



Add Health

The National Longitudinal Study of Adolescent to Adult Health

Ordered Cause of Death File, 2022 Codebook



CAROLINA POPULATION CENTER | CAROLINA SQUARE - SUITE 210 | 123 WEST FRANKLIN STREET | CHAPEL HILL, NC 27516

Data for Wave VI of Add Health was supported by two cooperative agreements from the National Institute on Aging (1U01AG071448, principal investigator Robert A. Hummer, and 1U01AG071450, principal investigators Robert A. Hummer and Allison E. Aiello) to the University of North Carolina at Chapel Hill. Co-funding for Wave VI was provided by the Eunice Kennedy Shriver National Institute of Child Health and Human Development, the National Institute on Minority Health and Health Disparities, the National Institute on Drug Abuse, the NIH Office of Behavioral and Social Science Research, and the NIH Office of Disease Prevention. Data from Waves I-V of Add Health are from the Add Health Program Project, grant P01 HD31921 (Kathleen Mullan Harris) from the Eunice Kennedy Shriver National Institute of Child Health and Human Development, with cooperative funding from 23 other federal agencies and foundations. Add Health was originally designed by J. Richard Udry, Peter S. Bearman, and Kathleen Mullan Harris at the University of North Carolina at Chapel Hill. Add Health is currently directed by Robert A. Hummer; it was previously directed by Kathleen Mullan Harris (2004-2021) and J. Richard Udry (1994-2004). Information on obtaining Add Health data is available on the project website (<https://addhealth.cpc.unc.edu>).

Ordered Cause of Death File, 2022

Title	Ordered Cause of Death File, 2022
File Name	ndi22c.sas7bdat
Case Quantity	2377
Variable Count	7

AID - RESPONDENT IDENTIFIER

Type	Text
Constraints	Maximum Length: 8
AID	Respondent identifier

Valid	Invalid	Minimum	Maximum
2377	0	22578316	99886994

NDIVS22 - SAMPLE MEMBERS VITAL STATUS, 2022

Type	Code
Measurement Unit	numeric
NDIVS22	Sample members vital status, 2022

			Frequency	% of total	% of valid
Valid	0	alive	0	0%	0%
	1	deceased	2377	100%	100%
Total			2,377	100%	100%

Valid	Invalid	Minimum	Maximum
2377	0	1	1

NDICV922 - ICD-9 VERSION CONVERTED TO ICD-10, 2022

Type	Code
Measurement Unit	numeric
NDICV922	ICD-9 Code converted to ICD-10 Code version, 2022

			Frequency	% of total	% of valid
Valid	0	not converted	2257	94.95%	95.07%
	1	converted from 9th to 10th version	117	4.92%	4.93%
Total			2,374	99.87%	100%
Missing	-9980	not applicable	3	0.13%	
	Total		3	0.13%	

Valid	Invalid	Minimum	Maximum
2374	3	0	1

NDIEL22 - ENTITY AXIS PART/LINE NUMBER, 2022

Type	Code
Measurement Unit	numeric
NDIEL22	Entity-Axis condition codes, Part/line number on certificate, 2022

			Frequency	% of total	% of valid
Valid	1	Part I, line 1 (a)	1159	48.76%	48.94%
	2	Part I, line 2 (b)	371	15.61%	15.67%
	3	Part I, line 3 (c)	165	6.94%	6.97%
	4	Part I, line 4 (d)	68	2.86%	2.87%
	5	Part I, line 5 (e)	4	0.17%	0.17%
	6	Part II	601	25.28%	25.38%
		Total	2,368	99.62%	100%
Missing	-9992	missing in source	7	0.29%	
	-9980	not applicable	2	0.08%	
		Total	9	0.38%	

Valid	Invalid	Minimum	Maximum
2368	9	1	6

NDIES22 - ENTITY AXIS SEQ IN PART/LINE, 2022

Type	Code
Measurement Unit	numeric
NDIES22	Entity-Axis conditions code, Sequence of condition within part/line code range 1-8, 2022

			Frequency	% of total	% of valid
Valid	1	position 1	1549	65.17%	65.41%
	2	position 2	552	23.22%	23.31%
	3	position 3	156	6.56%	6.59%
	4	position 4	64	2.69%	2.7%
	5	position 5	23	0.97%	0.97%
	6	position 6	14	0.59%	0.59%
	7	position 7	6	0.25%	0.25%
	8	position 8	4	0.17%	0.17%
		Total	2,368	99.62%	100%
Missing	-9992	missing in source	7	0.29%	
	-9980	not applicable	2	0.08%	
		Total	9	0.38%	

Valid	Invalid	Minimum	Maximum
2368	9	1	8

NDIEC22 - ENTITY AXIS CONDITION CODES, 2022

Type	Code
Measurement Unit	numeric
NDIEC22	Entity-Axis condition code, 2022

Valid			Frequency	% of total	% of valid
	1	A00-A28/A50-B23/B25-B99	18	0.76%	0.77%
	2	A30-A41.8/A42-A49	13	0.55%	0.55%
	3	A41.9	32	1.35%	1.36%
	4	B24	17	0.72%	0.72%
	5	C00-C14/C30-C50.8/C51-C75	30	1.26%	1.28%
	6	C15-C26	19	0.8%	0.81%
	7	C50.9	10	0.42%	0.43%
	8	C76-C80	16	0.67%	0.68%
	9	C81-C96	14	0.59%	0.6%
	10	D50-D89	22	0.93%	0.94%
	11	E00-E07/E15-E65/E67-E90	21	0.88%	0.89%
	12	E10-E14.8	18	0.76%	0.77%
	13	E14.9	28	1.18%	1.19%
	14	E66.0-E66.2/E66.9	20	0.84%	0.85%
	15	E66.8	21	0.88%	0.89%
	16	F00-F09/F20-F99	14	0.59%	0.6%
	17	F10	23	0.97%	0.98%
	18	F11-F17.8/F18	16	0.67%	0.68%
	19	F17.9	27	1.14%	1.15%
	20	F19.0/F19.2-F19.9	19	0.8%	0.81%
	21	F19.1	26	1.09%	1.11%
	22	G00-G37/G50-G92/G94-G99	10	0.42%	0.43%
	23	G40-G47	13	0.55%	0.55%
	24	G93	24	1.01%	1.02%
	25	I00-I09/I11.0/I12-I20/I22-I24/I70-I99	21	0.88%	0.89%
	26	I10	29	1.22%	1.24%
	27	I11.9	17	0.72%	0.72%
	28	I21	18	0.76%	0.77%
	29	I25.0/I25.2-I25.9	19	0.8%	0.81%
	30	I25.1	18	0.76%	0.77%
	31	I26-I28	16	0.67%	0.68%
	32	I30-I41/I43-I46.1/I47-I48/I52	18	0.76%	0.77%
	33	I42	19	0.8%	0.81%
	34	I46.9	63	2.65%	2.68%
	35	I49	11	0.46%	0.47%
	36	I50	26	1.09%	1.11%
	37	I51	14	0.59%	0.6%

38	I60-I69	26	1.09%	1.11%
39	J00-J17/J20-J70/J85-J95/J98-J99	30	1.26%	1.28%
40	J18	30	1.26%	1.28%
41	J80-J84	14	0.59%	0.6%
42	J96.0	24	1.01%	1.02%
43	J96.1-J96.9	11	0.46%	0.47%
44	K00-K14/K35-K67/K80-K93	19	0.8%	0.81%
45	K20-K31	10	0.42%	0.43%
46	K70-K77	30	1.26%	1.28%
47	M00-M99	11	0.46%	0.47%
48	N00-N16/N20-N99	11	0.46%	0.47%
49	N17/N19	18	0.76%	0.77%
50	N18	18	0.76%	0.77%
51	O00-O99	13	0.55%	0.55%
52	R00-R09	21	0.88%	0.89%
53	R10-R49/R70-R99	19	0.8%	0.81%
54	R50-R56.0/R57-R68.3/R69	18	0.76%	0.77%
55	R56.8	11	0.46%	0.47%
56	R68.8	10	0.42%	0.43%
57	S00/S02-S05/S07-S09.8/S40-T06 /T15-T35/T79/T90-T98	27	1.14%	1.15%
58	S01.0-S01.8	15	0.63%	0.64%
59	S01.9	42	1.77%	1.79%
60	S06.0-S06.7/S06.9	18	0.76%	0.77%
61	S06.8	16	0.67%	0.68%
62	S09.9	41	1.72%	1.75%
63	S10-S19	18	0.76%	0.77%
64	S20/S22-S29.8	15	0.63%	0.64%
65	S21	20	0.84%	0.85%
66	S29.9	11	0.46%	0.47%
67	S30-S39	24	1.01%	1.02%
68	T07	38	1.6%	1.62%
69	T08-T14.0/T14.2-T14.8	21	0.88%	0.89%
70	T14.1	40	1.68%	1.7%
71	T14.9	29	1.22%	1.24%
72	T36-T39/T41-T42/T44-T50.8	31	1.3%	1.32%
73	T40.0/T40.3/T40.6-T40.9	17	0.72%	0.72%
74	T40.1	17	0.72%	0.72%
75	T40.2	30	1.26%	1.28%
76	T40.4	50	2.1%	2.13%
77	T40.5	29	1.22%	1.24%
78	T43.0-T43.5/T43.8-T43.9	12	0.5%	0.51%
79	T43.6	23	0.97%	0.98%
80	T50.9	70	2.94%	2.98%
81	T51.0	14	0.59%	0.6%
82	T51.1-T51.8/T52-T65	14	0.59%	0.6%
83	T51.9	15	0.63%	0.64%
84	T66-T70/T73-T78	25	1.05%	1.06%
85	T71	56	2.36%	2.39%
86	T80-T88	13	0.55%	0.55%

87	U07.1	21	0.88%	0.89%
88	V01-V09	13	0.55%	0.55%
89	V10-V39/V50-V79/V90-V99	17	0.72%	0.72%
90	V40-V48	18	0.76%	0.77%
91	V49	15	0.63%	0.64%
92	V80-V89.1/V89.3-V89.9	18	0.76%	0.77%
93	V89.2	28	1.18%	1.19%
94	W00-X39/X50-X59	32	1.35%	1.36%
95	X40-X41/X43/X46-X49	16	0.67%	0.68%
96	X42	54	2.27%	2.3%
97	X44	49	2.06%	2.09%
98	X45	22	0.93%	0.94%
99	X60-X69/X71/X73/X75-X84	24	1.01%	1.02%
100	X70	21	0.88%	0.89%
101	X72	10	0.42%	0.43%
102	X74	21	0.88%	0.89%
103	X85-X94/X96-Y09	11	0.46%	0.47%
104	X95	36	1.51%	1.53%
105	Y10-Y36/Y85-Y98	13	0.55%	0.55%
106	Y40-Y84	14	0.59%	0.6%
	Total	2,348	98.78%	100%
Missing	-9992	missing in source	7	0.29%
	-9982	suppressed	16	0.67%
	-9980	not applicable	6	0.25%
	Total	29	1.22%	

Valid	Invalid	Minimum	Maximum
2348	29	1	106

NDIRC22 - RECORD AXIS CONDITION CODES, 2022

Type	Code
Measurement Unit	numeric
NDIRC22	Record-Axis condition code, 2022

			Frequency	% of total	% of valid
Valid	1	A00-A28/A50-B19/B25-B99	15	0.63%	0.69%
	2	A30-A41.8/A42-A49	12	0.5%	0.55%
	3	A41.9	28	1.18%	1.29%
	4	B20-B24	19	0.8%	0.88%
	5	C00-C14/C30-C50.8/C51-C75	27	1.14%	1.25%
	6	C15-C26	19	0.8%	0.88%
	7	C50.9	10	0.42%	0.46%
	8	C76-C80	15	0.63%	0.69%
	9	C81-C97	14	0.59%	0.65%
	10	D50-D89	21	0.88%	0.97%
	11	E00-E07/E15-E65/E67-E90	19	0.8%	0.88%
	12	E10-E13	16	0.67%	0.74%

13	E14	31	1.3%	1.43%
14	E66.0-E66.2/E66.9	20	0.84%	0.92%
15	E66.8	20	0.84%	0.92%
16	F00-F09/F20-F99	14	0.59%	0.65%
17	F10	16	0.67%	0.74%
18	F11-F17.8/F18	16	0.67%	0.74%
19	F17.9	28	1.18%	1.29%
20	F19.0/F19.2-F19.9	19	0.8%	0.88%
21	F19.1	25	1.05%	1.15%
22	G00-G92/G94-G99	21	0.88%	0.97%
23	G93	24	1.01%	1.11%
24	I00-I09/I20/I22-I24/I70-I99	16	0.67%	0.74%
25	I10	28	1.18%	1.29%
26	I11-I15	18	0.76%	0.83%
27	I21	17	0.72%	0.78%
28	I25.0/I25.2-I25.9	19	0.8%	0.88%
29	I25.1	17	0.72%	0.78%
30	I26-I28	12	0.5%	0.55%
31	I30-I41/I43-I46.1/I47-I49/I52	27	1.14%	1.25%
32	I42	19	0.8%	0.88%
33	I46.9	63	2.65%	2.91%
34	I50	22	0.93%	1.01%
35	I51	12	0.5%	0.55%
36	I60-I69	24	1.01%	1.11%
37	J00-J06/J20-J70/J85-J95/J98-J99	20	0.84%	0.92%
38	J09-J18	35	1.47%	1.61%
39	J80-J84	14	0.59%	0.65%
40	J96.0	23	0.97%	1.06%
41	J96.1-J96.9	11	0.46%	0.51%
42	K00-K67/K80-K93	27	1.14%	1.25%
43	K70	12	0.5%	0.55%
44	K71-K77	17	0.72%	0.78%
45	M00-M99	11	0.46%	0.51%
46	N00-N99	36	1.51%	1.66%
47	R00-R09	21	0.88%	0.97%
48	R10-R49/R70-R98	10	0.42%	0.46%
49	R50-R56.0/R57-R68.3/R69	17	0.72%	0.78%
50	R56.8	10	0.42%	0.46%
51	R68.8	10	0.42%	0.46%
52	R99	13	0.55%	0.6%
53	S00/S02-S05/S07-S09.8/S40-T06 /T15-T35/T79/T90-T98	27	1.14%	1.25%
54	S01.0-S01.8	13	0.55%	0.6%
55	S01.9	36	1.51%	1.66%
56	S06.0-S06.7/S06.9	18	0.76%	0.83%
57	S06.8	16	0.67%	0.74%
58	S09.9	40	1.68%	1.85%
59	S10-S19	17	0.72%	0.78%
60	S20/S22-S29.8	14	0.59%	0.65%
61	S21	18	0.76%	0.83%

62	S29.9	12	0.5%	0.55%
63	S30-S39	24	1.01%	1.11%
64	T07	38	1.6%	1.75%
65	T08-T14.0/T14.2-T14.8	21	0.88%	0.97%
66	T14.1	40	1.68%	1.85%
67	T14.9	29	1.22%	1.34%
68	T36-T39/T41-T42/T44-T50.8	30	1.26%	1.38%
69	T40.0/T40.3/T40.6-T40.9	14	0.59%	0.65%
70	T40.1	15	0.63%	0.69%
71	T40.2	24	1.01%	1.11%
72	T40.4	41	1.72%	1.89%
73	T40.5	24	1.01%	1.11%
74	T43.0-T43.5/T43.8-T43.9	11	0.46%	0.51%
75	T43.6	20	0.84%	0.92%
76	T50.9	55	2.31%	2.54%
77	T51-T65	34	1.43%	1.57%
78	T66-T70/T73-T78	14	0.59%	0.65%
79	T71	29	1.22%	1.34%
80	T80-T88	13	0.55%	0.6%
81	U07.1	22	0.93%	1.01%
82	V01-V09	13	0.55%	0.6%
83	V10-V39/V50-V79/V90-V99	17	0.72%	0.78%
84	V40-V48	18	0.76%	0.83%
85	V49	16	0.67%	0.74%
86	V80-V89.1/V89.3-V89.9	18	0.76%	0.83%
87	V89.2	28	1.18%	1.29%
88	W00-X39/X50-X59	31	1.3%	1.43%
89	X40-X41/X43/X46-X49	16	0.67%	0.74%
90	X42	53	2.23%	2.44%
91	X44	48	2.02%	2.21%
92	X45	22	0.93%	1.01%
93	X60-X69/X71/X73/X75-X84	23	0.97%	1.06%
94	X70	21	0.88%	0.97%
95	X72	10	0.42%	0.46%
96	X74	21	0.88%	0.97%
97	X85-X94/X96-Y09	11	0.46%	0.51%
98	X95	36	1.51%	1.66%
99	Y10-Y36/Y85-Y98	13	0.55%	0.6%
100	Y40-Y84	14	0.59%	0.65%
	Total	2,168	91.21%	100%
Missing	-9992	missing in source	3	0.13%
	-9982	suppressed	23	0.97%
	-9980	not applicable	183	7.7%
	Total	209	8.79%	

Valid	Invalid	Minimum	Maximum
2168	209	1	100