Add Health
The National Longitudinal Study of Adolescent to Adult Health

Waves III-V Multi-year Air Pollution Exposure Estimates

UNC CAROLINA POPULATION CENTER

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

Add Health is supported by grant P01-HD31921 from the Eunice Kennedy Shriver National Institute of Child Health and Human Development, with cooperative funding from 23 other federal agencies and foundations.

Waves I-V of Add Health were funded by grant P01 HD31921 (Harris) from the *Eunice Kennedy Shriver* National Institute of Child Health and Human Development (NICHD), with cooperative funding from 23 other federal agencies and foundations. Add Health is currently directed by Robert A. Hummer and funded by the National Institute on Aging cooperative agreements U01 AG071448 (Hummer) and U01AG071450 (Aiello and Hummer) at the University of North Carolina at Chapel Hill. Add Health was designed by J. Richard Udry, Peter S. Bearman, and Kathleen Mullan Harris at the University of North Carolina at Chapel Hill.

Waves III-V Multi-year Air Pollution Exposure Estimates

Title	Waves III-V Multi-year Air Pollution Exposure Estimates
File Name	w5appmo3.xpt
Case Quantity	20745
Variable Count	33

AID - RESPONDENT IDENTIFIER NUMBER

Type	Text
Constraints	Maximum Length: 8
AID	Respondent Identifier

Valid	Invalid	Minimum	Maximum
20745	0	10316654	99886999

APPM02W3 - W3 TRACT: PM2.5 ESTIMATE, 2002

Type	Numeric (Double)
APPM02W3	W3 Tract: PM2.5 Estimate, 2002

			Frequency	% of total	% of valid
Missing	992	Sample member not in wave	5575	26.87%	
	996	Missing source data	200	0.96%	
	998	Geocode missing for wave	281	1.35%	
		Total	6,056	29.19%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
14689	6056	4.46	23.74	13.272151...	3.3611183...

APPM03W3 - W3 TRACT: PM2.5 ESTIMATE, 2003

Type	Numeric (Double)
APPM03W3	W3 Tract: PM2.5 Estimate, 2003

			Frequency	% of total	% of valid
Missing	992	Sample member not in wave	5575	26.87%	
	996	Missing source data	200	0.96%	
	998	Geocode missing for wave	281	1.35%	
		Total	6,056	29.19%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev

14689	6056	4.56	22.07	12.919169...	3.0041885...

APPM04W3 - W3 TRACT: PM2.5 ESTIMATE, 2004

Type	Numeric (Double)
APPM04W3	W3 Tract: PM2.5 Estimate, 2004

			Frequency	% of total	% of valid
Missing	992	Sample member not in wave	5575	26.87%	
	996	Missing source data	200	0.96%	
	998	Geocode missing for wave	281	1.35%	
		Total	6,056	29.19%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
14689	6056	4.32	20.2	12.566584...	2.7113237...

APPM05W3 - W3 TRACT: PM2.5 ESTIMATE, 2005

Type	Numeric (Double)
APPM05W3	W3 Tract: PM2.5 Estimate, 2005

			Frequency	% of total	% of valid
Missing	992	Sample member not in wave	5575	26.87%	
	996	Missing source data	200	0.96%	
	998	Geocode missing for wave	281	1.35%	
		Total	6,056	29.19%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
14689	6056	4.54	18.65	13.127278...	2.6484677...

APPM06W4 - W4 TRACT: PM2.5 ESTIMATE, 2006

Type	Numeric (Double)
APPM06W4	W4 Tract: PM2.5 Estimate, 2006

			Frequency	% of total	% of valid
Missing	992	Sample member not in wave	5044	24.31%	
	996	Missing source data	163	0.79%	
	998	Geocode missing for wave	5	0.02%	
		Total	5,212	25.12%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
15533	5212	4.11	17.54	12.125266...	2.3908739...

APPM07W4 - W4 TRACT: PM2.5 ESTIMATE, 2007

Type	Numeric (Double)
APPM07W4	W4 Tract: PM2.5 Estimate, 2007

			Frequency	% of total	% of valid
Missing	992	Sample member not in wave	5044	24.31%	
	996	Missing source data	163	0.79%	
	998	Geocode missing for wave	5	0.02%	
		Total	5,212	25.12%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
15533	5212	4.26	18.32	12.218859...	2.4703019...

APPM08W4 - W4 TRACT: PM2.5 ESTIMATE, 2008

Type	Numeric (Double)
APPM08W4	W4 Tract: PM2.5 Estimate, 2008

			Frequency	% of total	% of valid
Missing	992	Sample member not in wave	5044	24.31%	
	996	Missing source data	163	0.79%	
	998	Geocode missing for wave	5	0.02%	
		Total	5,212	25.12%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
15533	5212	4.96	18.31	11.346911...	1.9931028...

APPM09W4 - W4 TRACT: PM2.5 ESTIMATE, 2009

Type	Numeric (Double)
APPM09W4	W4 Tract: PM2.5 Estimate, 2009

			Frequency	% of total	% of valid
Missing	992	Sample member not in wave	5044	24.31%	
	996	Missing source data	163	0.79%	
	998	Geocode missing for wave	5	0.02%	
		Total	5,212	25.12%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
15533	5212	5.19	16.94	10.125475...	1.8399303...

APPM10W4 - W4 TRACT: PM2.5 ESTIMATE, 2010

Type	Numeric (Double)
APPM10W4	W4 Tract: PM2.5 Estimate, 2010

			Frequency	% of total	% of valid
Missing	992	Sample member not in wave	5044	24.31%	
	996	Missing source data	163	0.79%	
	998	Geocode missing for wave	5	0.02%	
		Total	5,212	25.12%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
15533	5212	4.71	14.32	9.9505040...	1.7759634...

APPM11W4 - W4 TRACT: PM2.5 ESTIMATE, 2011

Type	Numeric (Double)
APPM11W4	W4 Tract: PM2.5 Estimate, 2011

			Frequency	% of total	% of valid
Missing	992	Sample member not in wave	5044	24.31%	
	996	Missing source data	163	0.79%	
	998	Geocode missing for wave	5	0.02%	
		Total	5,212	25.12%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
15533	5212	4.44	14.2	9.9963452...	1.5547662...

APPM12W5 - W5 TRACT: PM2.5 ESTIMATE, 2012

Type	Numeric (Double)
APPM12W5	W5 Tract: PM2.5 Estimate, 2012

			Frequency	% of total	% of valid
Missing	992	Sample member not in wave	8446	40.71%	
	996	Missing source data	129	0.62%	
	998	Geocode missing for wave	919	4.43%	
		Total	9,494	45.77%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
11251	9494	4.26	13.32	9.4533410...	1.5375815...

APPM13W5 - W5 TRACT: PM2.5 ESTIMATE, 2013

Type	Numeric (Double)
APPM13W5	W5 Tract: PM2.5 Estimate, 2013

			Frequency	% of total	% of valid
Missing	992	Sample member not in wave	8446	40.71%	
	996	Missing source data	129	0.62%	
	998	Geocode missing for wave	919	4.43%	
		Total	9,494	45.77%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
11251	9494	3.95	16.28	9.2548475...	1.5446180...

APPM14W5 - W5 TRACT: PM2.5 ESTIMATE, 2014

Type	Numeric (Double)
APPM14W5	W5 Tract: PM2.5 Estimate, 2014

			Frequency	% of total	% of valid
Missing	992	Sample member not in wave	8446	40.71%	
	996	Missing source data	129	0.62%	
	998	Geocode missing for wave	919	4.43%	
		Total	9,494	45.77%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
11251	9494	3.57	15.84	9.7767469...	1.9115149...

APPM15W5 - W5 TRACT: PM2.5 ESTIMATE, 2015

Type	Numeric (Double)
APPM15W5	W5 Tract: PM2.5 Estimate, 2015

			Frequency	% of total	% of valid
Missing	992	Sample member not in wave	8446	40.71%	
	996	Missing source data	129	0.62%	
	998	Geocode missing for wave	919	4.43%	
		Total	9,494	45.77%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
11251	9494	3.87	15.69	9.2289218...	1.6264269...

APPM16W5 - W5 TRACT: PM2.5 ESTIMATE, 2016

Type	Numeric (Double)
APPM16W5	W5 Tract: PM2.5 Estimate, 2016

			Frequency	% of total	% of valid
Missing	992	Sample member not in wave	8446	40.71%	
	996	Missing source data	129	0.62%	
	998	Geocode missing for wave	919	4.43%	
		Total	9,494	45.77%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
11251	9494	3.26	14.16	8.3926157...	1.5034373...

APPM17W5 - W5 TRACT: PM2.5 ESTIMATE, 2017

Type	Numeric (Double)
APPM17W5	W5 Tract: PM2.5 Estimate, 2017

			Frequency	% of total	% of valid
Missing	992	Sample member not in wave	8446	40.71%	
	996	Missing source data	129	0.62%	
	998	Geocode missing for wave	919	4.43%	
		Total	9,494	45.77%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
11251	9494	4.15	15.64	8.7406310...	1.4468804...

APO302W3 - W3 TRACT: O3 ESTIMATE, 2002

Type	Numeric (Double)
APO302W3	W3 Tract: O3 Estimate, 2002

			Frequency	% of total	% of valid
Missing	992	Sample member not in wave	5575	26.87%	
	996	Missing source data	200	0.96%	
	998	Geocode missing for wave	281	1.35%	
		Total	6,056	29.19%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
14689	6056	21.89	57.06	38.240548...	4.2418225...

APO303W3 - W3 TRACT: O3 ESTIMATE, 2003

Type	Numeric (Double)
APO303W3	W3 Tract: O3 Estimate, 2003

			Frequency	% of total	% of valid
Missing	992	Sample member not in wave	5575	26.87%	
	996	Missing source data	200	0.96%	
	998	Geocode missing for wave	281	1.35%	
		Total	6,056	29.19%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
14689	6056	26.31	57.83	37.490151...	4.0858633...

APO304W3 - W3 TRACT: O3 ESTIMATE, 2004

Type	Numeric (Double)
APO304W3	W3 Tract: O3 Estimate, 2004

			Frequency	% of total	% of valid
Missing	992	Sample member not in wave	5575	26.87%	
	996	Missing source data	200	0.96%	
	998	Geocode missing for wave	281	1.35%	
		Total	6,056	29.19%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
14689	6056	25.83	56.37	36.903900...	3.7393352...

APO305W3 - W3 TRACT: O3 ESTIMATE, 2005

Type	Numeric (Double)
APO305W3	W3 Tract: O3 Estimate, 2005

			Frequency	% of total	% of valid
Missing	992	Sample member not in wave	5575	26.87%	
	996	Missing source data	200	0.96%	
	998	Geocode missing for wave	281	1.35%	
		Total	6,056	29.19%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
14689	6056	25.18	55.02	38.432211...	4.2528419...

APO306W4 - W4 TRACT: O3 ESTIMATE, 2006

Type	Numeric (Double)
APO306W4	W4 Tract: O3 Estimate, 2006

			Frequency	% of total	% of valid
Missing	992	Sample member not in wave	5044	24.31%	
	996	Missing source data	163	0.79%	
	998	Geocode missing for wave	5	0.02%	
		Total	5,212	25.12%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
15533	5212	28.74	55.99	38.968176...	4.6046713...

APO307W4 - W4 TRACT: O3 ESTIMATE, 2007

Type	Numeric (Double)
APO307W4	W4 Tract: O3 Estimate, 2007

			Frequency	% of total	% of valid
Missing	992	Sample member not in wave	5044	24.31%	
	996	Missing source data	163	0.79%	
	998	Geocode missing for wave	5	0.02%	
		Total	5,212	25.12%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
15533	5212	24.13	57.07	39.037526...	4.5022180...

APO308W4 - W4 TRACT: O3 ESTIMATE, 2009

Type	Numeric (Double)
APO308W4	W4 Tract: O3 Estimate, 2009

			Frequency	% of total	% of valid
Missing	992	Sample member not in wave	5044	24.31%	
	996	Missing source data	163	0.79%	
	998	Geocode missing for wave	5	0.02%	
		Total	5,212	25.12%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
15533	5212	25.29	56.45	38.118235...	4.0737473...

APO309W4 - W4 TRACT: O3 ESTIMATE, 2009

Type	Numeric (Double)
APO309W4	W4 Tract: O3 Estimate, 2009

			Frequency	% of total	% of valid
Missing	992	Sample member not in wave	5044	24.31%	
	996	Missing source data	163	0.79%	
	998	Geocode missing for wave	5	0.02%	
		Total	5,212	25.12%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
15533	5212	26.01	56.5	37.068498...	3.6748811...

APO310W4 - W4 TRACT: O3 ESTIMATE, 2010

Type	Numeric (Double)
APO310W4	W4 Tract: O3 Estimate, 2010

			Frequency	% of total	% of valid
Missing	992	Sample member not in wave	5044	24.31%	
	996	Missing source data	163	0.79%	
	998	Geocode missing for wave	5	0.02%	
		Total	5,212	25.12%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
15533	5212	21.42	56.48	39.249666...	4.0426005...

APO311W4 - W4 TRACT: O3 ESTIMATE, 2011

Type	Numeric (Double)
APO311W4	W4 Tract: O3 Estimate, 2011

			Frequency	% of total	% of valid
Missing	992	Sample member not in wave	5044	24.31%	
	996	Missing source data	163	0.79%	
	998	Geocode missing for wave	5	0.02%	
		Total	5,212	25.12%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
15533	5212	25.24	56.6	39.221102...	4.3532116...

APO312W5 - W5 TRACT: O3 ESTIMATE, 2012

Type	Numeric (Double)
APO312W5	W5 Tract: O3 Estimate, 2012

			Frequency	% of total	% of valid
Missing	992	Sample member not in wave	8446	40.71%	
	996	Missing source data	129	0.62%	
	998	Geocode missing for wave	919	4.43%	
		Total	9,494	45.77%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
11251	9494	27.49	56.47	39.614859...	4.0045677...

APO313W5 - W5 TRACT: O3 ESTIMATE, 2013

Type	Numeric (Double)
APO313W5	W5 Tract: O3 Estimate, 2013

			Frequency	% of total	% of valid
Missing	992	Sample member not in wave	8446	40.71%	
	996	Missing source data	129	0.62%	
	998	Geocode missing for wave	919	4.43%	
		Total	9,494	45.77%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
11251	9494	24.91	55.72	37.815181...	3.8964479...

APO314W5 - W5 TRACT: O3 ESTIMATE, 2014

Type	Numeric (Double)
APO314W5	W5 Tract: O3 Estimate, 2014

			Frequency	% of total	% of valid
Missing	992	Sample member not in wave	8446	40.71%	
	996	Missing source data	129	0.62%	
	998	Geocode missing for wave	919	4.43%	
		Total	9,494	45.77%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
11251	9494	27.57	56.13	37.730767...	3.5224024...

APO315W5 - W5 TRACT: O3 ESTIMATE, 2015

Type	Numeric (Double)
APO315W5	W5 Tract: O3 Estimate, 2015

			Frequency	% of total	% of valid
Missing	992	Sample member not in wave	8446	40.71%	
	996	Missing source data	129	0.62%	
	998	Geocode missing for wave	919	4.43%	
		Total	9,494	45.77%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
11251	9494	27.52	54.45	37.617465...	3.4685975...

APO316W5 - W5 TRACT: O3 ESTIMATE, 2016

Type	Numeric (Double)
APO316W5	W5 Tract: O3 Estimate, 2016

			Frequency	% of total	% of valid
Missing	992	Sample member not in wave	8446	40.71%	
	996	Missing source data	129	0.62%	
	998	Geocode missing for wave	919	4.43%	
		Total	9,494	45.77%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
11251	9494	27.56	55.9	38.361789...	3.5812095...

APO317W5 - W5 TRACT: O3 ESTIMATE, 2017

Type	Numeric (Double)
APO317W5	W5 Tract: O3 Estimate, 2017

			Frequency	% of total	% of valid
Missing	992	Sample member not in wave	8446	40.71%	
	996	Missing source data	129	0.62%	
	998	Geocode missing for wave	919	4.43%	
		Total	9,494	45.77%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
11251	9494	28.04	58.88	38.355367...	3.6685889...