

National Longitudinal Study of Adolescent Health

Wave III Climate Data Codebook

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October 2009

This research was funded by National Institutes of Health (National Institute of Child Health and Human Development grants R01 HD39183, R01 HD041375, and K01 HD044263; National Institute of Diabetes and Digestive and Kidney Diseases grant DK56350; and National Institute on Environmental Health Sciences grant P30ES10126), National Institute of Aging NIA: K07 AG001015 and P30 AG024376; and a cooperative agreement with the Centers for Disease Control and Prevention (CDC SIP No. 5-00).

Persons interested in obtaining data files from Add Health should contact Add Health, Carolina Population Center, 123 W. Franklin Street, Chapel Hill, NC 27516-2524 (addhealth@unc.edu.)

Add Health Wave III Climate

Filename: w3climat.xpt

Description

The purpose of the climate dataset is to provide a set of variables that indicate the broad, general weather conditions that could affect the physical activity choices of Wave III respondents. This file contains climate data for each Wave III respondent based on the nearest climate station with data for each variable of interest. If the climate station nearest to the respondent had no data for the variable of interest, the respondent was assigned the next station with data for that desired variable. January, July, and annual means were collected for each variable.

The climate data were culled from the Climate Atlas of the United States, version 2.0, which brings together data from a number of climate stations for the period 1961 to 1990 and provides monthly averages for each station for that time period. The chosen climate variables correspond closely to the variables collected in the weather dataset, which are focused on the specific weather pattern during the time of survey. The extracted variables follow:

Variable Description

- Mean Total Precipitation
- Mean Total Snowfall
- Mean Sky Cover (Sunrise to Sunset)
- Mean Sunshine Total Hours
- Mean Daily Maximum Temperature
- Mean Daily Minimum Temperature
- Mean Number of Days with Temperature $\geq 90^{\circ}$ F
- Mean Number of Days with Temperature $\leq 32^{\circ}$ F

Note: There are 195 respondents for whom the nearest climate station reporting mean total snowfall is beyond a reasonable distance to provide representative data (greater than 500 km). These respondents were assigned the Add Health reserve code indicating that data are not available. There are an additional 5 respondents for whom the mean number of days with temperature greater than or equal to 90° F in January is unavailable; these respondents have also been assigned reserve code for data are not available. The Add Health reserve code for data not available equals 9 preceded by a series of 9s; the number of which varies depending upon variables' maximum values

Respondents lacking geocode data received the Add Health reserve code for geocode missing, which equals 8 preceded by a series of 9s; the number of which varies depending upon variables' maximum values. A total of 308 respondents were ultimately assigned missing geocode values.

Variable Listing

Variable Name	Variable Label and Description
W3CL1_1	Mean total precipitation, January <ul style="list-style-type: none"> Reported in inches
W3CL1_7	Mean total precipitation, July <ul style="list-style-type: none"> Reported in inches
W3CL1_A	Mean total precipitation, annually <ul style="list-style-type: none"> Reported in inches
W3CL2_1	Mean total snowfall, January <ul style="list-style-type: none"> Reported in inches
W3CL2_7	Mean total snowfall, July <ul style="list-style-type: none"> Reported in inches
W3CL2_A	Mean total snowfall, annually <ul style="list-style-type: none"> Reported in inches
W3CL3_1	Mean daytime sky cover, January <ul style="list-style-type: none"> Reported as percent sky cover
W3CL3_7	Mean daytime sky cover, July <ul style="list-style-type: none"> Reported as percent sky cover
W3CL3_A	Mean daytime sky cover, annually <ul style="list-style-type: none"> Reported as percent sky cover
W3CL4_1	Mean sunshine total hours, January <ul style="list-style-type: none"> Reported as mean monthly hours
W3CL4_7	Mean sunshine total hours, July <ul style="list-style-type: none"> Reported as mean monthly hours
W3CL4_A	Mean sunshine total hours, annually <ul style="list-style-type: none"> Reported as mean monthly hours
W3CL5_1	Mean daily maximum temperature, January <ul style="list-style-type: none"> Reported in degrees Fahrenheit
W3CL5_7	Mean daily maximum temperature, July <ul style="list-style-type: none"> Reported in degrees Fahrenheit
W3CL5_A	Mean daily maximum temperature, annually <ul style="list-style-type: none"> Reported in degrees Fahrenheit
W3CL6_1	Mean daily minimum temperature, January <ul style="list-style-type: none"> Reported in degrees Fahrenheit
W3CL6_7	Mean daily minimum temperature, July <ul style="list-style-type: none"> Reported in degrees Fahrenheit
W3CL6_A	Mean daily minimum temperature, annually <ul style="list-style-type: none"> Reported in degrees Fahrenheit
W3CL7_1	Mean number of days maximum temperature ≥ 90 F, January
W3CL7_7	Mean number of days maximum temperature ≥ 90 F, July
W3CL7_A	Mean number of days maximum temperature ≥ 90 F, annually
W3CL8_1	Mean number of days minimum temperature ≤ 32 F, January
W3CL8_7	Mean number of days minimum temperature ≤ 32 F, July
W3CL8_A	Mean number of days minimum temperature ≤ 32 F, annually

W3CLIMAT: Wave III Climate Data

Wave III Climate Data

AID		Str 8	Respondent Identifier NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
1	0.0%	10316654	
1	0.0%	10316952	
1	0.0%	10506342	
1	0.0%	10570810	
1	0.0%	10606128	
15187	99.9%	11316754-99886992	NOTE: Range of values omitted from display
1	0.0%	99886993	
1	0.0%	99886994	
1	0.0%	99886995	
1	0.0%	99886996	
1	0.0%	99886999	

W3CL1_1		Num 8	Mean Total Precipitation, January NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
1	0.0%	.26	.26
3	0.0%	.27	.27
6	0.0%	.28	.28
165	1.1%	.29	.29
4	0.0%	.3	.3
14706	96.8%	.31-11.97	NOTE: Range of values omitted from display

1	0.0%	13.4	13.4
1	0.0%	13.58	13.58
1	0.0%	13.7	13.7
1	0.0%	15.8	15.8
308	2.0%	98	Geocode Missing

W3CL1_7		Num 8	Mean Total Precipitation, July NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
28	0.2%	0	0
1561	10.3%	.01	.01
148	1.0%	.02	.02
86	0.6%	.03	.03
155	1.0%	.04	.04
12906	84.9%	.05-9.7	NOTE: Range of values omitted from display
2	0.0%	11.7	11.7
1	0.0%	12.9	12.9
1	0.0%	13.5	13.5
1	0.0%	23.1	23.1
308	2.0%	98	Geocode Missing

W3CL1_a		Num 8	Mean Total Precipitation, Annually NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
25	0.2%	3.11	3.11
62	0.4%	3.17	3.17
3	0.0%	3.61	3.61
2	0.0%	3.66	3.66
1	0.0%	3.93	3.93

14791	97.3%	4.13-123.2	NOTE: Range of values omitted from display
2	0.0%	129.2	129.2
1	0.0%	150	150
1	0.0%	150.9	150.9
1	0.0%	236.8	236.8
308	2.0%	998	Geocode Missing

W3CL5_1		Num 8	Mean Daily Maximum Temperature, January NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
2	0.0%	1	1
1	0.0%	11.7	11.7
1	0.0%	13.5	13.5
1	0.0%	13.6	13.6
3	0.0%	14	14
14838	97.6%	14.2-79.9	NOTE: Range of values omitted from display
15	0.1%	80.1	80.1
2	0.0%	80.6	80.6
25	0.2%	81.6	81.6
1	0.0%	81.8	81.8
308	2.0%	98	Geocode Missing

W3CL5_7		Num 8	Mean Daily Maximum Temperature, July NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
6	0.0%	63.8	63.8
2	0.0%	64.3	64.3
20	0.1%	64.6	64.6

1	0.0%	65.2	65.2
1	0.0%	65.5	65.5
14778	97.2%	66.3-106.6	NOTE: Range of values omitted from display
16	0.1%	106.7	106.7
60	0.4%	107.5	107.5
2	0.0%	108.3	108.3
3	0.0%	108.7	108.7
308	2.0%	998	Geocode Missing

W3CL5_a		Num 8	Mean Daily Maximum Temperature, Annually NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
2	0.0%	37	37
2	0.0%	41.7	41.7
1	0.0%	42.7	42.7
6	0.0%	47.5	47.5
1	0.0%	48	48
14771	97.2%	48.4-87	NOTE: Range of values omitted from display
16	0.1%	87.4	87.4
25	0.2%	87.5	87.5
62	0.4%	87.9	87.9
3	0.0%	89	89
308	2.0%	98	Geocode Missing

W3CL6_1		Num 8	Mean Daily Minimum Temperature, January NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
2	0.0%	-13.2	-13.2

1	0.0%	-9	-9
1	0.0%	-8.9	-8.9
1	0.0%	-8.3	-8.3
1	0.0%	-7.8	-7.8
14735	97.0%	-7.4-64.2	NOTE: Range of values omitted from display
1	0.0%	65	65
127	0.8%	65.3	65.3
5	0.0%	65.5	65.5
15	0.1%	65.6	65.6
308	2.0%	98	Geocode Missing

W3CL6_7		Num 8	Mean Daily Minimum Temperature, July NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
2	0.0%	38.6	38.6
48	0.3%	40.2	40.2
1	0.0%	41.2	41.2
2	0.0%	41.4	41.4
1	0.0%	41.6	41.6
14768	97.2%	42.6-79.6	NOTE: Range of values omitted from display
2	0.0%	80.4	80.4
62	0.4%	80.7	80.7
1	0.0%	81	81
2	0.0%	83.6	83.6
308	2.0%	98	Geocode Missing

W3CL6_a		Num 8	Mean Daily Minimum Temperature, Annually NOTE: Smallest 5 and largest 5 values are displayed.
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Frequency	Percent	Value	Label
2	0.0%	17.8	17.8
2	0.0%	19	19
48	0.3%	20.9	20.9
1	0.0%	21.9	21.9
4	0.0%	22.6	22.6
14334	94.3%	23.4-68.9	NOTE: Range of values omitted from display
272	1.8%	69	69
142	0.9%	70	70
83	0.5%	71.2	71.2
1	0.0%	73.1	73.1
308	2.0%	98	Geocode Missing

W3CL7_1		Num 1	Mean Number Days Maximum Temperature >= 90 F, January
Frequency	Percent	Value	Label
14884	97.9%	0	0
308	2.0%	8	Geocode Missing
5	0.0%	9	Data Not Available

W3CL7_7		Num 1	Mean Number Days Maximum Temperature >= 90 F, July NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
685	4.5%	0	0
1139	7.5%	1	1
664	4.4%	2	2
1171	7.7%	3	3
1037	6.8%	4	4
9580	63.0%	5-27	NOTE: Range of values omitted from display

197	1.3%	28	28
37	0.2%	29	29
151	1.0%	30	30
228	1.5%	31	31
308	2.0%	98	Geocode Missing

W3CL7_a		Num 2	Mean Number Days Maximum Temperature >= 90 F, Annually NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
213	1.4%	0	0
64	0.4%	1	1
44	0.3%	2	2
98	0.6%	3	3
543	3.6%	4	4
13849	91.1%	5-172	NOTE: Range of values omitted from display
2	0.0%	173	173
11	0.1%	174	174
62	0.4%	175	175
3	0.0%	182	182
308	2.0%	998	Geocode Missing

W3CL8_1		Num 1	Mean Number Days Minimum Temperature <= 32 F, January NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
2265	14.9%	0	0
239	1.6%	1	1
84	0.6%	2	2
124	0.8%	3	3
87	0.6%	4	4

8155	53.7%	5-27	NOTE: Range of values omitted from display
1275	8.4%	28	28
1264	8.3%	29	29
851	5.6%	30	30
545	3.6%	31	31
308	2.0%	98	Geocode Missing

W3CL8_7		Num 1	Mean Number Days Minimum Temperature <= 32 F, July
Frequency	Percent	Value	Label
14835	97.6%	0	0
51	0.3%	1	1
3	0.0%	2	2
308	2.0%	8	Geocode Missing

W3CL8_a		Num 2	Mean Number Days Minimum Temperature <= 32 F, Annually NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
873	5.7%	0	0
1407	9.3%	1	1
202	1.3%	2	2
47	0.3%	3	3
28	0.2%	4	4
12282	80.8%	5-241	NOTE: Range of values omitted from display
1	0.0%	244	244
1	0.0%	253	253
46	0.3%	257	257
2	0.0%	277	277
308	2.0%	998	Geocode Missing

W3CL2_1		Num 8	Mean Total Snowfall, January NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
3946	26.0%	0	0
578	3.8%	.1	.1
663	4.4%	.2	.2
157	1.0%	.3	.3
308	2.0%	.4	.4
9038	59.5%	.5-40.6	NOTE: Range of values omitted from display
2	0.0%	42.1	42.1
1	0.0%	50.4	50.4
1	0.0%	53.2	53.2
308	2.0%	98	Geocode Missing
195	1.3%	99	Data Not Available

W3CL2_7		Num 1	Mean Total Snowfall, July
Frequency	Percent	Value	Label
14694	96.7%	0	0
308	2.0%	8	Geocode Missing
195	1.3%	9	Data Not Available

W3CL2_a		Num 8	Mean Total Snowfall, Annually NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
3500	23.0%	0	0
550	3.6%	.1	.1
189	1.2%	.2	.2
108	0.7%	.3	.3
309	2.0%	.4	.4

10035	66.0%	.5- 161.4	NOTE: Range of values omitted from display
1	0.0%	169.5	169.5
1	0.0%	181.5	181.5
1	0.0%	314.8	314.8
308	2.0%	998	Geocode Missing
195	1.3%	999	Data Not Available

W3CL3_1		Num 1	Mean Daytime Sky Cover, January NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
261	1.7%	45	45
140	0.9%	47	47
3	0.0%	48	48
6	0.0%	49	49
5	0.0%	50	50
14361	94.5%	51-85	NOTE: Range of values omitted from display
47	0.3%	86	86
43	0.3%	87	87
11	0.1%	88	88
12	0.1%	89	89
308	2.0%	98	Geocode Missing

W3CL3_7		Num 1	Mean Daytime Sky Cover, July NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
164	1.1%	13	13
20	0.1%	14	14
12	0.1%	15	15

6	0.0%	22	22
18	0.1%	25	25
14599	96.1%	28-73	NOTE: Range of values omitted from display
2	0.0%	75	75
7	0.0%	76	76
3	0.0%	80	80
58	0.4%	84	84
308	2.0%	98	Geocode Missing

W3CL3_a		Num 1	Mean Daytime Sky Cover, Annually NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
92	0.6%	30	30
43	0.3%	34	34
386	2.5%	36	36
121	0.8%	38	38
5	0.0%	39	39
14021	92.3%	40-73	NOTE: Range of values omitted from display
155	1.0%	74	74
7	0.0%	75	75
1	0.0%	76	76
58	0.4%	80	80
308	2.0%	98	Geocode Missing

W3CL4_1		Num 2	Mean Sunshine Total Hours, January NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
4	0.0%	51	51
41	0.3%	70	70

7	0.0%	78	78
5	0.0%	83	83
235	1.5%	86	86
14327	94.3%	88-250	NOTE: Range of values omitted from display
5	0.0%	255	255
52	0.3%	256	256
121	0.8%	260	260
92	0.6%	268	268
308	2.0%	998	Geocode Missing

W3CL4_7		Num 2	Mean Sunshine Total Hours, July NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
59	0.4%	145	145
7	0.0%	167	167
173	1.1%	247	247
5	0.0%	250	250
353	2.3%	255	255
13454	88.5%	257-400	NOTE: Range of values omitted from display
18	0.1%	424	424
160	1.1%	428	428
13	0.1%	437	437
647	4.3%	440	440
308	2.0%	998	Geocode Missing

W3CL4_a		Num 2	Mean Sunshine Total Hours, Annually NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label

59	0.4%	1488	1488
7	0.0%	1817	1817
173	1.1%	1971	1971
137	0.9%	2021	2021
5	0.0%	2061	2061
14102	92.8%	2120-3763	NOTE: Range of values omitted from display
121	0.8%	3806	3806
141	0.9%	3825	3825
52	0.3%	3872	3872
92	0.6%	4015	4015
308	2.0%	9998	Geocode Missing