

2025

Add Health Wave VI Codebook



Add Health

The National Longitudinal Study of Adolescent to Adult Health

Add Health as a Resource for
the Science of the Exposome:

Roadway
Proximity / Density
Codebook

Acknowledgement

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Important Note: The above acknowledgement should be included in all presentations and publications using exposome data from Add Health.

Roadway Proximity Density

Title	Roadway Proximity Density
File Name	w5rddistdense.sas7bdat
Case Quantity	197963
Variable Count	24

AID - ADD HEALTH RESPONDENT LOCATION ID

Type	Text
Constraints	Maximum Length: 8

Valid	Invalid	Minimum	Maximum
197963	0	10316654	99886999

RMEROADSDFR - ROADS DATE FROM

Type	Text
Constraints	Maximum Length: 10
Notes	Date range: 01/03/1994--01/17/2019

Valid	Invalid
197963	0

RMEROADSDTO - ROADS DATE TO

Type	Text
Constraints	Maximum Length: 10
Notes	Date range: 08/31/1995--01/17/2019

Valid	Invalid
197963	0

RMEROADS001 - DISTANCE TO NEAREST A1 ROADWAY (M)

Type	Numeric (Double)
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			Frequency	% of total	% of valid
Missing	-9990	missing in the source contextual data	8697	4.39%	
	-9987	no roadways within the search radius	20710	10.46%	

		Total	29,407	14.85%	
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Valid	Invalid	Minimum	Maximum	Mean	StdDev
168556	29407	0	16086	2850.0537...	3011.8918...

 RMROADS002 - ANGLE TO NEAREST A1 ROADWAY (DEGREES)

Type	Numeric (Double)
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			Frequency	% of total	% of valid
Missing	-9990	missing in the source contextual data	8697	4.39%	
	-9987	no roadways within the search radius	20710	10.46%	
		Total	29,407	14.85%	


Valid	Invalid	Minimum	Maximum	Mean	StdDev
168556	29407	0	359	176.98537...	101.02095...

 RMROADS003 - SUMMED A1 ROADWAY LENGTH (M) WITHIN 100-M RADIUS BUFFER

Type	Numeric (Double)
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			Frequency	% of total	% of valid
Missing	-9990	missing in the source contextual data	8697	4.39%	
		Total	8,697	4.39%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
189266	8697	0	1004	3.3544746...	31.182286...

 RMROADS004 - SUMMED A1 ROADWAY LENGTH (M) WITHIN 200-M RADIUS BUFFER

Type	Numeric (Double)
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			Frequency	% of total	% of valid
Missing	-9990	missing in the source contextual data	8697	4.39%	
		Total	8,697	4.39%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev

189266	8697	0	3224	23.634646...	124.37015...
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 RMEROADS005 - SUMMED A1 ROADWAY LENGTH (M) WITHIN 300-M RADIUS BUFFER

Type	Numeric (Double)
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			Frequency	% of total	% of valid
Missing	-9990	missing in the source contextual data	8697	4.39%	
		Total	8,697	4.39%	


Valid	Invalid	Minimum	Maximum	Mean	StdDev
189266	8697	0	5791	63.639449...	256.07488...

 RMEROADS006 - SUMMED A1 ROADWAY LENGTH (M) WITHIN 400-M RADIUS BUFFER

Type	Numeric (Double)
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			Frequency	% of total	% of valid
Missing	-9990	missing in the source contextual data	8697	4.39%	
		Total	8,697	4.39%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
189266	8697	0	10152	124.11779...	418.64557...

 RMEROADS007 - SUMMED A1 ROADWAY LENGTH (M) WITHIN 500-M RADIUS BUFFER

Type	Numeric (Double)
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			Frequency	% of total	% of valid
Missing	-9990	missing in the source contextual data	8697	4.39%	
		Total	8,697	4.39%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
189266	8697	0	14130	206.94217...	605.24405...

 RMEROADS008 - DISTANCE TO NEAREST A2 ROADWAY (M)

Type	Numeric (Double)
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			Frequency	% of total	% of valid
Missing	-9990	missing in the source contextual data	8697	4.39%	
	-9987	no roadways within the search radius	5974	3.02%	
Total			14,671	7.41%	


Valid	Invalid	Minimum	Maximum	Mean	StdDev
183292	14671	0	16092	3242.9262...	3387.2378...

 RMEROADS009 - ANGLE TO NEAREST A2 ROADWAY (DEGREES)

Type	Numeric (Double)
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			Frequency	% of total	% of valid
Missing	-9990	missing in the source contextual data	8697	4.39%	
	-9987	no roadways within the search radius	5974	3.02%	
Total			14,671	7.41%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
183292	14671	0	359	183.02870...	101.37982...

 RMEROADS010 - SUMMED A2 ROADWAY LENGTH (M) WITHIN 100-M RADIUS BUFFER

Type	Numeric (Double)
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			Frequency	% of total	% of valid
Missing	-9990	missing in the source contextual data	8697	4.39%	
Total			8,697	4.39%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
189266	8697	0	888	6.9631259...	40.373211...

RMEROADS011 - SUMMED A2 ROADWAY LENGTH (M) WITHIN 200-M RADIUS BUFFER

Type	Numeric (Double)				
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			Frequency	% of total	% of valid
Missing	-9990	missing in the source contextual data	8697	4.39%	
		Total	8,697	4.39%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
189266	8697	0	2703	28.767713...	119.90192...

RMEROADS012 - SUMMED A2 ROADWAY LENGTH (M) WITHIN 300-M RADIUS BUFFER

Type	Numeric (Double)				
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			Frequency	% of total	% of valid
Missing	-9990	missing in the source contextual data	8697	4.39%	
		Total	8,697	4.39%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
189266	8697	0	4658	66.641134...	229.05532...

RMEROADS013 - SUMMED A2 ROADWAY LENGTH (M) WITHIN 400-M RADIUS BUFFER

Type	Numeric (Double)				
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			Frequency	% of total	% of valid
Missing	-9990	missing in the source contextual data	8697	4.39%	
		Total	8,697	4.39%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
189266	8697	0	6202	120.48567...	359.23670...

RMEROADS014 - SUMMED A2 ROADWAY LENGTH (M) WITHIN 500-M RADIUS BUFFER

Type	Numeric (Double)				
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			Frequency	% of total	% of valid
Missing	-9990	missing in the source contextual data	8697	4.39%	
		Total	8,697	4.39%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
189266	8697	0	8123	190.04715...	508.36797...

RMEROADS015 - DISTANCE TO NEAREST A3 ROADWAY (M)

Type	Numeric (Double)				
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			Frequency	% of total	% of valid
Missing	-9990	missing in the source contextual data	8697	4.39%	
	-9987	no roadways within the search radius	71	0.04%	
		Total	8,768	4.43%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
189195	8768	0	15901	570.93709...	1065.4688...

RMEROADS016 - ANGLE TO NEAREST A3 ROADWAY (DEGREES)

Type	Numeric (Double)				
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			Frequency	% of total	% of valid
Missing	-9990	missing in the source contextual data	8697	4.39%	
	-9987	no roadways within the search radius	71	0.04%	
		Total	8,768	4.43%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
189195	8768	0	359	174.35321...	106.05050...

RMEROADS017 - SUMMED A3 ROADWAY LENGTH (M) WITHIN 100-M RADIUS BUFFER

Type	Numeric (Double)				
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			Frequency	% of total	% of valid
Missing	-9990	missing in the source contextual data	8697	4.39%	
		Total	8,697	4.39%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
189266	8697	0	1006	49.747635...	100.02610...

RMEROADS018 - SUMMED A3 ROADWAY LENGTH (M) WITHIN 200-M RADIUS BUFFER

Type	Numeric (Double)				
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			Frequency	% of total	% of valid
Missing	-9990	missing in the source contextual data	8697	4.39%	
		Total	8,697	4.39%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
189266	8697	0	3062	194.68694...	278.35018...

RMEROADS019 - SUMMED A3 ROADWAY LENGTH (M) WITHIN 300-M RADIUS BUFFER

Type	Numeric (Double)				
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			Frequency	% of total	% of valid
Missing	-9990	missing in the source contextual data	8697	4.39%	
		Total	8,697	4.39%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
189266	8697	0	4939	437.42452...	515.92924...

RMEROADS020 - SUMMED A3 ROADWAY LENGTH (M) WITHIN 400-M RADIUS BUFFER

Type	Numeric (Double)
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			Frequency	% of total	% of valid
Missing	-9990	missing in the source contextual data	8697	4.39%	
		Total	8,697	4.39%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
189266	8697	0	7367	779.90243...	804.33879...

RMEROADS021 - SUMMED A3 ROADWAY LENGTH (M) WITHIN 500-M RADIUS BUFFER

Type	Numeric (Double)
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			Frequency	% of total	% of valid
Missing	-9990	missing in the source contextual data	8697	4.39%	
		Total	8,697	4.39%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
189266	8697	0	10783	1216.3826...	1149.8511...