

**Concord NH Normals based on
NWS Observations 1961-1990**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
Temperature (f)													
Daily Maximum	29.8	33.0	42.8	56.3	68.9	77.3	82.4	79.8	71.6	60.7	47.1	34.2	57.0
Daily Minimum	7.4	10.4	22.1	31.5	41.4	51.2	56.5	54.7	46.0	34.9	27.0	14.4	33.1
Monthly	18.6	21.8	32.4	43.9	55.2	64.2	69.5	67.3	58.8	47.8	37.1	24.3	45.1
number of days with:													
maximum 90 degrees or above	0	0	0	0.2	0.9	2.2	4.6	2.5	0.7		0	0	11.1
maximum 32 degrees or below	17.8	13.1	4.1	0.2	0	0	0	0			1.5	13.6	50.3
minimum 32 degrees or below	30.5	27.1	26.1	16.9	5.5	0.2	0	0.1	2.4	13.6	21.7	29.2	173.3
minimum 0 degrees or below	9.6	6.9	1.1	0	0	0	0	0	0	0	0.2	5.2	23.0
Degree Days													
Heating (base 65f)	1438	1210	1011	633	312	70	13	39	196	533	837	1262	7554
Cooling (base 65f)	0	0	0	0	8	46	153	111	10	0	0	0	328
Precipitation													
water equivalent	2.51	2.53	2.72	2.91	3.14	3.15	3.23	3.32	2.81	3.23	3.66	3.16	36.37
Snowfall	18.1	14.6	11.1	2.3	0.1	T			T	0.1	3.8	13.4	63.5
Relative Humidity													
normal daily (in percent)	68	66	65	62	65	71	72	74	76	73	73	72	70
@ 1 am EST	74	73	74	76	82	88	89	90	90	85	81	78	82
@ 7 am EST	74	75	76	75	76	82	84	88	90	87	83	79	81
@ 1 pm EST	58	55	52	46	46	52	51	53	54	52	59	62	53
@ 7 pm EST	66	62	59	54	56	63	64	70	75	72	72	70	65
Mean number of days with:													
Fog (visibility 1/4 mile or less)	2.5	1.9	2.9	1.9	3.1	3.6	4.9	6.4	8.6	6.1	3.5	2.7	48.1
Thunderstorms	0	0.1	0.2	0.9	2.4	4.5	5.4	3.7	1.8	0.6	0.1	0	19.7
Percent of Possible Sunshine													
	52	55	53	52	54	57	63	60	56	53	43	47	54
Winds													
mean speed (MPH)	7.0	7.5	8.0	7.7	6.8	6.4	5.7	5.2	5.4	5.9	6.5	6.7	6.6
prevailing direction (in degrees)	310	310	310	310	310	320	310	320	320	310	310	310	310

Source: NOAA/NCDC publication Climatology of the U.S. #84

Concord Airport

Concord, the Capital of New Hampshire, is situated near the geographical center of New England at an altitude of approximately 300 feet above sea level on the Merrimack River. Its surroundings are hilly with many lakes and ponds. The countryside is generously wooded, mostly on land reclaimed from fields which were formerly cleared for farming. From the coast about 50 miles to the southeast, the terrain slopes gently upward to the city. West of the city, the land rises some 2,000 feet higher in only half that distance. Mount Washington, at an elevation of 6,288 feet is in the White Mountains 75 miles north of town. Northwesterly winds are prevalent. They bring cold, dry air during the winter and pleasantly cool, dry air in the summer. Stronger southerly winds occur during July and August, and easterly winds usually accompany summer and winter storms. Winter breezes are somewhat lighter, and winds are frequently calm during the night and early morning hours. Low temperatures, as a rule, do not interrupt normal out-of-doors activity because winds are calm or light, producing a low wind chill factor. Very hot summer weather is infrequent. During any month, temperatures considerably above the average maxima and much below the normal minima are observed. The average amount of precipitation for the warmer half of the year differs little from that for the colder half. Precipitation occurrences average approximately one day of three for the year, with a somewhat higher frequency for the April– May period, offsetting the lower frequency of August– October. The more significant rains and heavier snowfalls are associated with easterly winds, especially northeasterly winds. The first snowfall of an inch or more is likely to come between the middle of November and the middle of December. The snow cover normally lasts from mid– December until the last week of March, but bare ground is not rare in the winter, nor is a snowscape rare earlier or later in the season. Rain, sleet, or freezing rain may also occur. Agriculture is neither intensive nor large– scale in the vicinity of the station. Potatoes and other frost– resistant vegetables, hardy fruits such as apples, forage for the dairy industry, and maple sugar are the principal crops. Based on the 1951– 1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is September 22 and the average last occurrence in the spring is May 23. Freezing temperatures have occurred as late as June and as early as August.

updated 1/01
by ES