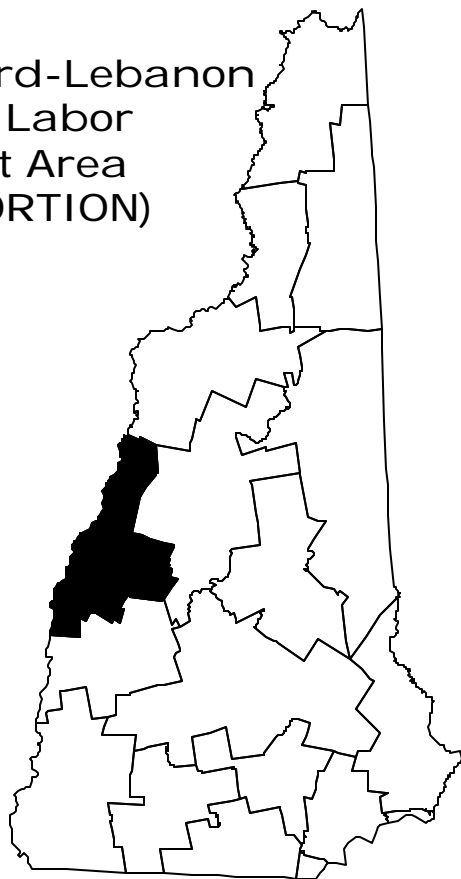


7.0
Hartford-Lebanon
VT-NH Labor
Market Area
(NH PORTION)



The New Hampshire portion of the new Hartford-Lebanon VT-NH Labor Market Area, which contains less than half the population of the total interstate LMA, is made up of the City of Lebanon and eleven towns. Most of these were part of the 1980 version of the Claremont LMA. Lebanon and Hanover are the two communities with the largest population in the New Hampshire portion. They had estimated residents working counts of 6,577 and 4,006, respectively. For the entire New Hampshire portion of the LMA, the estimated residents working tally amounted to 19,071. Of these, 8,710 residents remained in their respective communities for work. The rest, numbering

10,361, commuted out of town or out of state for employment. According to Table 7.1, the aggregate number of the workforce in the New Hampshire portion of the LMA towns, including residents and nonresidents alike, totaled 25,362. With that many commuters moving about, much of the roadway traffic in the greater Lebanon area is borne by Routes I89, US4, NH10, NH12A, NH120, and I91 (Vermont). In the following discussion, "LMA" will refer to just the New Hampshire portion.

An overall look at the numbers and rates (see Table 7.1) produced by the Town of Hanover results in some interesting issues. As a university town Hanover is somewhat unique in that most residents worked within the town (more than 80 percent, see below), had a small commute-out total (733), but also enjoyed a very large nonresident commute-in total. Traditional commuting patterns usually produce a scenario of; if a large number of residents work within the town, then the ratio of nonresident workers commuting-in is small by comparison. Hanover retained 3,273 residents working in the town for a 81.7% resident rate, while 8,009 nonresidents commuted in, producing a 71.0% nonresident rate. Hanover had the largest workforce in the LMA and it was even larger than its resident population. It should be noted that the 1991 move of the Dartmouth Hitchcock Medical Center (known as one of the area's largest employers) a few miles south to just inside the Lebanon city limits, has drastically changed these numbers. The distances commuted, though, have probably changed very little.

The Town of Hanover had the lowest commute-out rate (18.3%) in the New Hampshire portion of the LMA. Table 7.2 indicates Orange was on the opposite end of the LMA spectrum with a 93.5% commute-out rate. In fact, for nine of the twelve LMA city/towns commuting out

was high, with the rates in the 70-80 percent range. Lebanon and Hanover were the destinations of most of these commuters, as they topped the commute-out lists for 11 of the 12 city/towns. Only Orange sent more commuters to another town (Canaan), but Lebanon and Hanover still placed two and three, respectively, on Orange's out-going list. The largest numbers were generated by Lebanon and Enfield, as the former sent 1,817 commuters to Hanover (Routes NH10, NH120, or local streets and roads), and the latter sent 903 workers to Lebanon (mostly via I89 or US4). New Hampshire residents working out-of-state commuted across the Connecticut River to Vermont in large numbers, with a few going to Massachusetts, and fewer still going to Maine. The total number to Vermont was 1,843, with Hartford VT, location of the VA Hospital and the US Mail Processing Center, receiving 1,005 of the total. The largest single town-to-town connection was 550 City of Lebanon residents commuting to Hartford.

Commuting-in rates (see Table 7.3), ranged between 40-50 percent for six of the twelve LMA city/towns. As expected, a large number of Lebanon workers (1,817) commuted to Hanover, but a much smaller Hanover number (328) commuted to the city. Again, these numbers may now be reversed since the Medical Center has moved from Hanover to Lebanon. The next largest commute within the LMA was 903 Enfield workers commuting into the City of Lebanon. A total of 6,619 Vermont residents commuted into the LMA, with Hartford, the second largest town in the interstate area placing number one most frequently on New Hampshire towns commute-in lists. The number of commuters from Hartford, just based on first place showings on Table 7.3 out-of-state lists, exceeded 3,700. Hartford dispatched 951 workers to Lebanon and 894 to Hanover.

New Hampshire Commuting Patterns - 1990 U.S. Census

Table 7.1
Hartford-Lebanon VT-NH LMA (NH Portion) - 1990 Census

Resident City/Town	RESIDENTS						Total Working In Town (Residents & Nonresidents)	NONRESIDENTS	
	Population 1990 Census	Estimated Residents Working	Commuting to Another Town to		Working In Town			Number of Workers	Percent of Total Working in Town
			Number of Workers	Percent	Number of Workers	Percent			
Canaan	3,045	1,521	1,101	72.4%	420	27.6%	702	282	40.2%
Cornish	1,659	859	658	76.6%	201	23.4%	327	126	38.5%
Enfield	3,979	2,264	1,863	82.3%	401	17.7%	722	321	44.5%
Grafton	923	319	268	84.0%	51	16.0%	214	163	76.2%
Grantham	1,247	539	435	80.7%	104	19.3%	362	258	71.3%
Hanover	9,212	4,006	733	18.3%	3,273	81.7%	11,282	8,009	71.0%
Lebanon	12,183	6,577	3,072	46.7%	3,505	53.3%	9,821	6,316	64.3%
Lyme	1,496	798	527	66.0%	271	34.0%	645	374	58.0%
Orange	237	215	201	93.5%	14	6.5%	29	15	51.7%
Orford	1,008	488	353	72.3%	135	27.7%	314	179	57.0%
Piermont	624	334	260	77.8%	74	22.2%	139	65	46.8%
Plainfield	2,056	1,151	890	77.3%	261	22.7%	805	544	67.6%

New Hampshire Commuting Patterns - 1990 U.S. Census

Table 7.2
Commuting Out - Hartford-Lebanon VT-NH LMA (NH Portion) - 1990 Census

Towns:	Canaan		Cornish		Enfield		Grafton		Grantham	
Estimated Residents Working:	1,521		859		2,264		319		539	
Commuting to Another Town:	1,101		658		1,863		268		435	
Commuting Rate:	72.4%		76.6%		82.3%		84.0%		80.7%	
To Locations Within NH:	Lebanon	497	Claremont	152	Lebanon	903	Lebanon	75	Lebanon	134
	Hanover	313	Lebanon	144	Hanover	601	Hanover	57	Hanover	84
	Enfield	97	Hanover	89	Canaan	55	Canaan	35	Newport	45
	Claremont	14	Plainfield	48	Springfield	27	Enfield	21	New London	40
	Orange	11	Newport	36	New London	21	New London	14	Claremont	12
					Claremont	13	Bristol	10		
					Lyme	11				
Out Of State:	Maine	0	Maine	0	Maine	0	Maine	0	Maine	0
	Massachusetts	0	Massachusetts	7	Massachusetts	0	Massachusetts	8	Massachusetts	18
	Vermont	98	Vermont	122	Vermont	170	Vermont	15	Vermont	28
	Other	8	Other	6	Other	22	Other	0	Other	16
Out Of State Locations:	Hartford,VT	59	Windsor,VT	51	Hartford,VT	127	Hartland,VT	6	Hartford,VT	18
	Topsham,VT	8	Hartford,VT	46	Norwich,VT	15	Hartford,VT	5	Burlington,MA	5
	Springfield,VT	7	Weath'field,VT	10	Windsor,VT	12				
	Burlington,VT	6	Springfield,VT	7	Cavendish,VT	6				

New Hampshire Commuting Patterns - 1990 U.S. Census

Table 7.2 (continued)
 Commuting Out - Hartford-Lebanon VT-NH LMA (NH Portion) - 1990 Census

Towns:	Hanover		Lebanon		Lyme		Orange		Orford	
Estimated Residents Working:	4,006		6,577		798		215		488	
Commuting to Another Town:	733		3,072		527		201		353	
Commuting Rate:	18.3%		46.7%		66.0%		93.5%		72.3%	
To Locations Within NH:	Lebanon	328	Hanover	1,817	Hanover	323	Canaan	62	Hanover	142
	Lyme	35	Enfield	60	Lebanon	75	Lebanon	54	Lebanon	46
	Plainfield	26	Lyme	57			Hanover	37	Lyme	33
	New London	22	Grafton	46			Enfield	15	Warren	15
	Grafton	13	Canaan	36					Haverhill	11
	Littleton	13	Claremont	31						
	Claremont	12	Grantham	23						
	Enfield	11	Newport	23						
Out Of State:	Maine	0	Maine	0	Maine	0	Maine	0	Maine	0
	Massachusetts	0	Massachusetts	37	Massachusetts	0	Massachusetts	0	Massachusetts	1
	Vermont	191	Vermont	780	Vermont	107	Vermont	10	Vermont	70
	Other	39	Other	33	Other	12	Other	0	Other	0
Out Of State Locations:	Hartford,VT	100	Hartford,VT	550	Hartford,VT	42	Norwich,VT	5	Hartford,VT	29
	Norwich,VT	39	Norwich,VT	57	Norwich,VT	27	Topsham,VT	5	Fairlee,VT	18
	StJohnsbury,VT	11	Hartford,VT	50	Thetford,VT	15			Bradford,VT	17
	Bethel,VT	9	Topsham,VT	21	Fairlee,VT	13				

New Hampshire Commuting Patterns - 1990 U.S. Census

Table 7.2 (continued)
 Commuting Out - Hartford-Lebanon VT-NH LMA (NH Portion) - 1990 Census

Towns:	Piermont	Plainfield			
Estimated Residents Working:	334	1,151			
Commuting to Another Town:	260	890			
Commuting Rate:	77.8%	77.3%			
To Locations Within NH:					
	Hanover 65	Lebanon 382			
	Lebanon 26	Hanover 230			
	Haverhill 23	Cornish 23			
	Orford 16	Claremont 22			
	Lyme 12				
Out Of State:					
	Maine 0	Maine 6			
	Massachusetts 0	Massachusetts 6			
	Vermont 101	Vermont 151			
	Other 0	Other 21			
Out Of State Locations:					
	Bradford,VT 59	Hartford,VT 80			
	Hartford,VT 9	Norwich,VT 22			
	Newbury,VT 8	Windsor,VT 13			
	Fairlee,VT 5	Springfield,VT 9			

New Hampshire Commuting Patterns - 1990 U.S. Census

Table 7.3
Commuting In - Hartford-Lebanon VT-NH LMA (NH Portion) - 1990 Census

Towns:	Canaan		Cornish		Enfield		Grafton		Grantham	
Estimated Residents Working:	702		327		722		214		362	
Commuting to Another Town:	282		126		321		163		258	
Commuting Rate:	40.2%		38.5%		44.5%		76.2%		71.3%	
To Locations Within NH:	Orange	62	Claremont	66	Canaan	97	Lebanon	46	New London	48
	Enfield	55	Plainfield	23	Lebanon	60	Hanover	13	Newport	47
	Lebanon	36	Lebanon	14	Grafton	21	Haverhill	11	Lebanon	23
	Grafton	35			New London	21			Sunapee	22
	Bristol	13			Orange	15			Claremont	21
	Franklin	12			Charlestown	13			Springfield	16
					Hanover	11				
Out Of State:	Maine	0	Maine	0	Maine	0	Maine	0	Maine	0
	Massachusetts	7	Massachusetts	0	Massachusetts	0	Massachusetts	0	Massachusetts	0
	Vermont	5	Vermont	21	Vermont	42	Vermont	13	Vermont	12
	Other	0	Other	0	Other	0	Other	0	Other	6
Out Of State Locations:	Cambridge,MA	7	Hartland,VT	7	Hartford,VT	31	Hartford,VT	6	Weath'field,VT	6
	Thetford,VT	5	Norwich,VT	6	Sharon,VT	5				
			Windsor,VT	5						

New Hampshire Commuting Patterns - 1990 U.S. Census

Table 7.3 (continued)
 Commuting In - Hartford-Lebanon VT-NH LMA (NH Portion) - 1990 Census

Towns:	Hanover		Lebanon		Lyme		Orange		Orford	
Estimated Residents Working:	11,282		9,821		645		29		314	
Commuting to Another Town:	8,009		6,316		374		15		179	
Commuting Rate:	71.0%		64.3%		58.0%		51.7%		57.0%	
To Locations Within NH:	Lebanon	1,817	Enfield	903	Lebanon	57	Canaan	11	Haverhill	20
	Enfield	601	Canaan	497	Hanover	35			Piermont	16
	Lyme	323	Plainfield	382	Orford	33			Lebanon	11
	Canaan	313	Hanover	328	Piermont	12				
	Plainfield	230	Claremont	229	Enfield	11				
	Claremont	200	Cornish	144						
	Haverhill	170	Grantham	134						
	Orford	142	Grafton	75						
Out Of State:	Maine	12	Maine	18	Maine	4	Maine	0	Maine	0
	Massachusetts	49	Massachusetts	39	Massachusetts	8	Massachusetts	0	Massachusetts	0
	Vermont	3,286	Vermont	2,714	Vermont	173	Vermont	2	Vermont	112
	Other	65	Other	12	Other	0	Other	0	Other	0
Out Of State Locations:	Hartford,VT	894	Hartford,VT	951	Thetford,VT	47			Bradford,VT	26
	Norwich,VT	608	Hartland,VT	298	Hartford,VT	28			Fairlee,VT	18
	Thetford,VT	357	Windsor,VT	226	Norwich,VT	14			Newbury,VT	18
	Hartland,VT	228	Thetford,VT	137	Corinth,VT	13			Norwich,VT	17

New Hampshire Commuting Patterns - 1990 U.S. Census

Table 7.3 (continued)
Commuting In - Hartford-Lebanon VT-NH LMA (NH Portion) - 1990 Census

Towns:	Piermont		Plainfield			
Estimated Residents Working:	139		805			
Commuting to Another Town:	65		544			
Commuting Rate:	46.8%		67.6%			
To Locations Within NH:	Haverhill 19		Cornish 48			
			Manchester 47			
			Claremont 44			
			Sunapee 33			
			Newport 28			
			Hanover 26			
			Lebanon 19			
			Dover 11			
Out Of State:	Maine 6		Maine 0			
	Massachusetts 0		Massachusetts 7			
	Vermont 20		Vermont 219			
	Other 0		Other 9			
Out Of State Locations:	Corinth,VT 8		Norwich,VT 27			
	Newbury,VT 7		Rockingham,VT 26			
	Sanford,ME 6		Weath'field,VT 22			
			Woodstock,VT 22			