

*National Longitudinal Study of  
Adolescent Health*

*Wave I  
Spatial Code Book*



Carolina Population Center  
University of North Carolina at Chapel Hill

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## Add Health Spatial Code Book

The Add Health spatial analysis file places each respondent's home in geographic proximity to a central point within the community and other respondents' homes at Wave I. Latitude and longitude coordinates were calculated for each residence from one of two sources. Initially, home addresses were transformed into latitude/longitude readings from extant databases. Then, for those addresses that were not contained within the databases, interviewers used global positioning devices at the residence to obtain the coordinates. From these latitude/longitude measurements, Universal Transverse Mercator coordinates were calculated and then translated into X- and Y-coordinates in meters from the central point. By plotting the coordinates, the spatial relationship between interviewed respondents can be calculated.

# Wave I Spatial Code Book

Frequency	Code	Response	Variable Name	Type/Length
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Respondent Identifier			<b>AID</b>	char 8
20301		range 10000000-99999999		
X Coordinate			<b>X</b>	num 8
20301		range -432609.68 to 127772.94		
Y Coordinate			<b>Y</b>	num 8
20301		range -103038.76 to 329697.26		
Community Identification Number			<b>COMMID</b>	char 3
45	401	community 401		
61	402	community 402		
121	403	community 403		
99	404	community 404		
91	405	community 405		
221	406	community 406		
163	407	community 407		
108	408	community 408		
195	409	community 409		
158	410	community 410		
230	411	community 411		
192	412	community 412		
196	413	community 413		
202	414	community 414		
166	415	community 415		
175	416	community 416		
193	417	community 417		
238	418	community 418		
236	419	community 419		
334	420	community 420		
217	421	community 421		

# Wave I Spatial Code Book

Frequency	Code	Response	Variable Name	Type/ Length
206	422	community 422		
206	423	community 423		
122	424	community 424		
191	425	community 425		
216	426	community 426		
241	427	community 427		
150	428	community 428		
209	430	community 430		
104	431	community 431		
205	432	community 432		
238	433	community 433		
198	434	community 434		
215	435	community 435		
226	436	community 436		
252	437	community 437		
235	438	community 438		
311	439	community 439		
237	440	community 440		
705	441	community 441		
340	442	community 442		
290	443	community 443		
314	444	community 444		
286	445	community 445		
209	446	community 446		
215	447	community 447		
187	448	community 448		
323	449	community 449		
294	450	community 450		

# Wave I Spatial Code Book

Frequency	Code	Response	Variable Name	Type/ Length
210	451	community 451		
365	452	community 452		
328	453	community 453		
284	454	community 454		
266	455	community 455		
201	456	community 456		
208	457	community 457		
906	458	community 458		
153	459	community 459		
281	460	community 460		
193	461	community 461		
356	462	community 462		
145	463	community 463		
254	464	community 464		
434	465	community 465		
265	466	community 466		
274	467	community 467		
193	468	community 468		
257	469	community 469		
217	470	community 470		
263	471	community 471		
288	472	community 472		
215	473	community 473		
197	474	community 474		
192	475	community 475		
249	476	community 476		
1885	477	community 477		
273	478	community 478		

# Wave I Spatial Code Book

Frequency	Code	Response	Variable Name	Type/ Length
227	479	community 479		
64	480	community 480		
3	484	community 484		
4	485	community 485		
8	486	community 486		
2	489	community 489		
12	490	community 490		
23	492	community 492		
6	493	community 493		
14	494	community 494		
10	495	community 495		
10	496	community 496		