "1998 County Business Patterns, Chittenden County Vermont;"
<<http://censtats.census.gov/cgi-bin/cbpnaic/cbpsect.pl>>

DESCRIPTION	TOTAL EMPLOYMENT 1998		LOCATION QUOTIENTS 1998		
	Chittenden County	U.S.	LQ	LQ (min)	LQ (max)
Total Employment	76,889	108,117,731			
Forestry, fishing, hunting, & agriculture support	20-99	187,133		0.150	0.744
Mining	56	497,843	0.158		
Utilities	250-499	682,217		0.515	1.029
Construction	4,999	5,798,261	1.212		
Manufacturing	15,441	16,945,834	1.281		
Wholesale Trade	3,787	5,884,946	0.905		
Retail Trade	11,240	14,240,726	1.110		
Transportation and Warehousing	1,656	3,462,472	0.673		
Information	2,348	3,141,957	1.051		
Finance and Insurance	3,318	5,770,209	0.809		
Real Estate and Rental and Leasing	900	1,812,621	0.698		
Professional, Scientific, & Technical Services	4,577	6,051,636	1.064		
Management of Companies and Enterprises	982	2,703,798	0.511		
Admin, Support, Waste Mgt, Remediation Srv	3,416	7,774,610	0.618		
Education Services	3,600	2,323,744	2.178		
Health Care and Social Assistance	9,667	13,757,996	0.988		
Arts, Entertainment, and Recreation	1,388	1,583,783	1.232		
Accommodation and Food Services	6,250	9,466,088	0.928		
Other Services (except public admin.)	2,759	5,037,866	0.770		
Auxiliaries (excluding corporate, subsidiary & regional mgt)	83	916,349	0.127		
Unclassified Establishments	54	77,642	0.978		

Note: The highlighted sectors refers to those sectors in Chittenden County that likely export production.

A location quotient is a measure of the extent to which an urban area specializes in a particular industry. It is defined as the percentage of total employment in an urban area engaged in a particular industry divided by the corresponding percentage for the nation as a whole. A location quotient that is greater than 1 indicates that the urban area probably is producing the good or service for export outside its own area.

Where data is given in a range for confidentiality reasons we have chosen to use the bounds of the range to calculate minimum and maximum values for the location quotient.

Education Services (NAICS 61) has the largest location quotient. Given the presence of UVM, Champlain College, St. Michael's and other academic institutions this is not a surprising result. The three sectors identified with the creative economy, Information, Professional, Scientific and Technical Services and Arts, Entertainment and Recreation also have location quotients greater than 1.

1998 is used in this table because it is the first year where NAICS reporting was fully implemented into the County Business Patterns Data that we used to calculate the location quotients.

Location Quotients: Chittenden County, 2004.

Source: U.S. Census Bureau; "2004 County Business Patterns, Chittenden County Vermont;"
<<http://censtats.census.gov/cgi-bin/cbpnaic/cbpsect.pl>>

Note: For some of the sectors there is a min (LQ) and a max (LQ). The reason for this is because the numbers from the census bureau did not give exact employment figures for some sub-sectors for privacy reasons. Therefore, instead of averaging the numbers the low and high numbers were both used to give a minimum and maximum possible Location Quotient.

DESCRIPTION	2004 TOTAL EMPLOYMENT		2004 LOCATION QUOTIENTS		
	Chittenden County	U.S.	LQ	LQ (min)	LQ (max)
Total Employment	83,685	115,074,924			
Construction	5,376	6,647,641	1.112		
Water and Sewer Line and Related Structures Construction	500-999	192,087		3.579	7.152
Utility System Construction	500-999	451,512		1.523	3.042
New Multifamily Housing Construction (except Operative Builders)	20-99	47,285		0.582	2.879
Commercial and Institutional Building Construction	500-999	632,860		1.086	2.171
Structural Steel and Precast Concrete Contractors	20-99	64,307		0.428	2.117
Residential Remodelers	343	223,535	2.110		
Site Preparation Contractors	344	269,444	1.756		
Other Heavy and Civil Engineering Construction	20-99	79,751		0.345	1.707
Flooring Contractors	20-99	82,060		0.335	1.659
Building Equipment Contractors	1,768	1,784,676	1.362		
Manufacturing	14,488	13,821,976	1.441		
Doll and Stuffed Toy Manufacturing	500-999	2,386		288.159	575.74
Semiconductor and Related Device Manufacturing	5,000-9,999	141,157		48.708	97.41
Doll, Toy, and Game Manufacturing	500-999	18,851		36.473	72.87
Electronic Capacitor Manufacturing	100-249	8,965		15.338	38.19
Instruments and Related Products Manufacturing for Measuring, Displaying, and Controlling Industria	500-999	39,313		17.489	34.94
Semiconductor and Other Electronic Component Manufacturing	5,000-9,999	373,729		18.397	36.79
Communication/Energy Wire & Cable Manufact.	250-499	37,446		9.181	183.57
Frozen Cakes, Pies, & Other Pastries Manufact.	100-249	20,730		6.633	613.52
Electronic Connector Manufacturing	100-249	22,185		6.198	15.434
Wholesale Trade	3,760	5,907,051	0.875		
Professional and Commercial Equipment	292	32,948	12.187		
Sporting & Recreational Goods	300	51,596	7.995		
Men's and Boys' Clothing and Furnishings	100-250	56,909		2.416	6.041
beer and ale	100-250	104,208		1.320	3.299
Plumbing & Heating Equipment Supplies	137	68,890	2.735		
beer, wine and distilled alcoholic beverage	306	170,456	2.469		

DESCRIPTION	2004 TOTAL EMPLOYMENT		2004 LOCATION QUOTIENTS		
	Chittenden County	U.S.	LQ	LQ (min)	LQ (max)
Retail Trade	12,221	15,351,431	1.095		
other direct selling establishments	60	636	128.645		
other healthy and personal care	197	107,690	2.515		
all other health and personal care	100	56,460	2.436		
nursery, garden center and farm supply stores	273	149,610	2.509		
lawn and garden equip & supplies	304	176,035	2.375		
all other specialty foods	60	36,181	2.261		
other home furnishing stores	369	202,218	2.509		
children's clothing	142	73,991	2.639		
food (health) supplements	97	51,230	2.604		
window treatment stores	60	9,249	8.846		
Transportation & warehousing	1,691	3,581,013	0.649		
Coastal & Great Lakes passenger trans	20-99	1,600		17.189	85.084
Taxi service	100-249	29,114		4.723	11.761
Interurban & rural bus transportation	20-99	20,705		1.328	6.575
Nonscheduled chartered passenger air trans	20-99	22,736		1.210	5.988
Taxi & limousine service	100-249	65,575		2.097	5.221
Charter bus industry	20-99	32,162		0.855	4.233
Nonscheduled air transportation	20-99	34,643		0.794	3.930
Special needs transportation	20-99	34,990		0.786	3.891
Local messengers & local delivery	112	55,892	2.756		
Oth transit & ground passenger transportation	20-99	51,090		0.538	2.665
Information	3,129	3,472,427	1.239		
Paging	78	11,453	9.365		
Data Processing, Hosting, and Related Services	731	365,919	2.747		
Finance and Insurance	4,005	6,481,304	0.850		
All Other Insurance Related Activities	20-99	22,435		1.226	6.068
Sales Financing	250-499	128,340		2.679	5.347
Miscellaneous Intermediation	20-99	34,464		0.798	3.950
Claims Adjusting	20-99	39,094		0.703	3.482
Credit Unions	250-499	229,213		1.500	2.994
Real Estate and Rental and Leasing	1,339	2,086,085	0.883		
Video Tape and disc rental	157	154,405	1.398		
Automotive Equipment Rental and Leasing	172	172,435	1.372		
Consumer Goods Rental	225	263,973	1.172		
Passenger Car Rental	100-249	110,912		1.240	3.087
Nonresidential Property Managers	99	132,102	1.031		
Professional, Scientific, Technical Services	5,399	7,569,981	0.981		
Marketing Research and Public Opinion Polling	250-499	118,533		2.900	5.789
Environmental Consulting Services	142	60,029	3.253		
Graphic Design Services	136	60,172	3.108		
Custom Computer Programming Services	694	434,637	2.196		
Testing Laboratories	147	93,485	2.162		
Photography Studios, Portrait	20-99	65,262		0.421	2.086
Management of Companies and Enterprises	1,794	2,824,787	0.873		
Administrative and Support & Waste Management and Remediation Services	2,758	8,708,052	0.436		
Repossession Services	20-99	6,568		4.187	20.727
Hazardous Waste Treatment and Disposal	20-99	23,043		1.194	5.908
Armored Car Services	20-99	28,446		0.967	4.786
Carpet and Upholstery Cleaning Services	20-99	47,344		0.581	2.875
Remediation Services	20-99	63,263		0.435	2.152

DESCRIPTION	2004 TOTAL EMPLOYMENT		2004 LOCATION QUOTIENTS		
	Chittenden County	U.S.	LQ	LQ (min)	LQ (max)
Educational Services	3,174	2,893,346	1.508		
Junior Colleges	500-999	96,090		7.155	14.296
Computer Training	20-99	25,119		1.095	5.420
Professional and Management Development Training	20-99	32,043		0.858	4.248
All Other Miscellaneous Schools and Instruction	20-99	29,627		0.928	4.595
Other Technical and Trade Schools	111	64,037	2.384		
Educational Support Services	20-99	58,587		0.469	2.324
Exam Preparation and Tutoring	20-99	66,616		0.413	2.044
Business Schools, Computer, & Mgt. Training	98	67,400	1.999		
Arts, Entertainment, and Recreation	1,707	1,889,044	1.243		
Promoters of Performing Arts, Sports, and Similar Events without Facilities	101	24,125	5.757		
Promoters of Performing Arts, Sports, and Similar Events	244	98,692	3.400		
Fitness and Recreational Sports Centers	1,005	479,202	2.884		
Promoters of Performing Arts, Sports, and Similar Events with Facilities	143	74,567	2.637		
All Other Amusement and Recreation Industries	64	84,801	1.038		
Accommodation and Food Services	7,146	10,749,811	0.914		
Bed-and-Breakfast Inns	50	18,354	3.746		
Other Traveler Accommodation	50	22,477	3.059		
Food Service Contractors	429	380,530	1.550		
Drinking Places (Alcoholic Beverages)	372	361,043	1.417		
Other Services (except Public Administration)	2,885	5,416,193	0.732		
One-Hour Photofinishing	20-99	9,199		2.990	14.799
Communication Equipment Repair and Maintenance	20-99	16,732		1.644	8.136
Diet and Weight Reducing Centers	20-99	28,852		0.953	4.718
Environment, Conservation and Wildlife Orgs	159	46,388	4.713		
Pet Care (except Veterinary) Services	20-99	40,089		0.686	3.396
Photofinishing	20-99	37,971		0.724	3.585
Appliance Repair and Maintenance	20-99	37,561		0.732	3.624
Home & Garden Equip. and Appliance Repair/Maint.	20-99	45,020		0.611	3.024
Voluntary Health Organizations	20-99	48,527		0.567	2.805

The Location Quotient number is a very important figure that helps us to determine what portion of a goods production is likely consumed locally and what portion is likely exported. For example an LQ of 1.0, would suggest that all of the city's production is consumed within the city and none is exported. However an LQ of 5.0 would suggest that 1/5th is consumed locally and the rest exported. This table not only shows the location quotients for all of the 2-digit NAICS categories but also includes the sub-sectors that have relatively high location quotients.

Sector 339931, Doll and Stuffed Toy Manufacturing, has a the LQ between 288 and 576 which is extremely high. Clearly, The Vermont Teddy Bear Company must be one of the last producers of plush toys left in the U.S. For sector 334413, Semiconductor and Related Device manufacturing, the LQ is between 49 and 97. The reason for this high number is due in large part to IBM's role in the economy.

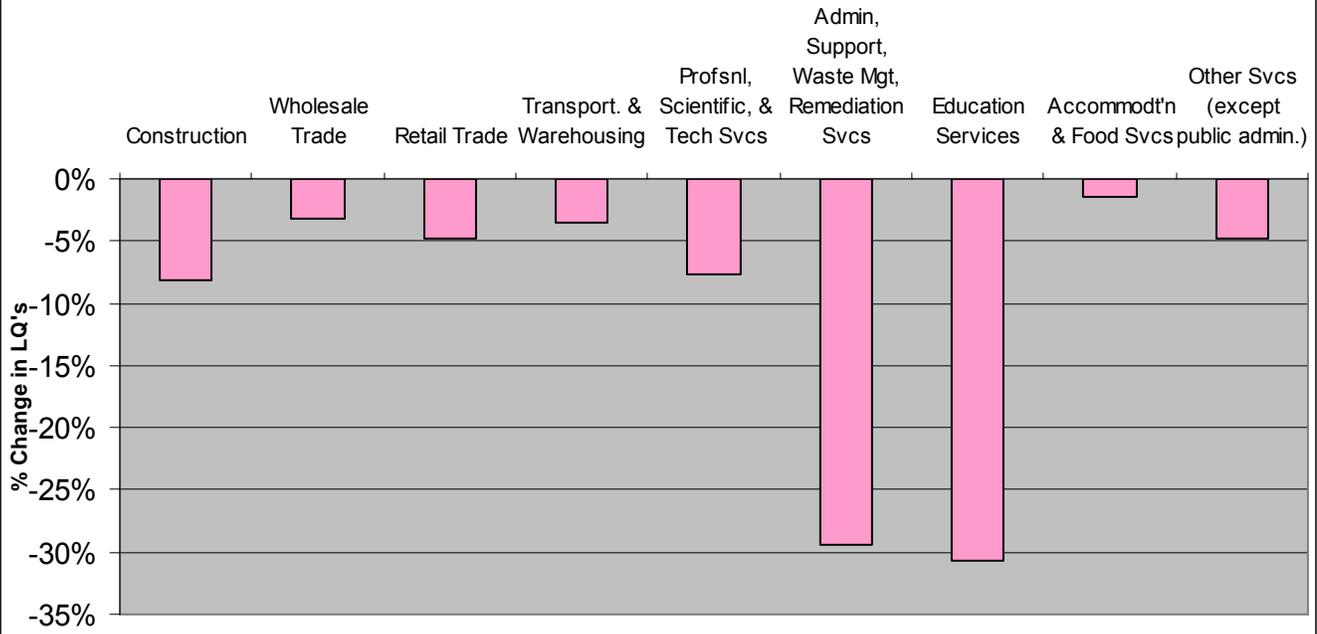
% Change in Location Quotients: Chittenden County, 1998-2004.

Source: U.S. Census Bureau; "1998 and 2004 County Business Patterns, Chittenden County Vermont;"
<<http://censtats.census.gov/cgi-bin/cbpnaic/cbpsect.pl>>

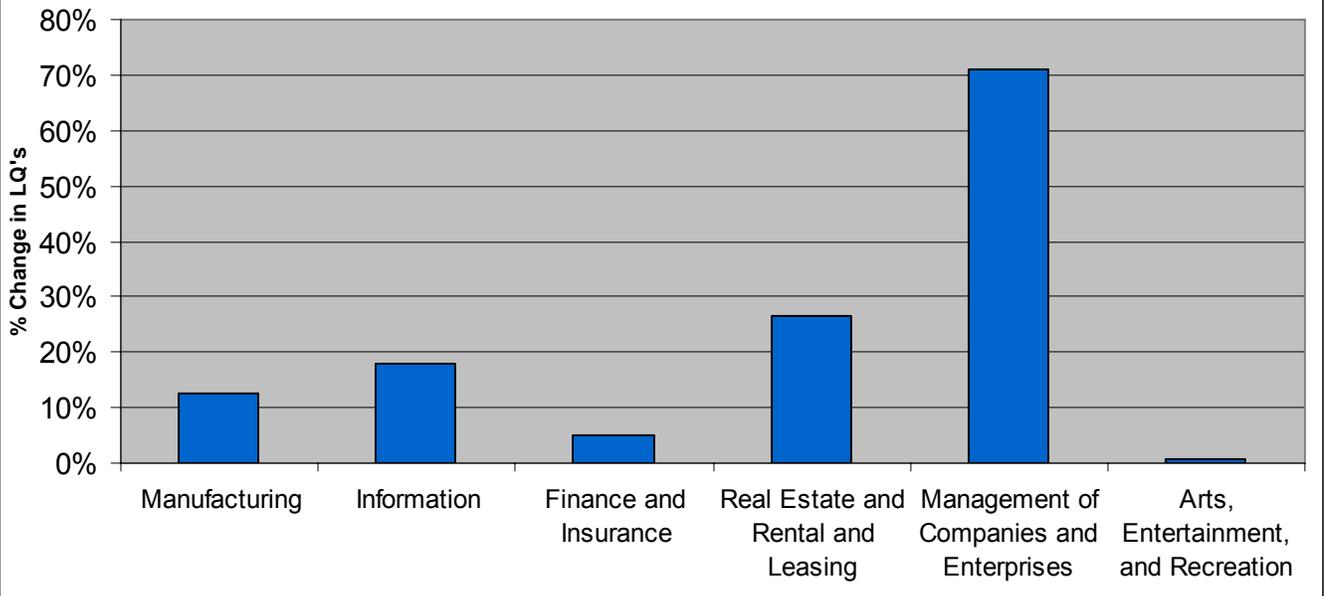
CHITTENDEN COUNTY LOCATION QUOTIENT			
DESCRIPTION	1998	2004	% change
Construction	1.21	1.11	-8.22%
Manufacturing	1.28	1.44	12.49%
Wholesale Trade	0.90	0.88	-3.21%
Retail Trade	1.11	1.06	-4.73%
Transportation and Warehousing	0.67	0.65	-3.45%
Information	1.05	1.24	17.99%
Finance and Insurance	0.81	0.85	5.09%
Real Estate and Rental and Leasing	0.70	0.88	26.42%
Professional, Scientific, and Technical Services	1.06	0.98	-7.73%
Management of Companies and Enterprises	0.51	0.87	71.10%
Admin, Support, Waste Mgt, Remediation Services	0.62	0.44	-29.47%
Education Services	2.18	1.51	-30.75%
Arts, Entertainment, and Recreation	1.23	1.24	0.89%
Accommodation and Food Services	0.93	0.91	-1.48%
Other Services (except public admin.)	0.77	0.73	-4.83%

This table shows the percentage changes in Location Quotients for Chittenden County from 1998-2004. These trends are highlighted in the two charts on the following page. The biggest growth has occurred in Management of Companies and Enterprises (NAICS 55) and Real Estate, Rental and Leasing (NAICS 53) although both of these still have location quotients less than 1. In our export sectors, the location quotients for Information (NAICS 51) and Manufacturing (NAICS 31) have increased.

Chittenden County Sectors of Decreasing Industry Importance 1998 to 2004



Chittenden County Sectors of Increasing Industry Importance, 1998 to 2004



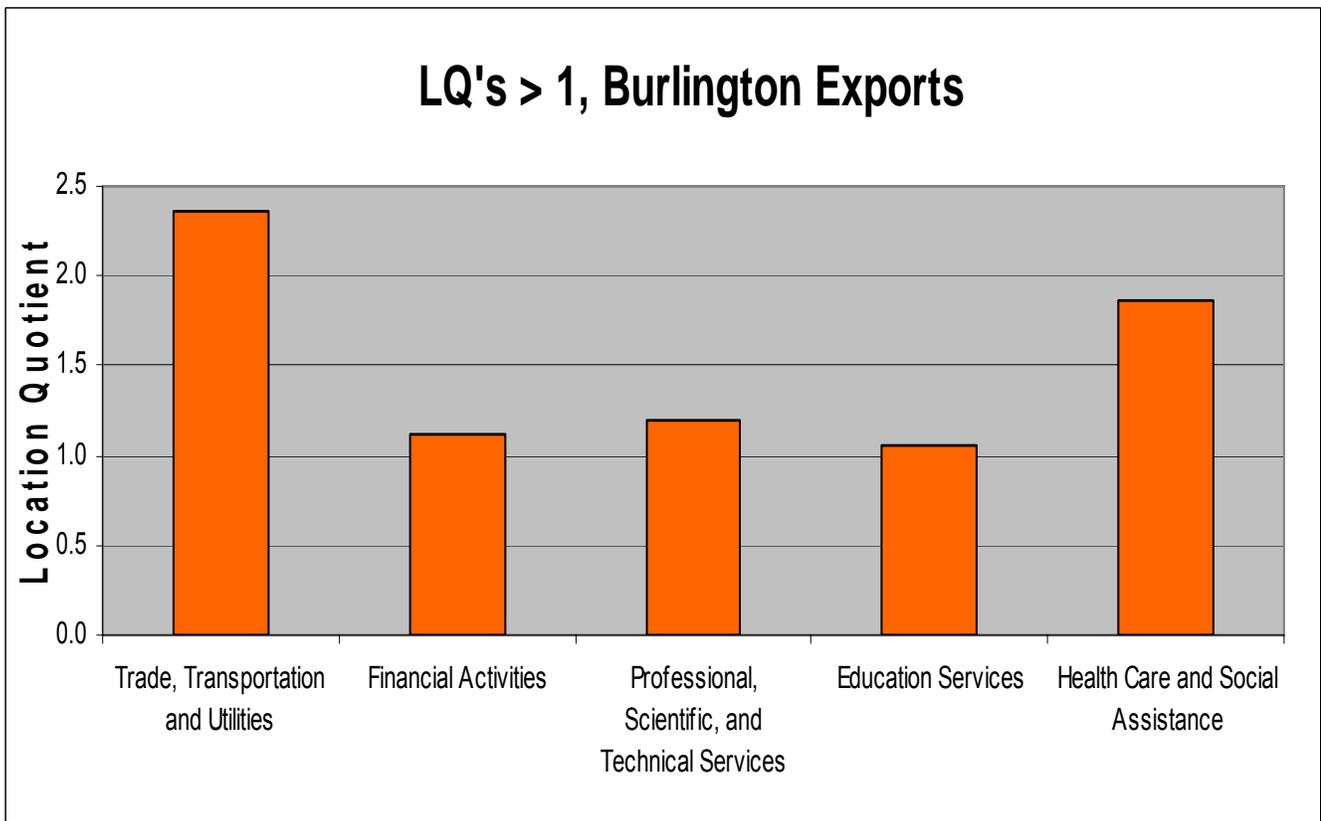
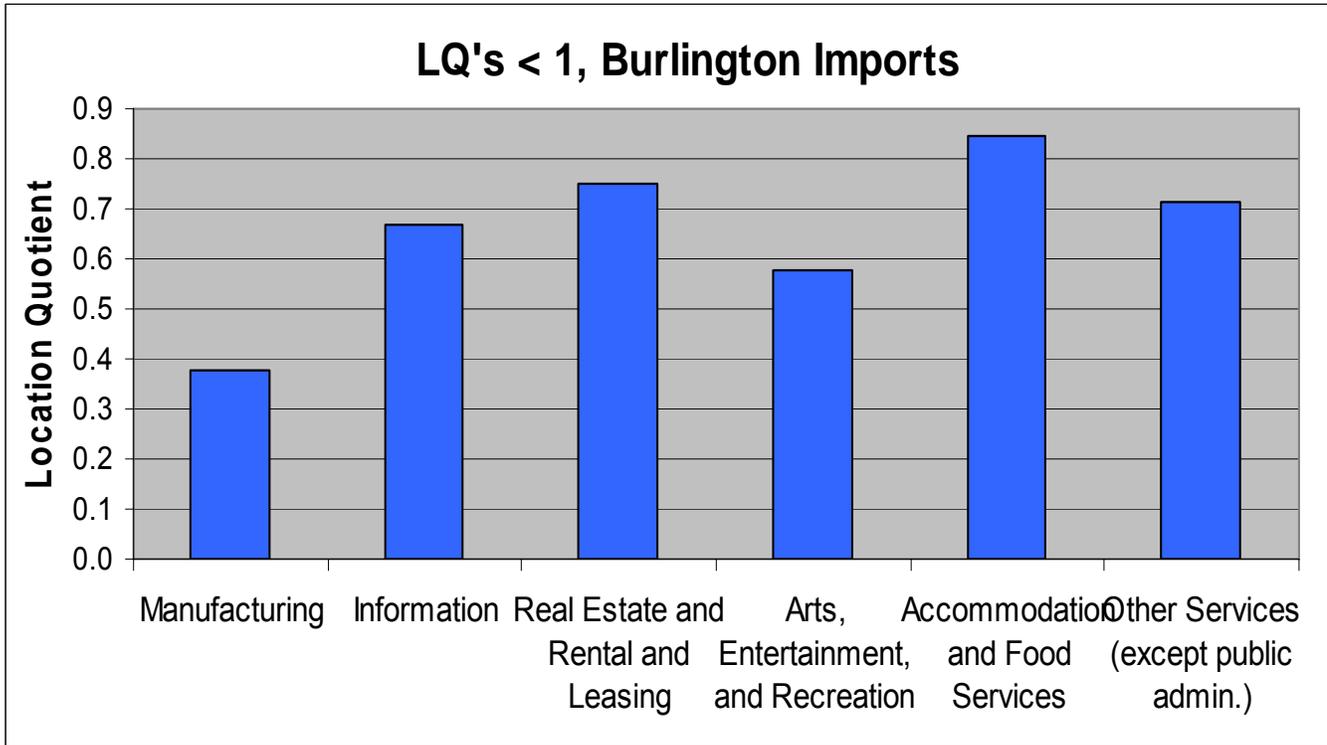
Location Quotients: Burlington, 2004.

Source: VT Department of Labor and Market Information; "2004 Covered Employment and Wages;"
<<http://www.labor.vermont.gov/VDOLHomePage/tabid/90/Default.aspx>>

TOTAL EMPLOYMENT BY SECTOR			
DESCRIPTION	BURLINGTON	U.S.	LQ
Total Employment	32,579	108,117,731	N/A
Forestry, fishing, hunting, & agriculture support	N/A	187133	N/A
Mining	N/A	497843	N/A
Construction	N/A	5798261	N/A
Manufacturing	1,915	16945834	0.37503
Trade, Transportation and Utilities	4,195	5884946	2.36564
Information	633	3141957	0.66859
Financial Activities	1,949	5770209	1.12093
Real Estate and Rental and Leasing	409	1812621	0.74882
Professional, Scientific, and Technical Services	2,180	6051636	1.19548
Management of Companies and Enterprises	N/A	2703798	N/A
Admin, Support, Waste Mgt, Remediation Services	N/A	7774610	N/A
Education Services	737	2323744	1.05254
Health Care and Social Assistance	7,716	13757996	1.86121
Arts, Entertainment, and Recreation	276	1583783	0.57833
Accommodation and Food Services	2,413	9466088	0.84595
Other Services (except public admin.)	1,084	5037866	0.71407
Auxiliaries (excluding corporate, subsid. & regional mgt)	N/A	916349	N/A
Unclassified Establishments	N/A	77642	N/A

To enable data reporting while maintaining employer privacy, sectors 42-49 and 22 were aggregated into one category entitled *Trade, Transportation and Utilities*.

This table shows Burlington location quotients for 2004. Even though Chittenden County has a LQ greater than 1 for manufacturing, Burlington's manufacturing location quotient is only .37503. The trade, transportation and utilities sector is largest at just over 2 and, not surprisingly, the health care and education services sectors are also greater than 1.



Change in the Number of Jobs in Burlington 1998-2005

Source: VT Department of Labor and Market Information; "2004 Covered Employment and Wages;"
<<http://www.labor.vermont.gov/VDOLHomePage/tabid/90/Default.aspx>>

(c)Data is confidential.

(s)Data is suppressed to protect confidential information

NAICS Industry	Total Employment		Change 1998 to 2005	
	1998	2005	# of Jobs	% Change
Manufacturing	2229	1,876	-353	-15.84%
Durable Goods			N/A	N/A
wood product manufacturing	©	©	N/A	N/A
Nonmetallic mineral product manufacturing	©	©	N/A	N/A
Fabricated metal product manufacturing	876	735	-141	-16.10%
Machinery manufacturing	©	©	N/A	N/A
Computer and Electronic product manufacturing	17	©	N/A	N/A
Miscellaneous manufacturing	©	©	N/A	N/A
Non-Durable Goods			N/A	N/A
Food manufacturing	293	323	30	10.24%
Beverage and tobacco product manufacturing	©	©	N/A	N/A
Apparel Manufacturing	©	©	N/A	N/A
Printing and related support activities	154	146	-8	-5.19%
Chemical manufacturing	©	©	N/A	N/A
Trade, Transportation and Utilities	3915	4,102	187	4.78%
Wholesale trade	(s)	(s)	N/A	N/A
Merchant wholesalers, durable goods	362	280	-82	-22.65%
Merchant wholesalers, Non-durable goods	288	127	-161	-55.90%
Electronic Markets and agents and brokers	©	©	N/A	N/A
Retail trade	2537	3,073	536	21.13%
Motor vehicle and parts dealers	161	146	-15	-9.32%
Furniture and home furnishing stores	110	188	78	70.91%
Electronics and appliance stores	29	(s)	N/A	N/A
Building Material and garden supply stores	80	113	33	41.25%
Food and beverage stores	587	771	184	31.35%
Health and Personal care stores	148	119	-29	-19.59%
Gasoline stations	160	158	-2	-1.25%
Clothing and clothing accessories stores	453	792	339	74.83%
Sporting goods, hobby, book and music stores	22	285	263	1195.45%
General merchandise stores	143	©	N/A	N/A
Miscellaneous store retailers	279	238	-41	-14.70%
Non-store retailers	159	223	64	40.25%
Transportation and Warehousing	724	590	-134	-18.51%
Air-transportation	85	©	N/A	N/A
Water transportation	©	©	N/A	N/A
Truck transportation	29	76	47	162.07%
Transit and ground passenger transportation	170	153	-17	-10.00%
Scenic and Sight-seeing transportation	©	©	N/A	N/A
Support activities for transportation	47	©	N/A	N/A
Couriers and messengers	©	©	N/A	N/A

	Total Employment		Change 1998 to 2005	
	©	©	N/A	N/A
Utilities				
Financial Activities	2104	1946	-158	-7.51%
Finance and insurance	1631	1531	-100	-6.13%
Credit intermediation and related activities	929	805	-124	-13.35%
Securiteis, commodity contract, investments	(s)	(s)	N/A	N/A
Insurance carriers and related activities	343	440	97	28.28%
Funds, Trusts and other financial activities	©	©	N/A	N/A
Real estate and rental leasing	473	415	-58	-12.26%
Real estate	289	320	31	10.73%
Rental and leasing services	(s)	(s)	N/A	N/A
Lessors of non financial intangible assets	©	©	N/A	N/A
Professional and business services	3023	3519	496	16.41%
Professional and technical services	2116	2171	55	2.60%
Management of companies and enterprises	©	©	N/A	N/A
Administrative and waste services	(s)	(s)	N/A	N/A
Administrative and support services	732	1141	409	55.87%
Waste management and remediation services	(s)	(s)	N/A	N/A
Education and Health Services	7307	8331	1,024	14.01%
Educational services	796	673	-123	-15.45%
Elementary and secondary schools	118	160	42	35.59%
Junior colleges	©	©	N/A	N/A
Colleges and universities	©	©	N/A	N/A
Business computer and management training	©	19	N/A	N/A
Technical and trade schools	©	©	N/A	N/A
Other schools and instruction	27	30	3	11.11%
Educational support services	©	20	N/A	N/A
Health care and social assistance	6511	7658	1,147	17.62%
Ambulatory health care service	2445	3189	744	30.43%
Hospitals	©	©	N/A	N/A
Nursing and residential care facillities	(s)	(s)	N/A	N/A
Social Assistance	570	803	233	40.88%

This table illustrates the change in number of jobs and percent change in number of jobs in Burlington Town from 1998-2005 for several key 2-digit NAICS sectors and their primary sub-sectors. The greatest decrease was seen in the manufacturing sector, while professional and business services saw the largest change overall with an increase of 16.4%.

Sale Tax Revenues, FY 2000-2006.

Source: Vermont Department on Taxes; "2000-2006 Sales and Use tax information;" published 2006, <<http://www.state.vt.us/tax/statisticss&umult.shtml>>

Sales Tax Revenue for Chittenden County and Surrounding Areas			
	Burlington	Williston	South Burlington
FY 2006			
Total sale tax revenues	\$257,626,996	\$428,421,664	\$330,936,861
% of county total	16.96%	28.21%	21.79%
FY 2005			
Total sale tax revenues	\$269,816,852	\$410,052,729	\$297,507,587
% of county total	18.50%	27.70%	22.50%
FY 2004			
Total sale tax revenues	\$269,599,258	\$366,729,543	\$289,610,459
% of county total	19.10%	25.00%	24.20%
FY 2003			
Total sale tax revenues	\$254,536,076	\$322,740,123	\$274,195,232
% of county total	20.59%	26.11%	22.18%
FY 2002			
Total sale tax revenues	\$231,921,751	\$347,881,621	\$283,116,389
% of county total	18.50%	27.70%	22.50%
FY 2001			
Total sale tax revenues	\$230,500,046	\$300,990,950	\$291,485,122
% of county total	19.10%	25.00%	24.20%
FY 2000			
Total sale tax revenues	\$244,418,160	\$301,657,066	\$278,253,370
% of county total	19.90%	24.60%	12.80%
% Growth 00-01			
	-5.69%	-0.22%	4.76%
% Growth 01-02			
	0.60%	15.60%	-2.90%
% Growth 02-03			
	9.75%	-7.23%	-3.15%
% Growth 03-04			
	5.92%	13.63%	5.62%
% Growth 04-05			
	0.08%	11.81%	2.73%
% Growth 05-06			
	-4.52%	4.48%	11.24%
% Growth 00-06			
	5.40%	42.02%	18.93%

Sales Tax Revenue for Chittenden County and Surrounding Areas

	Colchester	Essex	Winooski	Chittenden County
FY 2006				
Total sale tax revenues	\$234,081,538	\$96,358,085	\$17,207,373	\$1,518,601,525
% of county total	15.41%	6.35%	1.13%	
FY 2005				
Total sale tax revenues	\$223,760,349	\$94,154,445	\$16,723,676	\$1,458,189,303
% of county total	12.70%	6.90%	1.60%	
FY 2004				
Total sale tax revenues	\$204,756,810	\$85,708,475	\$16,165,033	\$1,369,817,829
% of county total	13.10%	6.90%	1.90%	
FY 2003				
Total sale tax revenues	\$157,579,995	\$84,862,253	\$15,385,101	\$1,235,970,609
% of county total	12.75%	6.87%	1.24%	
FY 2002				
Total sale tax revenues	\$159,506,378	\$86,110,857	\$20,337,018	\$1,256,219,267
% of county total	12.70%	6.90%	1.60%	
FY 2001				
Total sale tax revenues	\$157,236,875	\$83,137,622	\$22,925,368	\$1,204,312,998
% of county total	13.10%	6.90%	1.90%	
FY 2000				
Total sale tax revenues	\$156,801,224	\$96,561,528	\$27,240,407	\$1,226,693,341
% of county total	22.70%	7.90%	2.20%	
% Growth 00-01	0.28%	-13.90%	-15.84%	-1.82%
% Growth 01-02	1.40%	3.60%	-11.30%	4.30%
% Growth 02-03	-1.21%	-1.45%	-24.35%	-1.61%
% Growth 03-04	29.94%	1.00%	5.07%	10.83%
% Growth 04-05	9.28%	9.85%	3.46%	6.45%
% Growth 05-06	4.61%	2.34%	2.89%	4.14%
% Growth 00-06	49.29%	-0.21%	-36.83%	23.80%

This data depicts the differences in sales tax revenue accrued by town in Chittenden County from 2000-2006. Colchester and Williston exhibited the greatest positive change, while Winooski exhibited the largest negative change over this seven year time span. The reason for the large changes in sales tax revenue in Colchester, Williston and Winooski is clearly positively correlated with the significant changes that have occurred in their retail sectors in recent years.

Room and Meals Tax Revenue, FY 2001-2006.

Source: Vermont Department of Taxation, Chittenden County data is from the Department's Biennial Reports.

FY	Burlington	Chittenden County	Burlington as % of County
2001	\$7,549,990	\$23,192,269	32.55%
2002	\$8,001,360	\$24,168,283	33.11%
2003	\$8,263,426	\$24,712,709	33.44%
2004	\$8,526,626	\$26,330,769	32.38%
2005	\$8,724,590	\$27,990,223	31.17%
2006	\$8,972,083	\$29,486,549	30.43%

This chart shows the amount of tax revenue that Chittenden County and Burlington City accrue from the rooms and meals tax for the fiscal years 2001-2006. Even though alcohol isn't mentioned in the title, the alcohol tax is included in this data. Even though the amount of money garnered for Burlington and Chittenden county from the rooms and meals tax is substantial, it is still brings in 5 times less than the sales tax brings in during a typical year.

Job Creation and Destruction, Chittenden County, 2002-2006.

Source: Vermont Department of Labor, Job Destruction and Creation Annual Statewide and County Reports, www.vtلمي.info/lmipub.htm#9

Note: The goods producing sectors consist of private jobs in NAICS sectors 11,21,23,31-33.
The service providing sectors consist of private jobs in NAICS sectors 22,42,44-45,48-49,51-56,61-62,71-72,81

This data is useful for demonstrating the significant amount of business and job churn that occurs in a dynamic economy. For most years, the gross job creation and job loss may approach 10%, while the net job change may be close to quite small.

Chittenden County, first quarter 2005- first quarter 2006

	New Business		Business Closings		Establishments with Employment Gain		Establishments with Employment Loss	
	Establishmt.	Employmt.	Establishmt.	Employmt	Establishmt	Employmt	Establishmt	Employmt
Total	431	1684	325	1096	1588	5779	1615	6296
Private Ownership	428	1629	321	1096	1520	5247	1531	5836
Goods Producing	64	113	48	104	261	879	255	1244
Service Providing	364	1516	273	991	1259	4368	1276	4592
Govt. Ownership	3	55	4	0	68	532	84	460

Chittenden County, first quarter 2005- first quarter 2006

	Gross Job Creation		Gross Job Loss		Net Job Effect	
	Number	Percent	Number	Percent	Number	Percent
Total	7463	8.00%	7392	7.90%	71	0.10%
Private Ownership	6876	8.80%	6932	8.90%	-56	-0.10%
Goods Producing	992	5.90%	1348	8.00%	-356	-2.10%
Service Providing	5884	9.60%	5583	9.10%	301	0.50%
Govt. Ownership	587	3.90%	460	3.10%	127	0.80%

Chittenden County, first quarter 2004- first quarter 2005

	New Business		Business Closings		Establishments with Employment Gain		Establishments with Employment Loss	
	Establishmt.	Employmt.	Establishmt.	Employmt	Establishmt	Employmt	Establishmt	Employmt
Total	379	1747	349	1347	1871	5884	1801	5578
Private Ownership	377	1723	348	1346	1772	5370	1721	5168
Goods Producing	50	154	37	118	291	884	282	1137
Service Providing	327	1569	311	1228	1481	4486	1439	4030
Govt. Ownership	2	24	1	1	99	514	80	411

Chittenden County, first quarter 2004- first quarter 2005

	Gross Job Creation		Gross Job Loss		Net Job Effect	
	Number	Percent	Number	Percent	Number	Percent
Total	7631	8.20%	6925	7.50%	706	0.80%
Private Ownership	7093	9.10%	6514	8.40%	579	0.70%
Goods Producing	1038	5.90%	1255	7.20%	-217	-1.20%
Service Providing	6055	10.00%	5258	8.70%	797	1.30%
Govt. Ownership	538	3.70%	412	2.80%	126	0.90%

Job Creation and Destruction, Chittenden County,
2002-2006.

Chittenden County, first quarter 2003- first quarter 2004

	New Business		Business Closings		Establishments with Employment Gain		Establishments with Employment Loss	
	Establishmt.	Employmt.	Establishmt.	Employmt	Establishmt	Employmt	Establishmt	Employmt
Total	479	2555	347	1346	1772	5733	1903	6263
Private Ownership	462	1876	339	1088	1710	5220	1832	5546
Goods Producing	73	188	51	139	299	1146	319	1543
Service Providing	389	1688	288	949	1411	4074	1511	4003
Govt. Ownership	17	679	8	258	62	513	72	717

Chittenden County, first quarter 2003- first quarter 2004

	Gross Job Creation		Gross Job Loss		Net Job Effect	
	Number	Percent	Number	Percent	Number	Percent
Total	8288	9.00%	7609	8.20%	679	0.70%
Private Ownership	7096	9.10%	6634	8.50%	462	0.60%
Goods Producing	1334	7.60%	1682	9.60%	-348	-2.00%
Service Providing	5762	9.50%	4952	8.20%	810	1.40%
Govt. Ownership	1192	8.10%	975	6.60%	217	1.50%

Chittenden County, first quarter 2002- first quarter 2003

	New Business		Business Closings		Establishments with Employment Gain		Establishments with Employment Loss	
	Establishmt.	Employmt.	Establishmt.	Employmt	Establishmt	Employmt	Establishmt	Employmt
Total	419	1766	324	1595	1764	6019	1852	7025
Private Ownership	407	1627	323	1595	1689	5235	1784	6866
Goods Producing	64	120	43	94	241	729	325	2274
Service Providing	343	1507	280	1501	1448	4506	1459	4592
Govt. Ownership	12	138	1	0	75	784	68	159

Chittenden County, first quarter 2002- first quarter 2003

	Gross Job Creation		Gross Job Loss		Net Job Effect	
	Number	Percent	Number	Percent	Number	Percent
Total	7785	8.40%	8620	9.40%	-835	-0.90%
Private Ownership	6862	8.80%	8461	10.90%	-1599	-2.10%
Goods Producing	849	4.70%	2368	13.10%	-1519	-8.40%
Service Providing	6013	10.10%	6093	10.20%	-80	-0.10%
Govt. Ownership	922	6.40%	159	1.10%	763	5.30%

Jobs & PEOPLE, Chapter 2:

Demographic Characteristics of Burlington's Residents

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Introduction

This chapter analyzes and compares the population demographics of Burlington, Chittenden County, Vermont, and the United States. Corresponding to chapter three of *Jobs and People III: Towards a Sustainable Economy*, this report replicates and updates the majority of the charts and tables from the previous document. Most of the updated data was compiled from either the U.S. Census Bureau or Bureau of Economic Analysis. This section focuses on the population and employment characteristics of Burlington, Vermont.

To minimize error and ensure accuracy a method was developed for updating the data. The first step of the analysis was to replicate the existing charts and tables from “Jobs and People III.” All replications and updates were replicated separately by at least two people to minimize error. The census data was gathered from both the hard copies of decennial census reports as well as the versions available online. One of the critiques of *Jobs and People III* was that there were charts without the corresponding data. The updated chapter includes the data that was used to make each chart. In addition, since new information was compiled and added to the chapter that was not included in *Jobs and People III*, an accompanying excel file shows data tables including the underlying formulas. The following paragraphs articulate some of the interesting results.

While Chittenden County as a whole has experienced steady population growth between 1970 and 2000, Burlington’s population has remained relatively constant. The city and county birth rates for Burlington and Chittenden County have been declining since 1981. Chittenden County’s birthrates have been declining at a faster rate than Burlington. Furthermore, the college student population as a percent of total population of Burlington and Chittenden County has remained relatively constant from 1980 to 2000. The results found that Burlington residents’ educational attainment from 1980 to 2000 has changed. There is a lower rate of residents with less than a 9th grade education and a higher rate of residents with bachelor degrees.

In the last ten years, Burlington has seen a decrease in protective service occupations and farming, fishing, and forestry occupations and an increase in transportation and material moving occupations. Management, professional, and related occupations are the most popular. Data shows that while males dominate the construction and manufacturing industries, females dominate the educational, health, and social service industries.

Unemployment trends in Burlington and Chittenden County are similar to those in Vermont, New England, and the U.S., with Burlington and Chittenden County the lowest. Compared to the U.S., unemployment is higher for younger people in Burlington and Chittenden County and lower for adults. Unemployment for males is higher in Burlington than the U.S. average though lower than females.

The data found that more Burlington residents are working in Williston, Colchester and Essex while fewer are traveling to Shelburne and Winooski. Over half of Burlington’s residents work in Burlington and the vast majority works in the county. The largest employers in Burlington are IBM, Fletcher Allen Health Care, and the University of Vermont.

The median household income in Burlington is significantly lower than that of the county and state, though this may be skewed by the typically low income of college students residing in Burlington. The poverty rate has remained higher in Burlington in comparison to the national average, with the Old North End having a particularly high rate.

Population Growth: 1970-2000.

Population Growth: Burlington, Chittenden County, Vermont, 1970-2000

Source: U.S. Bureau of the Census

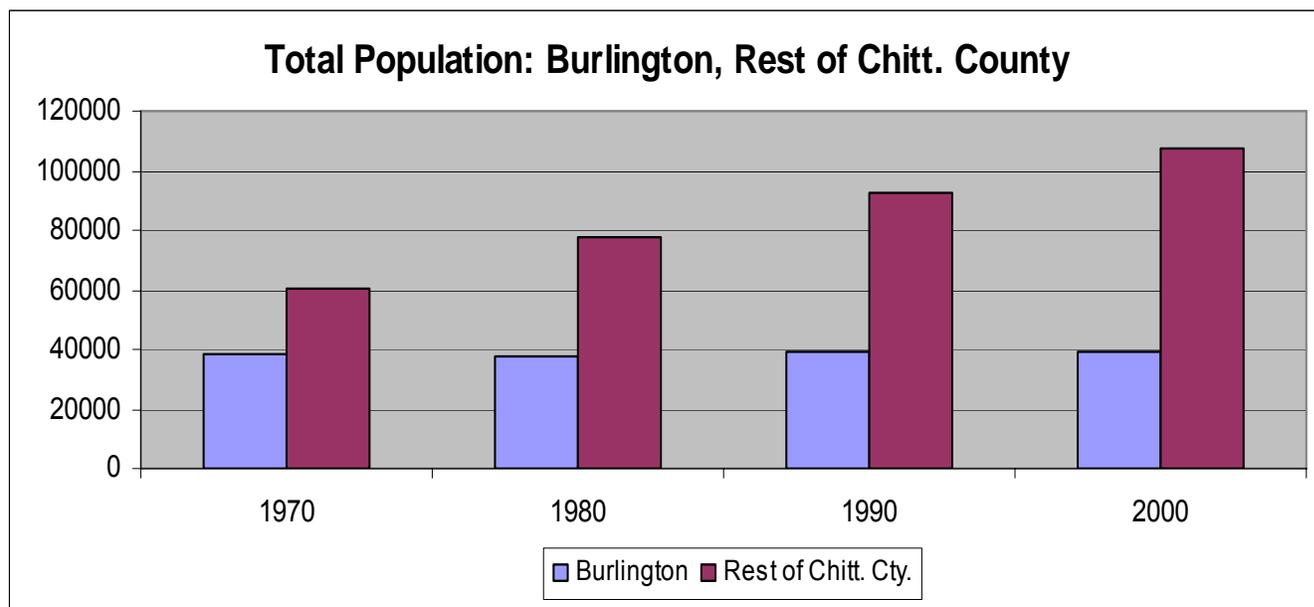
1970: U.S. Census 1970, (VT/Part 47), Tables 1 (P. 47-7) & 10 (P. 47-15)

1980: U.S. Census 1980, (VT/Part 47), Table 4 (P. 47-11)

1990: U.S. Census 1990, (SF3), Table P001

2000: U.S. Census 2000, (SF1), Table 5 PHC-3-47

	POPULATION				PERCENT CHANGE		
	1970	1980	1990	2000	1970-2000	1980-2000	1990-2000
Burlington	38633	37712	39127	38889	0.663%	3.121%	-0.608%
Rest of Chitt. Cnty.	60498	77822	92634	107682	77.993%	38.370%	16.245%
Vermont	444732	511456	562758	608827	36.898%	19.038%	8.186%



This section addresses population growth from 1970 to 2000 for Burlington, Chittenden County, and the State of Vermont. It is interesting to note that over this thirty year time period the population of Burlington has remained almost unchanged. In fact, Burlington's population actually declined between 1970 and 1980 and again from 1990 to 2000. Over the same time period the populations of both Chittenden County and Vermont were rapidly increasing. Chittenden County has been growing at a rate almost double that of the State.

Birth Rates: 1981-2003.

Birth Rates: Burlington and Chittenden County, 1981-2003

Source: Vermont Department of Health
 1981-91: Vital Statistics, Table 3
 1992-2003: Vital Statistics, Table A-3

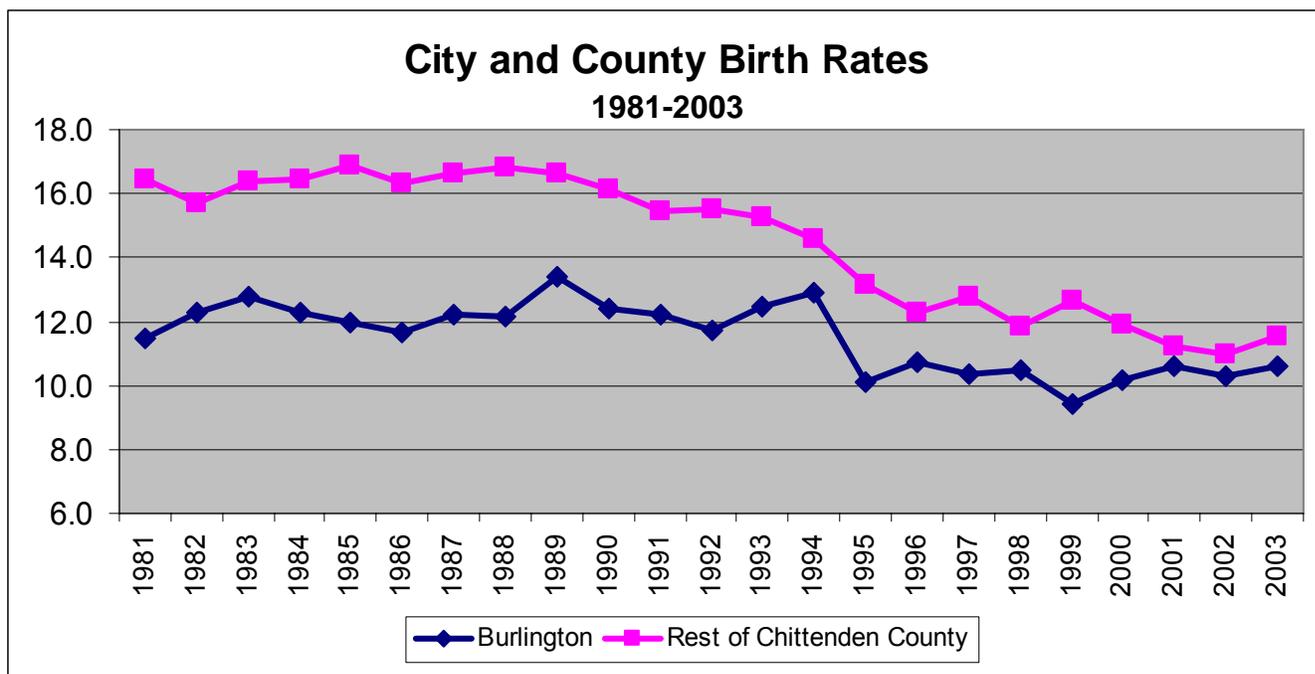
POPULATION			
	Burlington	Chittenden County	Rest of Chitt. County
1981	37712	115534	77822
1982	37838	117248	79410
1983	37894	119646	81752
1984	37817	121676	83859
1985	38275	123087	84812
1986	37867	124835	86968
1987	37661	126723	89062
1988	37725	129063	91338
1989	38296	132478	94182
1990	39127	131761	92634
1991	38869	133394	94525
1992	38518	133422	94904
1993	39295	136773	97478
1994	39435	138770	99335
1995	40259	141179	100920
1996	39391	141798	102407
1997	39690	141975	102285
1998	40727	143491	102764
1999	39982	144001	104019
2000	39815	146571	106756
2001	38991	147691	108700
2002	38885	148273	109388
2003	39148	148990	109842

BIRTHS BY RESIDENCE			
	Burlington	Chittenden County	Rest of Chitt. County
1981	433	1714	1281
1982	464	1709	1245
1983	485	1826	1341
1984	465	1846	1381
1985	459	1890	1431
1986	441	1861	1420
1987	459	1942	1483
1988	459	1993	1534
1989	513	2082	1569
1990	485	1980	1495
1991	476	1936	1460
1992	452	1924	1472
1993	489	1975	1486
1994	509	1956	1447
1995	407	1731	1324
1996	423	1683	1260
1997	411	1719	1308
1998	426	1646	1220
1999	376	1691	1315
2000	404	1674	1270
2001	413	1630	1217
2002	401	1600	1199
2003	414	1684	1270

The birth rates for Chittenden County and Vermont were compiled from the Vermont Department of Health's Vital Statistics document from 1981 to 2003. After analyzing the data, it is apparent that the birth rates in Chittenden County have been steadily decreasing since the early 1990's. However, the birth rates in Burlington sharply declined in 1995 and have been consistently lower since then. This information is interesting to consider, especially given Chittenden County's rapid population growth during this time.

Birth Rates: 1981-2003.

BIRTHRATE (per 1000 people)			
	Burlington	Chittenden County	Rest of Chitt. County
1981	11.5	14.8	16.5
1982	12.3	14.6	15.7
1983	12.8	15.3	16.4
1984	12.3	15.2	16.5
1985	12.0	15.4	16.9
1986	11.6	14.9	16.3
1987	12.2	15.3	16.7
1988	12.2	15.4	16.8
1989	13.4	15.7	16.7
1990	12.4	15.0	16.1
1991	12.2	14.5	15.4
1992	11.7	14.4	15.5
1993	12.4	14.4	15.2
1994	12.9	14.1	14.6
1995	10.1	12.3	13.1
1996	10.7	11.9	12.3
1997	10.4	12.1	12.8
1998	10.5	11.5	11.9
1999	9.4	11.7	12.6
2000	10.1	11.4	11.9
2001	10.6	11.0	11.2
2002	10.3	10.8	11.0
2003	10.6	11.3	11.6



Educational Attainment: Burlington, 1980-2000.

Educational Attainment in the City of Burlington: 1980 to 2000

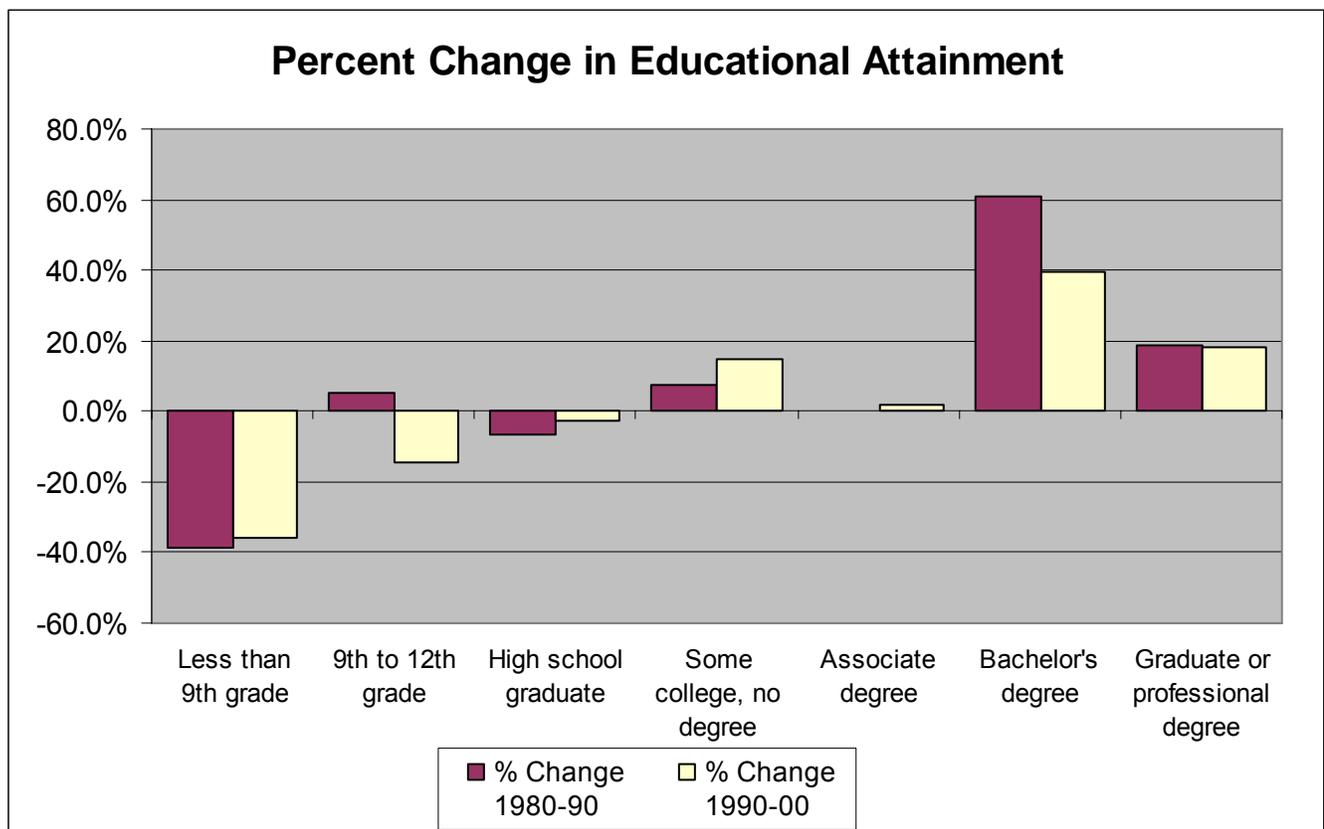
Source: U.S. Census Bureau

1980: U.S. Census 1980, General Social & Economic Characteristics of Vermont, Table 119 (P. 47-104)

1990: U.S. Census 1990, General Social & Economic Characteristics of Vermont, Table 119 (P. 47-104)

2000: U.S. Census 2000, (SF3), Table P37

	1980		1990		2000		% Change 1980-90	% Change 1990-00
	Count	%	Count	%	Count	%		
Persons 25 yrs & over	18,578	100.0%	20,932	100.0%	22,629	100.0%	12.7%	8.1%
Less than 9th grade	2,856	15.4%	1,746	8.3%	1,119	4.9%	-38.9%	-35.9%
9th to 12th grade	1,855	10.0%	1,947	9.3%	1,664	7.4%	5.0%	-14.5%
High school graduate	5,659	30.5%	5,288	25.3%	5,152	22.8%	-6.6%	-2.6%
Some college, no degree	3,026	16.3%	3,249	15.5%	3,738	16.5%	7.4%	15.1%
Associate degree		0.0%	1,417	6.8%	1,443	6.4%		1.8%
Bachelor's degree	2,660	14.3%	4,286	20.5%	5,977	26.4%	61.1%	39.5%
Grad. or professional degree	2,522	13.6%	2,999	14.3%	3,536	15.6%	18.9%	17.9%

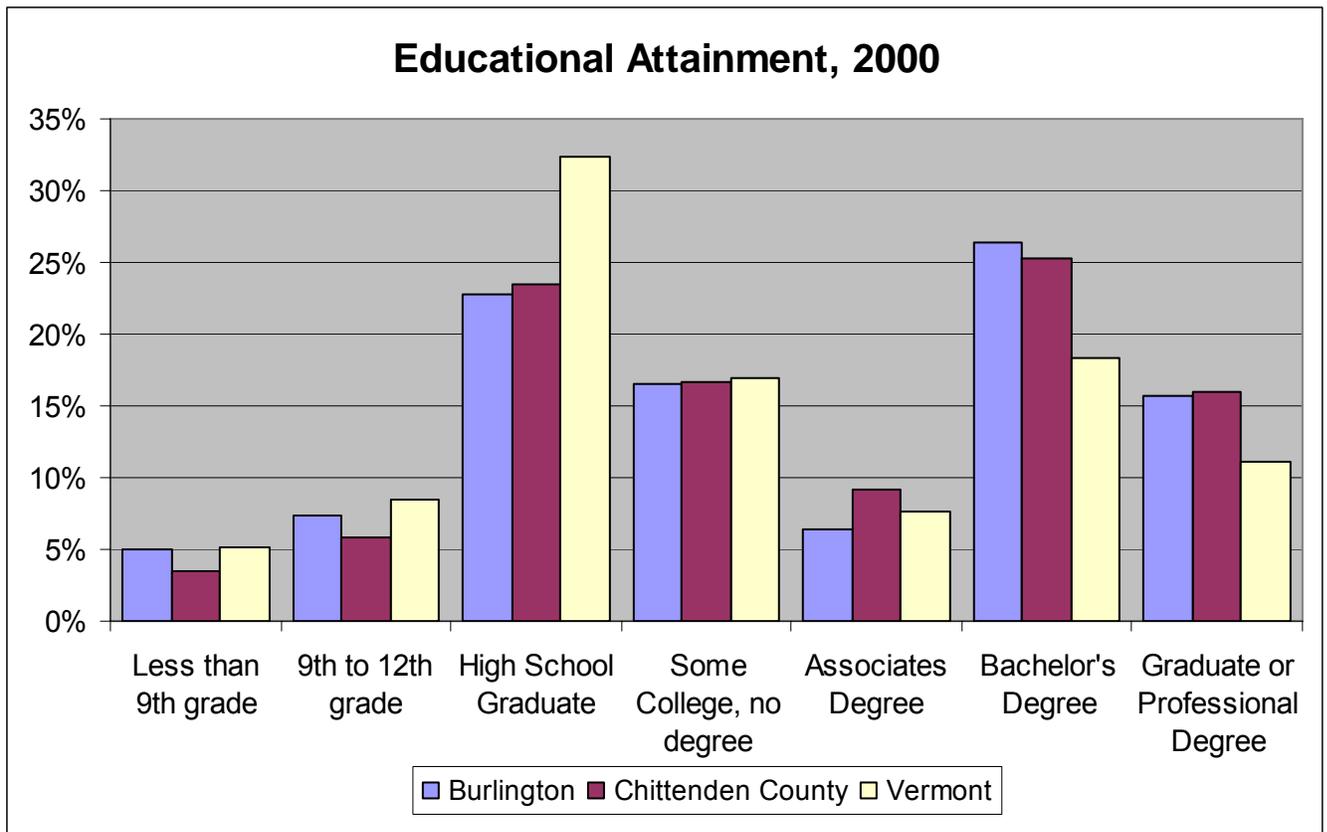


Educational Attainment: 2000.

Educational Attainment: Burlington, Chittenden County, Vermont, U.S., 2000

Source: U.S. Census Bureau
U.S. Census 2000 (SF3), Table QT-P20

	Burlington		Chittenden County		Vermont		U.S.	
Persons 25 yrs and over	22,629	100%	92,651	100%	404,223	100%	182211639	100%
Less than 9th grade	1,119	5%	3,234	3%	20,769	5%	13755477	8%
9th to 12th grade	1,664	7%	5,459	6%	34,127	8%	21960148	12%
High School Graduate	5,152	23%	21,784	24%	130,804	32%	52168981	29%
Some College, no degree	3,738	17%	15,481	17%	68,440	17%	38351595	21%
Associates Degree	1,443	6%	8,555	9%	31,058	8%	11512833	6%
Bachelor's Degree	5,977	26%	23,391	25%	74,124	18%	28317792	16%
Grad. or Professional Degree	3,536	16%	14,747	16%	44,901	11%	16144813	9%



In analyzing educational attainment, Burlington, Chittenden County, Vermont, and the U.S. were examined. Data on educational attainment in Burlington from the 2000 census was compared to that of 1990 and 1980. The largest changes from 1990 to 2000 were a 35.9 percent decrease in the number of persons with less than a 9th grade education and a 39.5 percent increase in the number of persons with a bachelor's degree. It is interesting that the largest percent change occurred between 1980 and 1990, in which there was a 61.1% increase in persons with their bachelor's degree. Educational attainment is compared between Burlington, Chittenden County, and Vermont. Large differences occur in the percent that have graduated from high school, in which Vermont is higher than Burlington or Chittenden County, and in the percent that have attained bachelor's degrees, in which Burlington and Chittenden County are higher than Vermont.

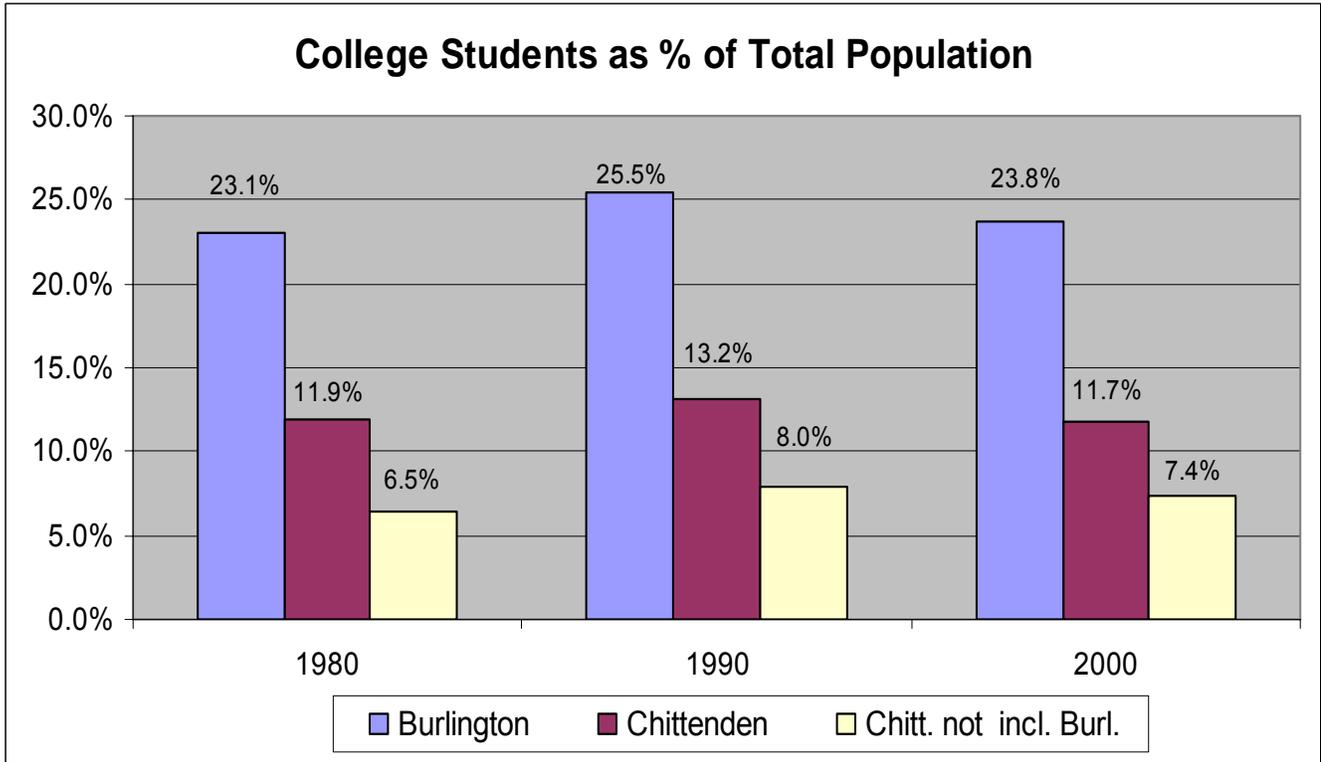
College Student Population: 1980-2000.

Percent College Student Population: Burlington and Chittenden County, 1980- 2000

Source: U.S. Census Bureau

1980: U.S. Census 1980, General Social & Economic Characteristics of Vermont, Table 119 & 175

1990: U.S. Census 2000 (SF3), Table P054



The number of college students relative to the local county and state population has stayed fairly constant over a twenty-year period (1980-2000) regardless of population growth. Burlington has the highest concentration of college students with the University of Vermont, Champlain College, and the Community College of Vermont being the largest local institutions. The chart does not include recent changes. The University of Vermont and Champlain College have grown considerably over the years since 2000. We expect that data retrieved from the next census will reflect those changes.

Occupations: 2000.

Occupational Breakdown of Residents: Burlington, Chittenden County, Vermont 2000

Source: U.S. Census Bureau
U.S. Census: 2000, (SF 3) Series P50

	Burlington		Chittenden		Vermont	
Employed Persons 16 yrs & over	21,335	100.0%	80,787	100.0%	317,134	100.0%
Management, business, and financial operations occupations:	2,492	11.7%	12,197	15.1%	42,491	13.4%
Professional and related occupations:	5,880	27.6%	23,172	28.7%	72,645	22.9%
Sales and related occupations	2,543	11.9%	8,814	10.9%	32,546	10.3%
Office and administrative support occupations	3,556	16.7%	11,997	14.9%	45,062	14.2%
Service occupations (except Protective)	3,335	15.6%	9,485	11.7%	42,397	13.4%
Protective service occupations:	170	0.8%	962	1.2%	3,987	1.3%
Farming, fishing, and forestry occupations	37	0.2%	260	0.3%	4,160	1.3%
Construction and extraction occupations:	731	3.4%	3,103	3.8%	17,998	5.7%
Installation, maintenance, and repair occupations	378	1.8%	2,339	2.9%	11,564	3.6%
Production occupations	1307	6.1%	5,242	6.5%	28,756	9.1%
Transportation and material moving occupations:	906	4.2%	3,216	4.0%	15,528	4.9%

For occupation, we analyzed the occupations of residents of the city Burlington in 1980, 1990, and 2000, as well as the breakdown by gender in 1990 and 2000 for six aggregated sectors. It is important to note that the codes for designations of occupations changed in the 1990s. However, a conversion formula to recode 1990 data to be compatible with the 2000 codes is available and was used for comparison. Therefore, an occupational comparison is made between 1980 and 1990 and between 1990 and 2000. Between 1990 and 2000 there was a large decrease in protective service occupations and farming, fishing, and forestry occupations, as well as an increase in transportation and material moving occupations.

The majority of both males and females work in management, professional, and related occupations or sales and services occupations, though more females work in the latter. In contrast, more males work in construction, extraction, and maintenance. Comparing 1990 and 2000, there was a decrease in males in production, transportation, and material moving occupations while there was an increase in females.

Occupations: Burlington, 1980-1990.

Occupational Breakdown of Residents: Burlington, 1980-1990

Source: U.S. Census Bureau

1980 US Census Table 121 p.47-108

1990 US Census (SF3) Series PO78, Table 174 p. 215

1980 SOC	1980	1990	% Change 1980-90
Employed pers. 16 yrs & over	17,456	20,862	19.5%
Executive, administrative, and managerial occupations	1,921	2,610	35.9%
Professional specialty occupations	3,008	3,921	30.4%
Technicians and related support occupations	838	1,022	22.0%
Sales	1,747	2,927	67.5%
Administrative support including clerical	3,163	3,337	5.5%
Private household	104	100	-3.8%
Protective service	315	279	-11.4%
Service except household or protective	2,646	3,187	20.4%
Farming, forestry, & fishing	205	211	2.9%
Precision production, craft & repair	1,503	1,630	8.4%
Machine operators, assembler & inspectors	1,064	834	-21.6%
Transportation & material moving	454	316	-30.4%
Handlers, equipment cleaners, helpers, & laborers	488	488	0.0%

Occupations: Burlington, 1990-2000.

Occupational Breakdown of Residents: Burlington, 1990-2000

Source: U.S. Census Bureau
 1990 US Census (SF3) Series PO78, Table 174 p. 215
 2000: U.S. Census (SF3) Series PO50

SF-3 / Demographic Profile Category (1998 SOC)	1990	2000	% Change 1990-2000
Total	20,862	21,335	2.3%
Management, business, and financial operations occupations:	2,466	2,492	1.1%
Professional and related occupations:	4,912	5,880	19.7%
Sales and related occupations	2,995	2,543	-15.1%
Office and administrative support occupations	3,421	3,556	4.0%
Service occupations except Protective	3,428	3,335	-2.7%
Protective service occupations:	291	170	-41.5%
Farming, fishing, and forestry occupations	80	37	-53.6%
Construction and extraction occupations:	796	731	-8.2%
Installation, maintenance, and repair occupations	528	378	-28.4%
Production occupations	1,321	1,307	-1.1%
Transportation and material moving occupations:	625	906	45.0%

NOTE: 1990 Data is not directly comparable to 2000 due to the 1998 revision of the Standard Occupational Classification (SOC), maintained by the BLS. We utilized the 'US Census Bureau Occupation Crosswalk Template,' an excel spreadsheet that automates the process of reclassification. It is available at:
http://www.census.gov/hhes/www/ioindex/occcross_menu.html

Occupation by Gender: Burlington, 1990.

Occupation of Employed Persons by Gender: Burlington 1990

Source: U.S. Census Bureau

1990: US Census 1990 (SF3) Series PO78, Table 174 p. 215

2000: U.S. Census (SF3) Series PO50

EMPLOYMENT BY GENDER, BURLINGTON 1990						
OCCUPATION	TOTAL		MALE		FEMALE	
Management, professional, & related occupations	7,378	35.8%	3,795	37.0%	3,583	34.7%
Service occupations	3,719	18.1%	1,758	17.1%	1,960	19.0%
Sales & office	6,415	31.2%	2,202	21.5%	4,213	40.8%
Farming, fishing, & forestry	80	0.4%	76	0.7%	4	0.0%
Construction, extraction, & maintenance	1,324	6.4%	1,160	11.3%	163	1.6%
Production, transportation, & material moving	1,674	8.1%	1,274	12.4%	400	3.9%
TOTAL	20,589	100.0%	10,266	100.0%	10,323	100.0%

NOTE: 1990 Data is not directly comparable to 2000 due to the 1998 revision of the Standard Occupational Classification (SOC), maintained by the BLS. We utilized the 'US Census Bureau Occupation Crosswalk Template,' an excel spreadsheet that automates the process of reclassification. It is available at:

http://www.census.gov/hhes/www/ioindex/occcross_menu.html

Occupations by Gender: Burlington 2000.

Occupation of Employed Persons by Gender: Burlington 2000

Source: U.S. Census Bureau

1990: US Census 1990 (SF3) Series PO78, Table 174 p. 215

2000: U.S. Census (SF3) Series PO50

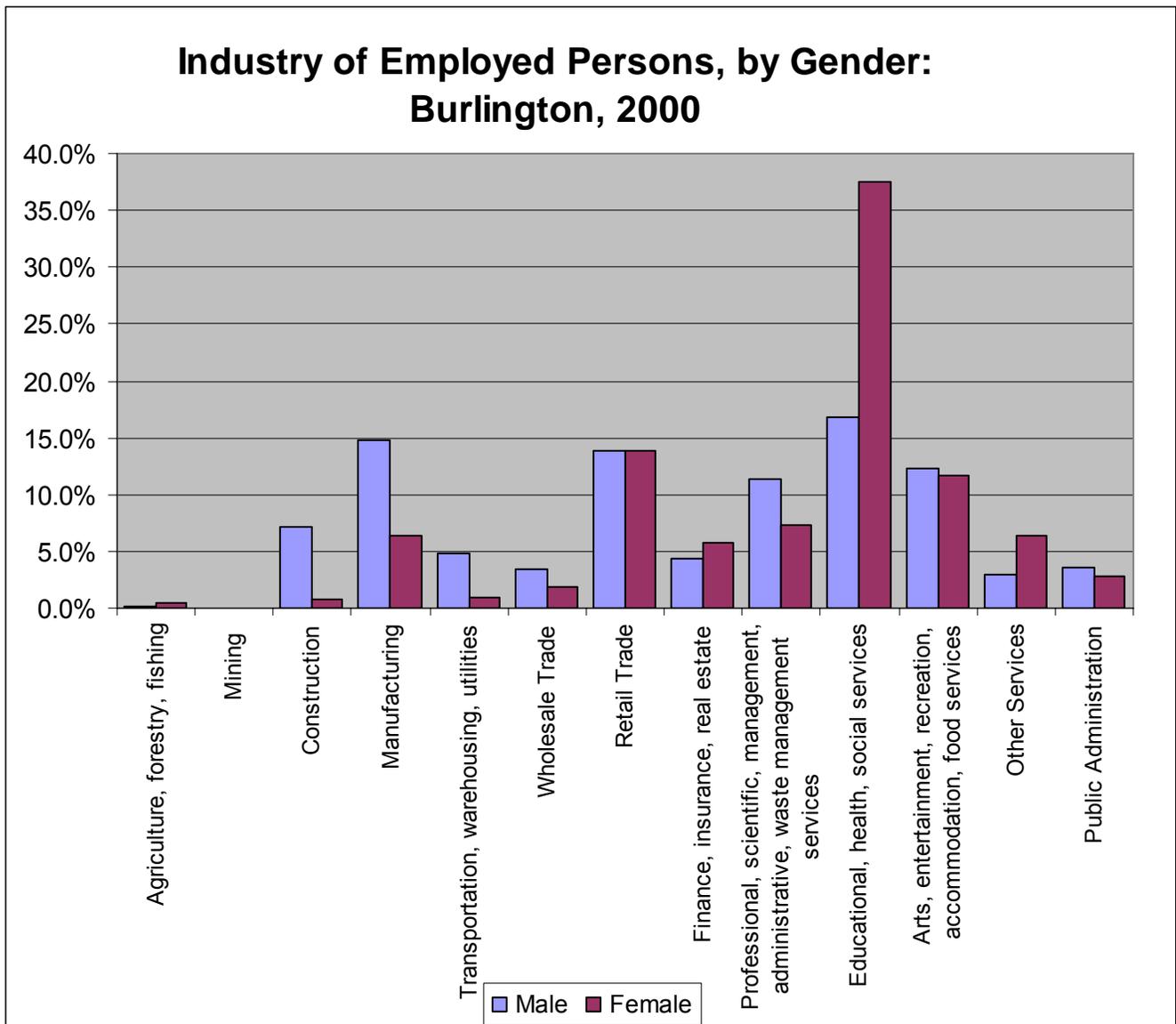
EMPLOYMENT BY GENDER, BURLINGTON 2000						
OCCUPATION	TOTAL		MALE		FEMALE	
Managerial, Professional and Related Occupations	8,372	39.2%	4,103	38.7%	4,269	39.8%
Service Occupations:	3,541	16.6%	1,573	14.8%	1,968	18.3%
Sales and Office	6,099	28.6%	2,235	21.1%	3,864	36.0%
Farming, fishing, & forestry	37	0.2%	18	0.2%	19	0.2%
Construction, extraction, and maintenance	1,109	5.2%	1,031	9.7%	78	0.7%
Production, transportation, and material moving	2,213	10.4%	538	5.1%	1,675	15.6%
TOTAL	21,335	100.0%	10,599	100.0%	10,736	100.0%

EMPLOYMENT BY GENDER, BURLINGTON % Change 1990-2000			
OCCUPATION	TOTAL	MALE	FEMALE
Managerial, Professional and Related Occupations	13.5%	8.1%	19.2%
Service Occupations:	-4.8%	-10.5%	0.4%
Sales and Office Occupations	-4.9%	1.5%	-8.3%
Farming, Fishing, and Forestry Occupations	-53.6%	-76.2%	354.7%
Construction, extraction, and maintenance	-16.2%	-11.2%	-52.2%
Production, Transportation, and material moving occs.	32.2%	-57.8%	318.8%

Industry by Gender: Burlington, 2000.

Industry Breakdown of Employed Persons, by Totals and Gender: Burlington, 2000

Source: U.S. Census Bureau
U.S. Census 2000 (SF3), Table P49



Industry by Gender: Burlington, 2000.

INDUSTRY	MALE		FEMALE		TOTAL	
Agriculture, forestry, fishing	17	0.2%	51	0.5%	68	0.3%
Mining	0	0.0%	0	0.0%	0	0.0%
Construction	767	7.2%	83	0.8%	850	4.0%
Manufacturing	1,561	14.7%	681	6.3%	2,242	10.5%
Transportation, warehousing, utilities	506	4.8%	108	1.0%	614	2.9%
Wholesale Trade	367	3.5%	201	1.9%	568	2.7%
Retail Trade	1,463	13.8%	1,486	13.8%	2,949	13.8%
Finance, insurance, real estate	465	4.4%	621	5.8%	1,086	5.1%
Professional, scientific, management, administrative, waste management services	1,199	11.3%	791	7.4%	1,990	9.3%
Educational, health, social services	1,777	16.8%	4,021	37.5%	5,798	27.2%
Arts, entertainment, recreation, accommodation, food services	1,298	12.2%	1,253	11.7%	2,551	12.0%
Other Services	313	3.0%	684	6.4%	997	4.7%
Public Administration	372	3.5%	305	2.8%	677	3.2%
Total Employed	10599	100%	10736	100%	21335	100%

This table and chart compare the industry of employed persons by gender for Burlington. The information was collected from the U.S. Census Bureau's 2000 decennial census. The industry with the greatest gender difference was 'education, health, and social services'; a predominately female field. However, 'construction' and 'manufacturing' had notable differences as well, both of which primarily consist of male workers. According to this information, the industry with the most equal ratio of male and female workers is retail trade.

Per Capita Income: 1982-2004.

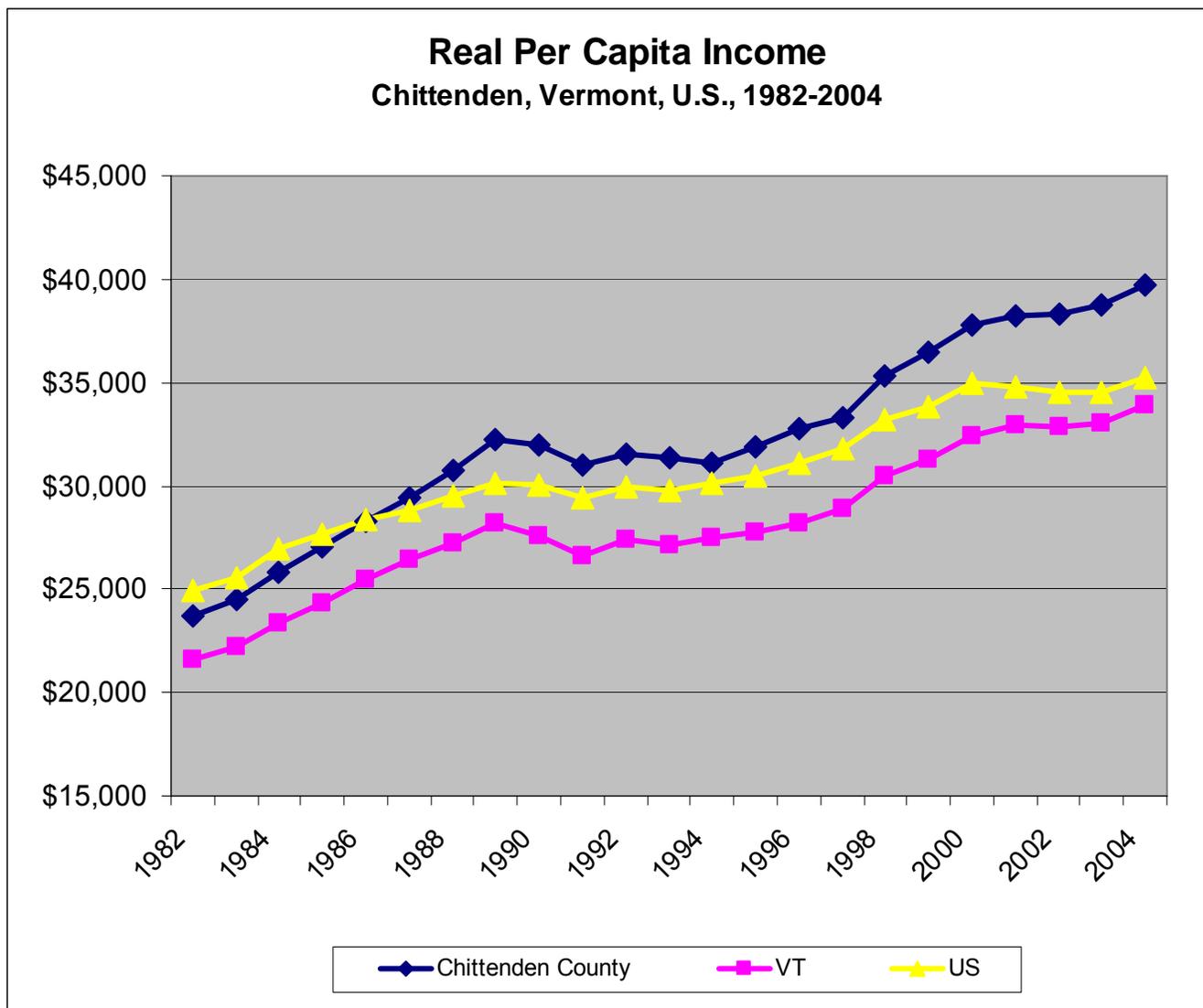
Real Per Capita Personal Income: Chittenden County, Vermont, U.S., 1982-2004 (2006 Dollars)

Source: Bureau of Economic Analysis, U.S. Department of Commerce
Regional Economic Information System

PER CAPITA PERSONAL INCOME (2006 Dollars): Chittenden, Vermont, U.S., 1982-2004			
	Chittenden Cnty.	VT	US
1982	\$23,705.24	\$21,568.07	\$24,933.64
1983	\$24,532.05	\$22,182.07	\$25,540.05
1984	\$25,823.82	\$23,361.54	\$26,953.09
1985	\$27,039.88	\$24,296.92	\$27,650.68
1986	\$28,262.63	\$25,446.48	\$28,404.26
1987	\$29,428.99	\$26,397.89	\$28,820.28
1988	\$30,768.28	\$27,252.64	\$29,534.49
1989	\$32,223.48	\$28,232.13	\$30,109.94
1990	\$31,944.42	\$27,573.08	\$30,042.56
1991	\$31,024.49	\$26,620.97	\$29,443.67
1992	\$31,543.29	\$27,394.90	\$29,965.55
1993	\$31,358.91	\$27,184.61	\$29,780.99
1994	\$31,114.69	\$27,513.91	\$30,161.10
1995	\$31,868.41	\$27,782.17	\$30,525.73
1996	\$32,754.54	\$28,221.43	\$31,062.33
1997	\$33,288.49	\$28,892.23	\$31,821.40
1998	\$35,339.37	\$30,461.39	\$33,249.16
1999	\$36,470.72	\$31,318.18	\$33,808.54
2000	\$37,745.56	\$32,405.85	\$34,940.49
2001	\$38,247.08	\$32,956.08	\$34,803.60
2002	\$38,277.11	\$32,824.16	\$34,526.38
2003	\$38,766.37	\$33,029.53	\$34,495.51
2004	\$39,705.27	\$33,916.61	\$35,272.00

REAL PER CAPITA INCOME (2006 Dollars): Chittenden as a % of the US							
1982	1983	1984	1985	1986	1987	1988	1989
0.9507331	0.96053257	0.95810237	0.9779103	0.9950136	1.0211207	1.0417749	1.0701944
1990	1991	1992	1993	1994	1995	1996	1997
1.0633054	1.0536899	1.0526518	1.0529842	1.0316165	1.0439851	1.0544778	1.046104
1998	1999	2000	2001	2002	2003	2004	
1.062865	1.078743	1.0802815	1.0989403	1.1086336	1.1238089	1.1256884	

Per Capita Income: 1982-2004.



These figures express real per capita personal income in 2006 dollars. A clear upward trend is apparent across the last two decades. Income has risen in all localities, with similar trends visible across the geographic regions. However state and county levels of income have changed relative to the national average. The Vermont state figures were on average \$2,700 less than the national average until 2000 when a decline in the National average began to close the gap, to a five year average of \$1,700 by 2004. Chittenden County surpassed the national average in 1987 and remained about \$1,600 above it until 2000 when the national average began to decline and the gap expanded to an average of \$3,700.

Per Capita Income: 1979, 1989, 1999.

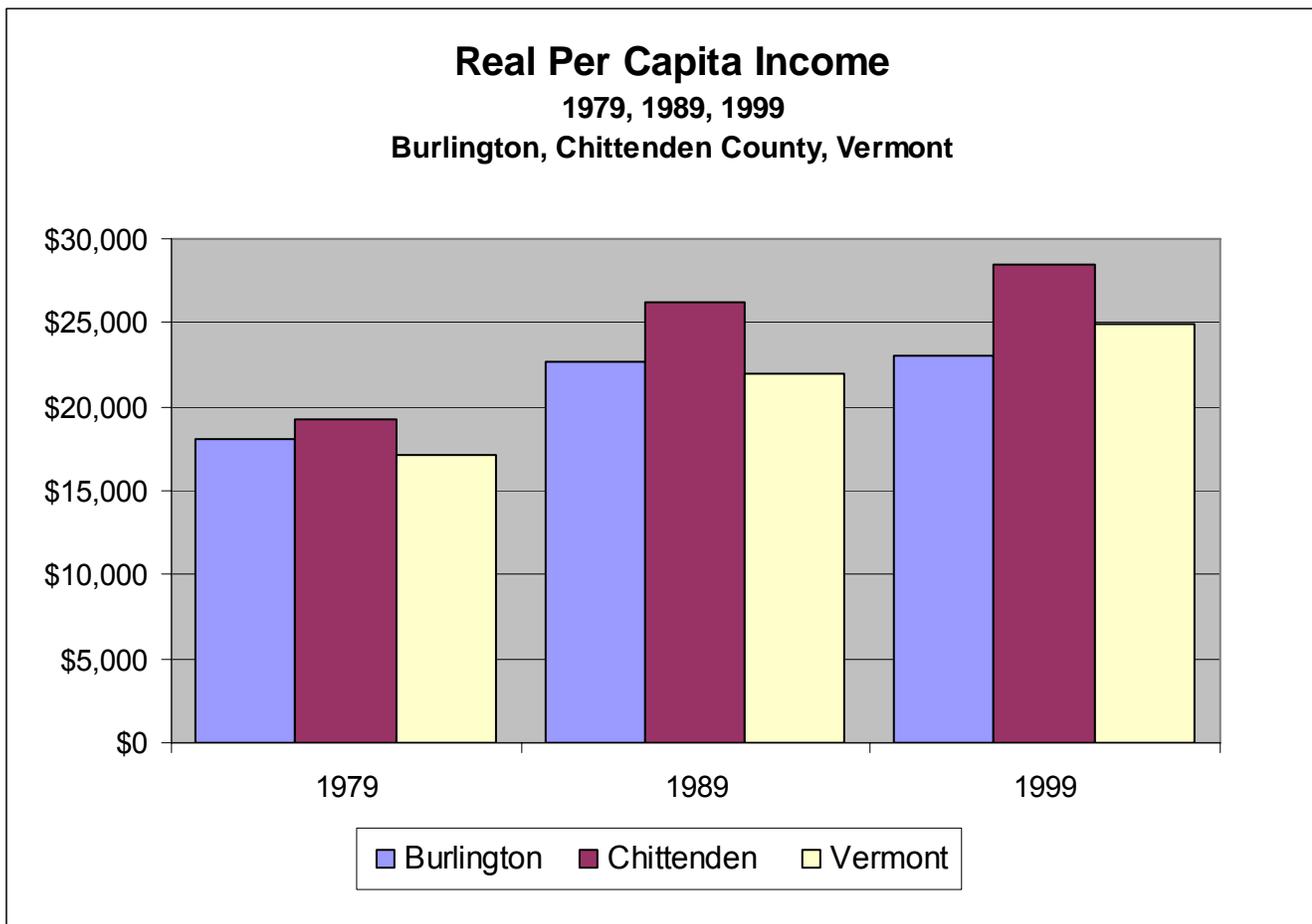
Real Per Capita Income: Burlington, Chittenden County, Vermont (2006 Dollars)

Source: U.S. Census Bureau

1989 U.S. Census 1990 (SF3) Series P114A

1990 U.S. Census 2000 (SF3) Series P82

	1979	1989	1999
Burlington	\$18,116.23	\$22,627.97	\$23,004.91
Chittenden	\$19,229.75	\$26,168.98	\$28,438.18
Vermont	\$17,155.44	\$21,992.28	\$24,957.98



These figures show real per capita income as taken from the US Census. These figures are different from those on the previous page, which are taken from the Bureau of Economic Analysis National Income and Product Accounts tabulations. Although the figures from both sources exhibit similar relative trends (Chittenden County above US average, State of Vermont below US average) their absolute values are quite different. This discrepancy is due to the different methods in which this data is collected. While the BEA data is derived from macro-level tabulations of the National Income Accounts compiled every quarter, the Census data is reported by individual respondents every decade, and thus may be affected by response and recall bias.

Household Income: 1999.

Distribution of Household Income: Burlington, Chittenden County, Vermont, 1999

Source: U.S. Census Bureau
 U.S. Census 2000 (SF3) Series P52
 U.S. Census 2000 (SF3) Series P53

	Burlington		Chittenden County		Vermont	
Households	15,869	100.0%	56,500	100.0%	240,744	100.0%
Less than \$10,000	2,016	12.7%	3,703	6.6%	19,552	8.1%
\$10,000 to \$14,999	1,225	7.7%	2,628	4.7%	15,240	6.3%
\$15,000 to \$19,999	1,248	7.9%	2,978	5.3%	16,581	6.9%
\$20,000 to \$24,999	1,417	8.9%	3,373	6.0%	17,187	7.1%
\$25,000 to \$29,999	1,171	7.4%	3,174	5.6%	16,806	7.0%
\$30,000 to \$34,999	1,218	7.7%	3,708	6.6%	16,616	6.9%
\$35,000 to \$39,999	1,059	6.7%	3,454	6.1%	15,537	6.5%
\$40,000 to \$44,999	869	5.5%	3,365	6.0%	15,024	6.2%
\$45,000 to \$49,999	778	4.9%	3,103	5.5%	14,310	5.9%
\$50,000 to \$59,999	1,151	7.3%	5,472	9.7%	23,794	9.9%
\$60,000 to \$74,999	1,318	8.3%	6,825	12.1%	26,030	10.8%
\$75,000 to \$99,999	1,316	8.3%	7,318	13.0%	23,051	9.6%
\$100,000 to \$124,999	467	2.9%	3,388	6.0%	9,590	4.0%
\$125,000 to \$149,999	226	1.4%	1,514	2.7%	4,185	1.7%
\$150,000 to \$199,999	170	1.1%	1,314	2.3%	3,679	1.5%
\$200,000 or more	220	1.4%	1,183	2.1%	3,562	1.5%
Median Household Income	33,070		47,673		40,856	

Considering that the cost of living in Burlington is usually higher than most other cities and towns in Chittenden country and Vermont, Burlington's median household income of \$33,070 in 1999 was significantly lower than the county and state median's of 47,673 and 40,865 respectively. The largest percentage of Burlington households earned less than \$10,000 while the largest percentage of households in Chittenden Country and Vermont earned between \$60,000 and \$99,000. It should be noted however, that the presence of the student population in the city will bring down Burlington's household and per capita income figures because of their typically low income.

Unemployment: 1984-2006.

Average Annual Unemployment Rate: U.S., Vermont, New England, Chittenden County, Burlington, 1984-2006

Source: NE & U.S.: BLS, http://www.bls.gov/xg_shells/ro1xg02.htm#rate

U.S.: Series LNU04000000

N.E.: Series LAURD81000003

VT: LAUST50000003

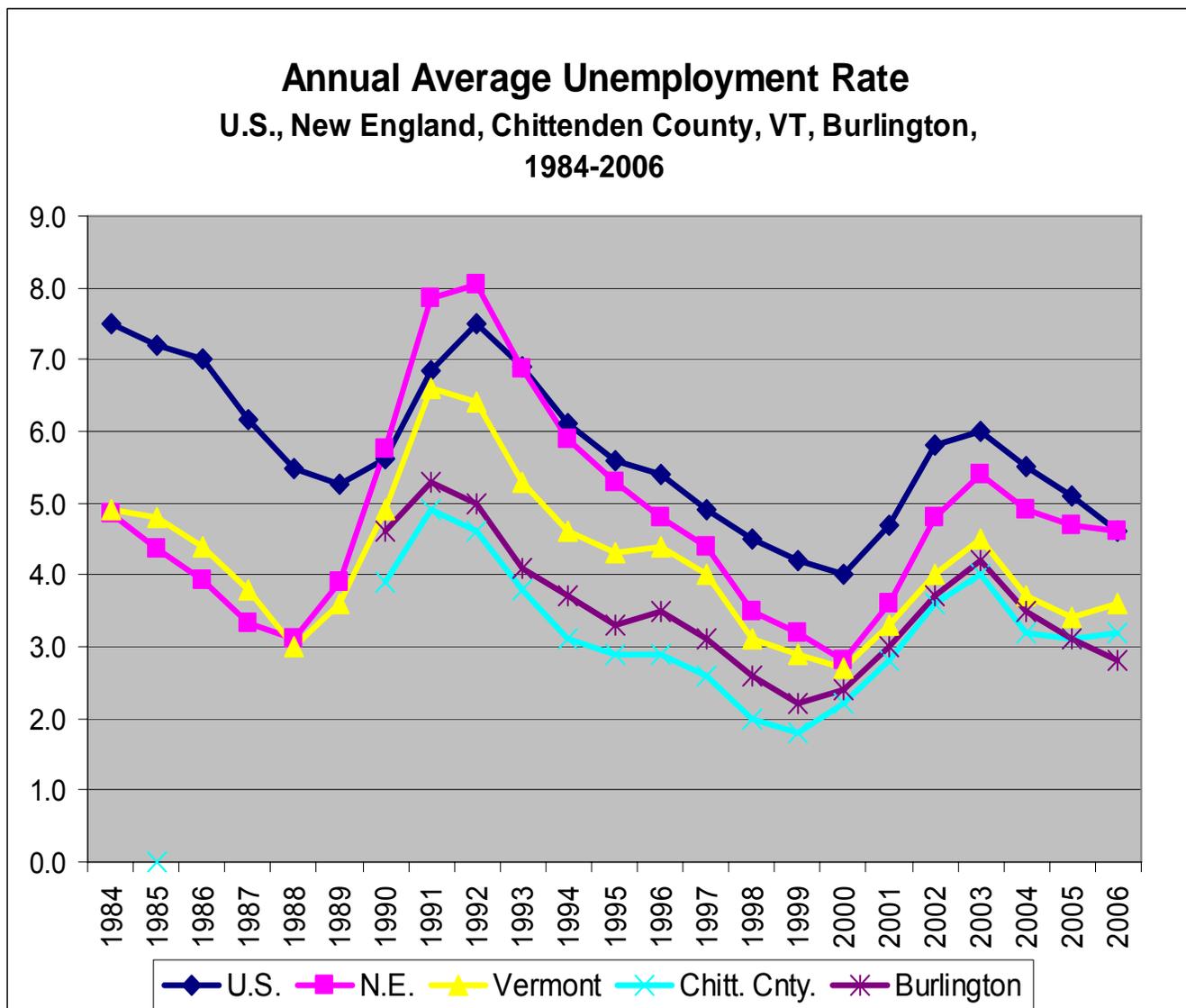
Chitt Cty: LAUPA50010003

Burlington: LAUCT50005003

	U.S.	N.E.	VT	Chitt. Cty.	Burlington
1984	7.5	4.9	4.9	****NOTE****	
1985	7.2	4.4	4.8		
1986	7.0	3.9	4.4		
1987	6.2	3.3	3.8		
1988	5.5	3.1	3.0		
1989	5.3	3.9	3.6		
1990	5.6	5.8	4.9	3.9	4.6
1991	6.9	7.8	6.6	4.9	5.3
1992	7.5	8.1	6.4	4.6	5.0
1993	6.9	6.9	5.3	3.8	4.1
1994	6.1	5.9	4.6	3.1	3.7
1995	5.6	5.3	4.3	2.9	3.3
1996	5.4	4.8	4.4	2.9	3.5
1997	4.9	4.4	4.0	2.6	3.1
1998	4.5	3.5	3.1	2.0	2.6
1999	4.2	3.2	2.9	1.8	2.2
2000	4.0	2.8	2.7	2.2	2.4
2001	4.7	3.6	3.3	2.8	3.0
2002	5.8	4.8	4.0	3.6	3.7
2003	6.0	5.4	4.5	4.0	4.2
2004	5.5	4.9	3.7	3.2	3.5
2005	5.1	4.7	3.4	3.1	3.1
2006	4.6	4.6	3.6	3.2	2.8

****NOTE**** Data not available

Unemployment: 1984-2006.



This section shows unemployment rates in the U.S, New England, Chittenden County, Vermont, and Burlington from 1984 to 2006. The data was gathered from the Bureau of Labor Statistics. However, data for Chittenden County and Burlington between the years of 1984 and 1989 could not be found. The unemployment rates for the geographic regions trend closely together throughout the times series. The rate for Burlington and Chittenden County has been consistently lower than the Vermont and National average.

Unemployment by Age: 1990.

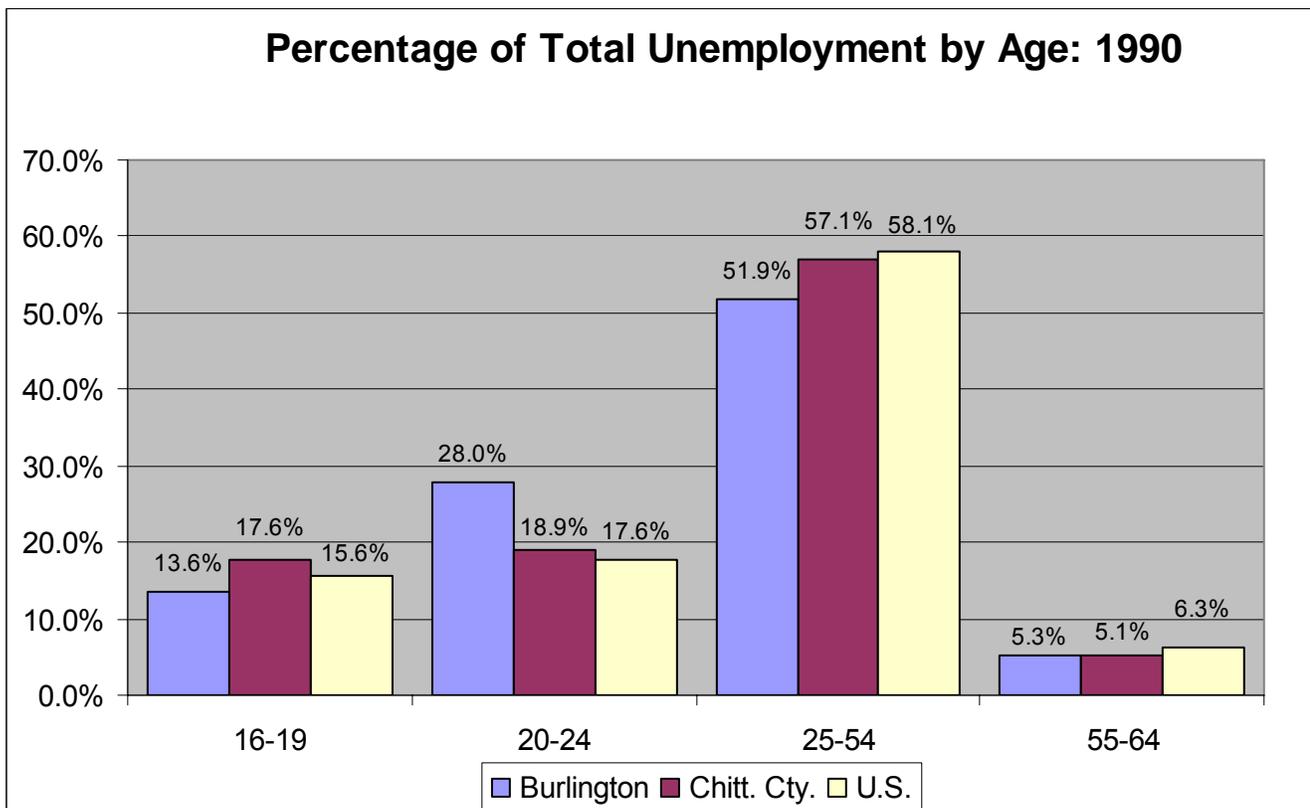
Percent Unemployment by Age: Burlington, Chittenden County, U.S., 1990

Source: U.S. Census Bureau

U.S. Census 1990: Labor Force Characteristics, Table 173

	16-19 yrs.	20-24 yrs.	25-54 yrs.	55-64 yrs.	Total
Burlington	192	394	731	74	1409
Chitt. County	589	634	1912	172	3350
U.S.	1211850	1374257	4530663	494297	7792248

	16-19 yrs.	20-24 yrs.	25-54 yrs.	55-64 yrs.
Burlington	13.6%	28.0%	51.9%	5.3%
Chitt. County	17.6%	18.9%	57.1%	5.1%
U.S.	15.6%	17.6%	58.1%	6.3%



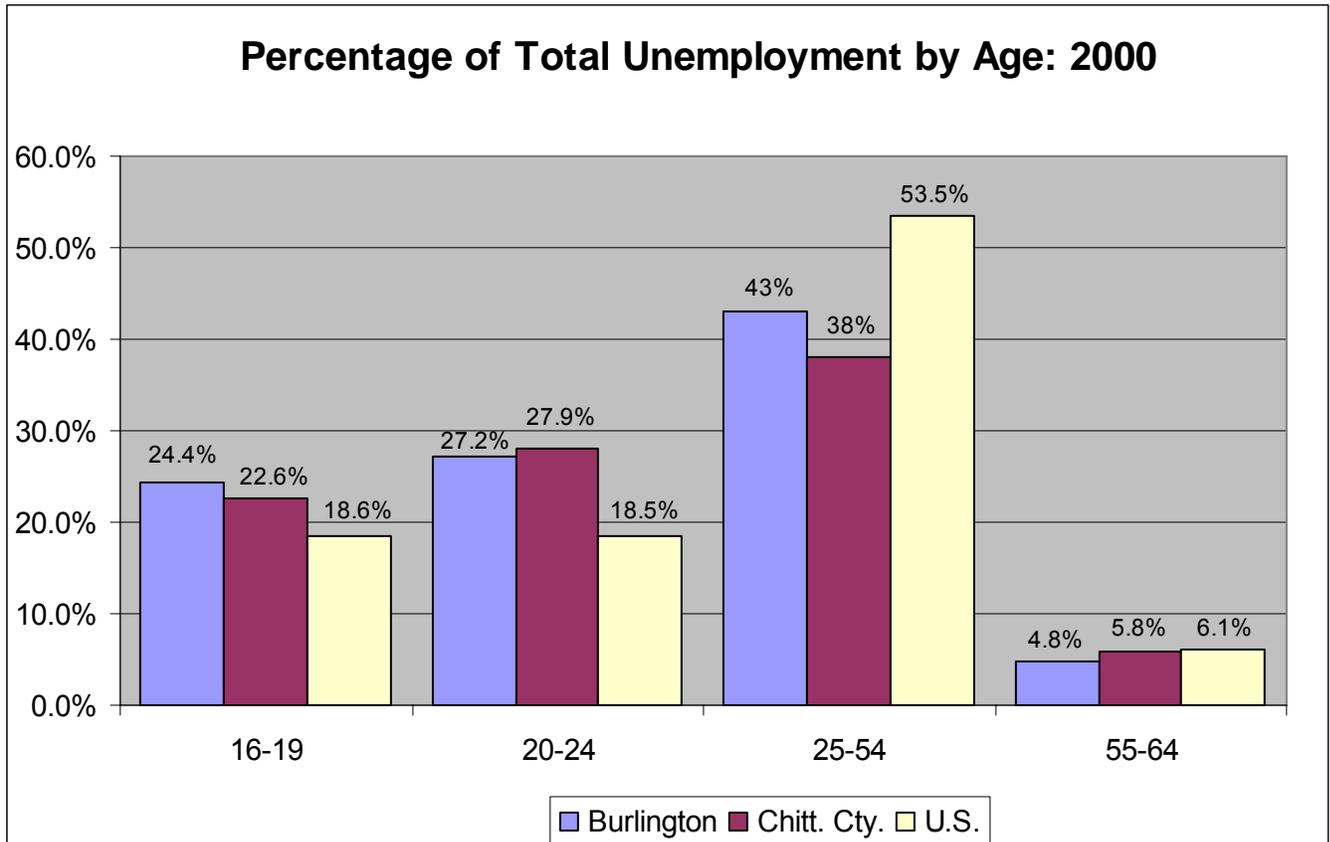
Unemployment by Age: 2000.

Percent Unemployment by Age: Burlington, Chittenden County, U.S., 2000

Source: U.S. Census Bureau
U.S. Census 2000: (SF3), Table QT-P24

	16-19 yrs.	20-24 yrs.	25-54 yrs.	55-64 yrs.	Total
Burlington	298	332	526	59	1,222
Chitt. County	760	941	1,278	196	3367
U.S.	1,474,882	1,466,888	4,251,038	484,631	7,947,286

	16-19 yrs.	20-24 yrs.	25-54 yrs.	55-64 yrs.
Burlington	24.4%	27.2%	43.0%	4.8%
Chitt. County	22.6%	27.9%	38.0%	5.8%
U.S.	18.6%	18.5%	53.5%	6.1%



Included here is a breakdown of unemployment by age in 1990 and 2000. It is important to remember when looking at these charts that the percentages do not show the percentage of unemployed in the age group, but instead the percentage unemployed of the age group in relation to the other age groups. When comparing Burlington and Chittenden County to the U.S., it is interesting to see that the percent of unemployed in the 16 to 24 age group increased from 1990 to 2000 and that in 2000, this age group had a higher unemployment rate than that of the U.S. in both cases. However, from 1990 to 2000, the unemployment rate in the 25 to 54 age group decreased in comparison to the U.S. and in 2000, this age group had a lower unemployment rate than that of the U.S.

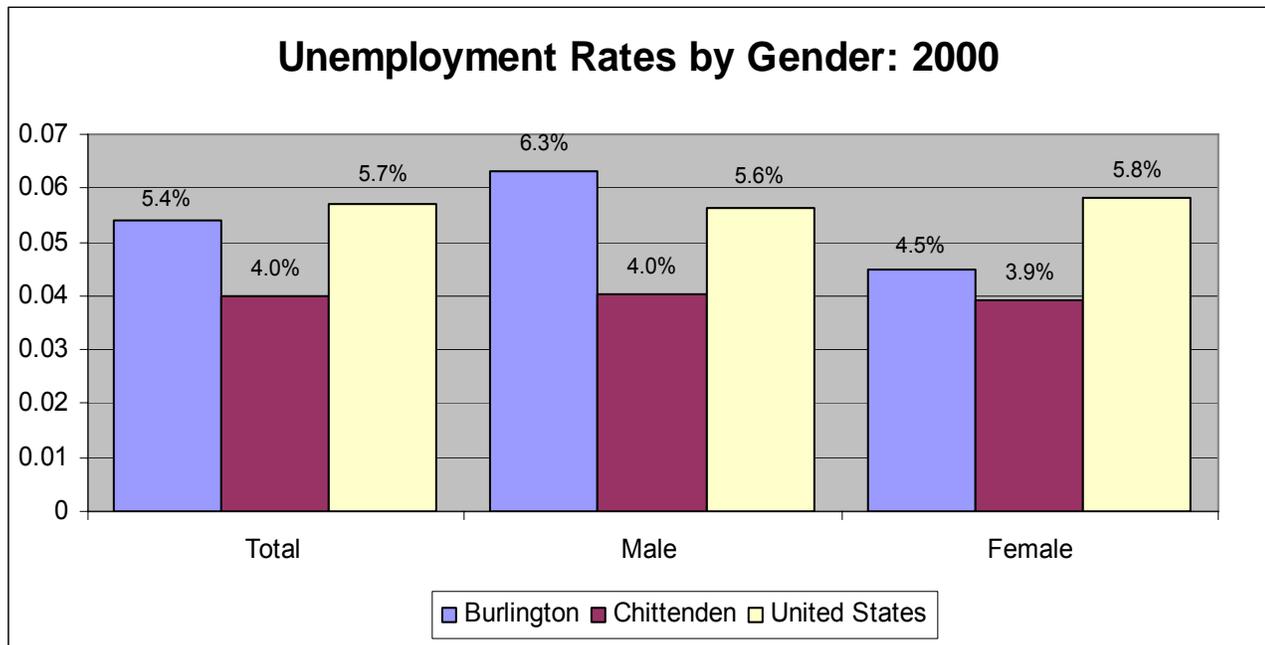
Unemployment by Gender: 2000.

Unemployment Rates by Gender: Burlington, Chittenden County, U.S: 2000

Source: U.S. Census Bureau
U.S. Census 2000, Employment Data, Table P43

	United States	Chitt. Cnty.	Burlington
TOTAL:	217,168,077	116,010	33,294
MALE	104,982,282	55,834	15,787
In labor force:	74,273,203	44,110	11,394
In Armed Forces	987,898	351	77
Civilian	73,285,305	43,759	11,317
Employed	69,091,443	41,981	10,599
Unemployed	4,193,862	1,778	718
Not in labor force	30,709,079	11,724	4,393
FEMALE	112,185,795	60,176	17,507
In labor force:	64,547,732	40,446	11,246
In Armed Forces	164,239	51	6
Civilian	64,383,493	40,395	11,240
Employed	60,630,069	38,806	10,736
Unemployed	3,753,424	1,589	504
Not in labor force	47,638,063	19,730	6,261

	United States	Chitt.Cnty.	Burlington
Male	5.6%	4.0%	6.3%
Female	5.8%	3.9%	4.5%
Total	5.7%	4.0%	5.4%



This sections looks at unemployment in Burlington, Chittenden Country and the United States in 2000, and the data is further broken down by sex. All these data are obtained from the U.S. Census Bureau and the unemployment rate refers to the percent of the labor force that is unemployed. Overall in 2000, Burlington has the same unemployment rate as the United States with the unemployment rate in Chittenden Country being considerably lower. The unemployment rate for males in Burlington is higher than the United States average and the rate in Chittenden County is lower than the U.S. average. Interestingly, unemployment for females in Burlington is lower than the U.S. average. Also note that the unemployment rates using the 2000 census data are significantly different from the unemployment rates measured by the BLS. While there have always been differences, beginning in 1990, the census-based estimates have been considerably higher than BLS.

Employment Destinations: Burlington, 2000.

Major Employment Destinations of Burlington Residents, 2000

Source: U.S. Census Bureau

US Census, 2000 Minor Civil Division/County-to-Minor Civil Division/County Worker Flow Files
<http://www.census.gov/population/www/cen2000/mcdworkerflow.html>

	Total 2000	% of Total	% Change 1990-2000
Employed Burlington Residents	21,335	100.0%	5.1%
Remain in Chittenden Cnty.			
Remain in Burlington	11,154	52.3%	-6.3%
→ <i>Work at home</i>	655	3.1%	2.8%
Colchester town	1,046	4.9%	50.3%
Essex town	1,524	7.1%	21.0%
Shelburne town	419	2.0%	-12.7%
South Burlington city	3,227	15.1%	3.0%
Williston town	1,293	6.1%	73.8%
Winooski city	470	2.2%	-17.0%
Other Counties			
Addison County	131	0.6%	-24.7%
Franklin County	287	1.3%	66.9%
Rutland County	20	0.1%	-81.8%
Washington County	386	1.8%	27.4%
Outside Vermont	220	1.0%	*

* Data not Available

This table exhibits the number of Burlington residents who work in surrounding cities, town and counties. The first column shows the number of Burlington residents who work in each locality. The second column expresses this figure as a proportion of the total of employed Burlington residents. The third column shows the change in the number of Burlington residents employed in each locality between the 1990 and 2000 Censuses.

Although the Burlington labor force has increased modestly since 1990 (5.1%), their work destinations have shifted considerably. In 2000 52.3% of employed Burlington residents worked within Burlington, a slight downturn from 1990. The majority of Burlington workers still remained in Chittenden County (91.9%), however greater numbers of these Burlington residents worked in Williston, Colchester and Essex, while fewer Burlington residents traveled to Shelburne and Winooski than in 1990. South Burlington remained the destination with the highest proportion of Burlington workers, accounting for 15% of employed Burlington residents. Overall, only 8% of employed Burlington residents worked outside of Chittenden County.

These trends indicate that most Burlington residents continue to work semi-locally, with over half remaining in Burlington and over 90% remaining within the county. This trend highlights the potential effectiveness of increased public transportation in reducing traffic congestion and vehicle emissions.

Employment by Company Size: 2006.

Employment by Company Size

Source: Vermont Business Magazine--Vermont at a Glance: 2007-2008

Vermont Department of Education, 2006 Teacher/Staff FTE and Salary Report <http://education.vermont.gov/new/html/data/teacher_FTE.html>

Phone Calls to Employers

COMPANY	2006 Staff	COMPANY	2006 Staff
Within Burlington:		Within surrounding municipalities:	
Fletcher Allen Hospital	4086	IBM	6000
University of Vermont	3137	IDX	850
Burlington City Schools	774	Adecco	764
City of Burlington	630	Ben & Jerry's	735
Westaff	562	St. Michael's College	472
General Dynamics	500	South Burlington Schools	449
S.D. Ireland	355	Colchester Schools	402
Gardeners Supply	250	VSAC	375
Burlington Free Press	250	Lane Press, Inc.	306
Champlain College	230	Husky Injection Molding Systems	300
Blodgett Oven Co.	220	Adelphia	300
City Market	150	Vermont Teddy Bear	285
Rhino Foods	130	UPS	267
Wyndham Hotel	110	Engeberth Construction	235
Burlington and Surrounding Region:		Heritage Automotive	228
U.S. Government	2650	Essex Junction Schools	226
Chittenden Bank	1202	Twincraft, Inc.	215
Howard Center for Human Services	750	Resolution, Inc.	210
Napoli Group	680	Green Mountain Power	196
Verizon	650	Bio-Tek Instruments	190
T.D. Banknorth Group, Inc.	550	Champlain Cable	130
Visiting Nurse Association	422	Sheraton Hotel	110
Sodexo	350		
Perry Restaurant Group	332		
Reel Hospitality	332		
Merchants Bank	300		
Burton Snowboards	272		
Pizzagalli Construction	250		
Citizens Bank	182		
Key Bank of Vermont	128		

The table above ranks the largest employers in the City of Burlington and the surrounding area. The table was not published in the original Jobs and People; instead it was used in the past in the Economic Development Plan for the City of Burlington. This version has been updated to reflect 2006 employment and includes some large employers that have emerged since its last update. It is very clear from the table that the area's major employers are IBM, Fletcher Allen Health Care, and the University of Vermont. The City's two largest employers, Fletcher Allen and the University of Vermont are both non-profit organizations. This has important ramifications regarding the distribution of taxes and funding of public services within the City.

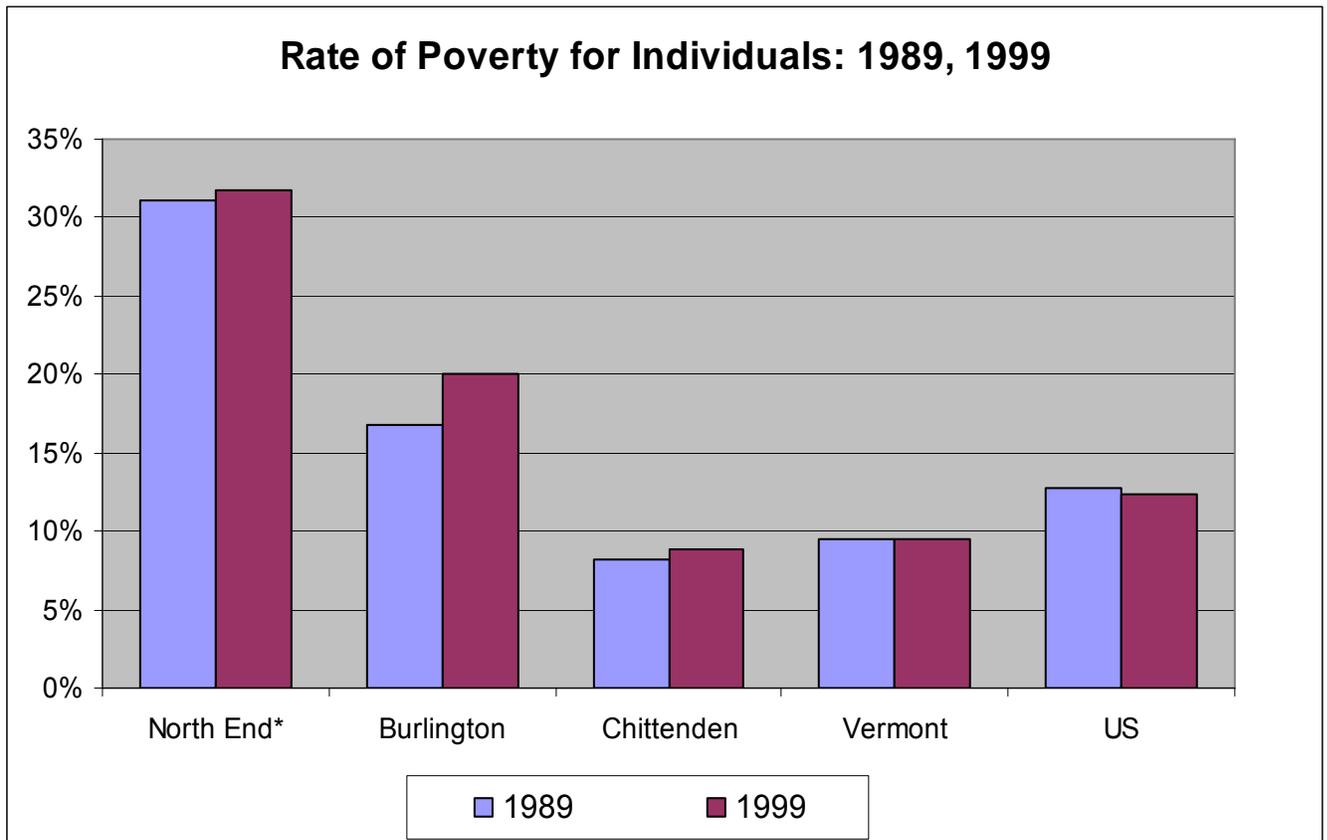
Poverty Rate for Individuals: 1989,1999.

Rate of Poverty for Individuals: Old North End, Burlington, Chittenden, V.T., U.S., 1989, 1999

Source: U.S. Census Bureau
 1989: U.S. Census 1990 (SF3) Series P117
 1999: U.S. Census 2000 (SF3) Series P87
 1999: U.S. Census 2000 (SF3) Series P90

	North End*	Burlington	Chittenden County	Vermont	US
1989 Individual	31.05%	16.79%	8.21%	9.48%	12.76%
1999 Individual	31.76%	20.03%	8.80%	9.44%	12.38%
1999 Family	21.95%	10.43%	4.90%	6.25%	9.16%

*North End Consists of Burlington Census Tracts 3,4, and 5



This page shows individual poverty rates for various localities in 1989 and 1999. Although only minor changes occurred over this period, the trend is troubling. Burlington and the Old North End particularly, have consistently had very high poverty rates relative to the state and national averages. However, the poverty rates in these areas actually increased slightly from 1989 to 1999, while the state average remained steady and the national average declined slightly. This trend, coupled with the fact that a third of ONE residents live at or below the poverty line highlights the need for continued economic development in this section of Burlington.

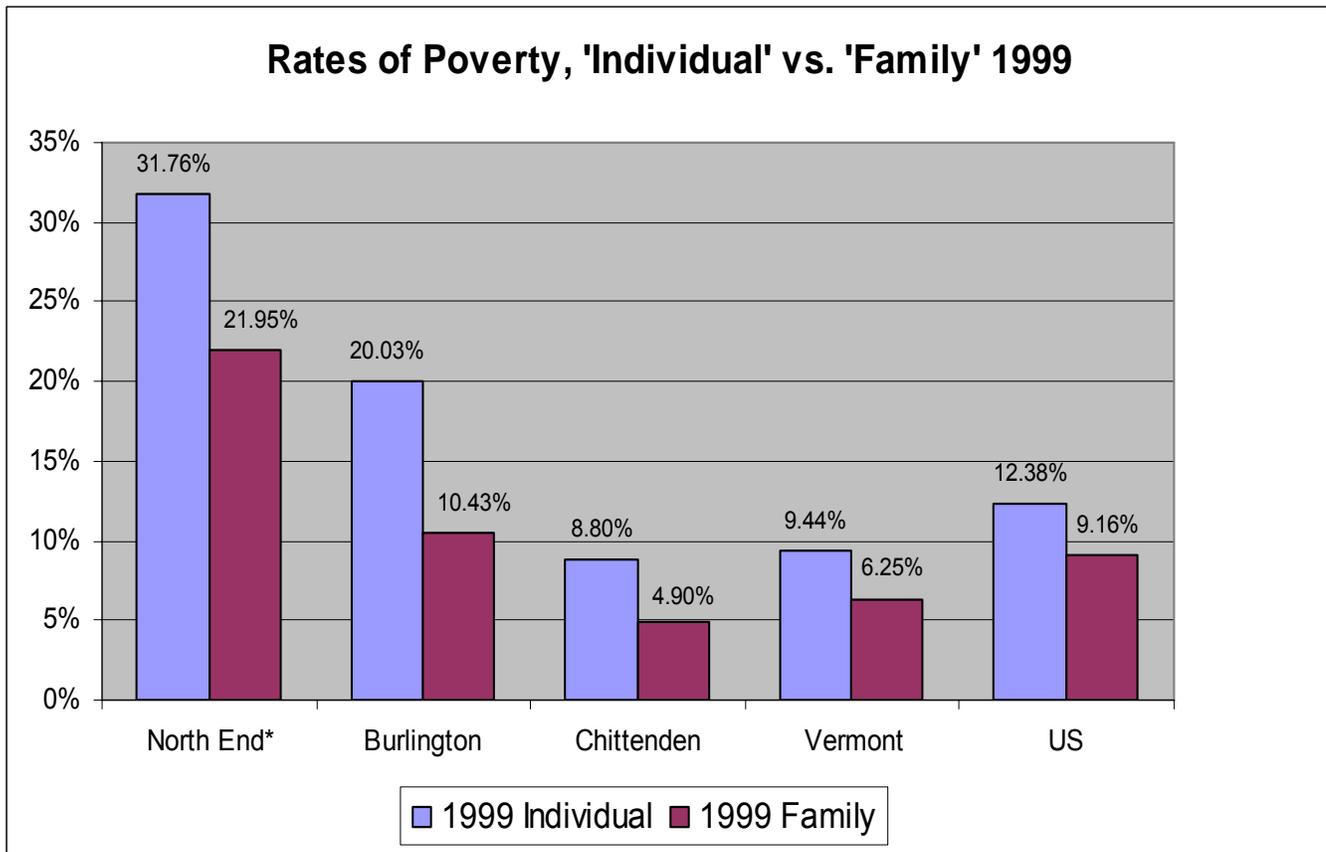
Poverty Rates for Individuals and Families: 1989,1999.

Rate of Poverty for Individuals vs. Families: Old North End, Burlington, Chittenden, V.T., U.S., 1989, 1999

Source: U.S. Census Bureau

1999: U.S. Census 2000 (SF3) Series P87

1999: U.S. Census 2000 (SF3) Series P90



Also of interest is the comparison between individual and family poverty rates. The differentials between these rates in 1999 are particularly high for Burlington and the Old North End, which indicates a reliance on single wage earners with many families in a precarious financial situation. However it is worth noting that these figures include many students who are considered residents below the poverty line because they have no significant income, although this is typically not a reflection of their ability to pay rent or bills, or their general quality of life.