

ICPSR 21600

National Longitudinal Study of Adolescent to Adult Health (Add Health), 1994-2018 [Public Use]

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Wave V: Biomarkers, Measures of Glucose Homeostasis Codebook/Questionnaire

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Wave V Glucose Homeostasis Public-Use



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B Wave V Glucose Homeostasis

Title	Wave V Glucose Homeostasis
Description	These data are unweighted, however the Add Health restricted-use data provide weights for the bio data. If interested in the nationally representative biological data, users should apply for a restricted-use contract.
File Name	pglua1c5.xpt
Case Quantity	1839
Variable Count	11

■ AID - RESPONDENT IDENTIFIER

Туре	Text
Constraints	Maximum Length: 8
AID	Respondent Identifier Number

Valid	Invalid	Minimum	Maximum
1839	0	57101310	99719976

■ H5GLUCOS - GLUCOSE (MG/DL) -W5

Туре	Numeric (Double)
Measurement Unit	Numeric
H5GLUCOS	Glucose assay results (mg/dl)

		Frequency	% of total	% of valid
Missing	missing	194	10.55%	
	Total	194	10.55%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
1645	194	45	532	94.595136	33.405041

■ H5HBA1C - HEMOGLOBIN A1c (%) -W5

Туре	Numeric (Double)
Measurement Unit	Numeric
H5HBA1C	HbA1c assay results (%)

		Frequency	% of total	% of valid
Missing	missing	208	11.31%	
	Total	208	11.31%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
1631	208	4.2	14	5.3594727	0.8959935

■ H5FASTTM - HOURS SINCE LAST ATE -W5

Туре	Numeric (Double)
Measurement Unit	Numeric
H5FASTTM	Number of hours since the last time the respondent ate

			Frequency	% of total	% of valid
Missing		not applicable (no blood draw)	115	6.25%	
	-999	implausible value < 0 hours	3	0.16%	
	999	implausible value >= 24 hours	12	0.65%	
		Total	130	7.07%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
1709	130	0	23.8	9.3934289	5.4579962

■ H5FASTGL - FLAG: FASTED FOR 8+ HOURS -W5

Туре	Code
Measurement Unit	Numeric
H5FASTGL	FLAG indicating respondent fasted for eight or more hours

			Frequency	% of total	% of valid
Valid	0	no	613	33.33%	35.87%
	1	yes	1096	59.6%	64.13%
		Total	1,709	92.93%	100%
Missing		not applicable (no fasting hours)	130	7.07%	
		Total	130	7.07%	

Valid	Invalid	Minimum	Maximum
1709	130	0	1

■ H5CFGLU - CLASS OF FASTING GLUCOSE (ADA) -W5

Туре	Code
Measurement Unit	Numeric
H5CFGLU	The classification of glucose concentrations among respondents who were
	fasting (>= 8 hours) at the time of blood collection. It was constructed
	according to the 2020 American Diabetes Association clinical practice
	recommendations for the diagnosis and classification of diabetes.

			Frequency	% of total	% of valid
Valid	1	Normal: glucose is < 100 mg/dl	879	47.8%	53.43%
	2	Impaired Fasting Glucose (IFG)/Pre-Diabetes: glucose is 100-125 mg/dl	125	6.8%	7.6%
	3	Diabetes: glucose is > 125 mg/dl	44	2.39%	2.67%
	4	Non-fasting	583	31.7%	35.44%
	5	Fasting status unknown	14	0.76%	0.85%
		Total	1,645	89.45%	100%
Missing		not applicable (no glucose result)	194	10.55%	
		Total	194	10.55%	

Valid	Invalid	Minimum	Maximum
1645	194	1	5

■ H5CNFGLU - CLASS OF NON-FASTING GLUCOSE (ADA) -W5

Туре	Code
Measurement Unit	Numeric
H5CNFGLU	The classification of glucose concentrations among respondents who were non-fasting (< 8 hours) at the time of blood collection. It was constructed according to the 2020 American Diabetes Association clinical practice recommendations for the diagnosis and classification of diabetes.

			Frequency	% of total	% of valid
Valid	1	Normal: glucose is < 200 mg/dl	565	30.72%	34.35%
	2	Diabetes: glucose is >= 200 mg/dl	18	0.98%	1.09%
	3	Fasting	1048	56.99%	63.71%
	4	Fasting status unknown	14	0.76%	0.85%
		Total	1,645	89.45%	100%
Missing		not applicable (no glucose result)	194	10.55%	
		Total	194	10.55%	

Valid	Invalid	Minimum	Maximum
1645	194	1	4

■ H5CHBA1C - CLASSIFICATION OF HbA1c (ADA) -W5

Туре	Code
Measurement Unit	Numeric

H5CHBA1C	The classification of HbA1c among respondents was constructed without
	regard to fasting status at the time of blood collection according to the 2020
	American Diabetes Association clinical practice recommendations for the
	diagnosis and classification of diabetes.

			Frequency	% of total	% of valid
Valid	1	Normal: HbA1c (%) is < 5.7	1427	77.6%	87.49%
	2	Pre-Diabetes: HbA1c (%) is 5.7 - 6.4	135	7.34%	8.28%
	3	Diabetes: HbA1c (%) is > 6.4	69	3.75%	4.23%
		Total	1,631	88.69%	100%
Missing		not applicable (no HbA1c result)	208	11.31%	
		Total	208	11.31%	

Valid	Invalid	Minimum	Maximum
1631	208	1	3

■ H5Q045B - Q045b EVER DX WITH DIABETES -W5

Туре	Code
Measurement Unit	Numeric
H5Q045B	Has a doctor, nurse or health care provider ever told you that you have high
	blood sugar or diabetes (if female, when you were NOT pregnant)?

			Frequency	% of total	% of valid
Valid	0	no	1718	93.42%	93.47%
	1	yes	120	6.53%	6.53%
		Total	1,838	99.95%	100%
Missing	95	not asked of everyone	1	0.05%	
		Total	1	0.05%	

Valid	Invalid	Minimum	Maximum
1838	1	0	1

■ H5C_MED - FLAG: ANTI-DIABETIC MED USE -W5

Туре	Code
Measurement Unit	Numeric
H5C_MED	FLAG indicating respondent took an anti-diabetic medication in the past 4 weeks

	Frequency	% of total	% of valid
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Valid	0	no	1718	93.42%	95.29%
	1	yes	85	4.62%	4.71%
		Total	1,803	98.04%	100%
Missing	94	exam stopped prior to the medication questions	5	0.27%	
	96	refused	1	0.05%	
	99	respondent reported taking prescription medication(s), but specific medication(s) not reported	30	1.63%	
		Total	36	1.96%	

Valid	Invalid	Minimum	Maximum
1803	36	0	1

■ H5DIABJC - DIABETES JOINT CLASSIFICATION -W5

Туре	Code
Measurement Unit	Numeric
H5DIABJC	FLAG indicating respondent has EITHER fasting glucose >= 126 mg/dl (H5CFGLU=3) OR non-fasting glucose >= 200 mg/dl (H5CNFGLU=2) OR HbA1c >= 6.5% (H5CHBA1C=3) OR a self-reported history of diabetes except during pregnancy (H5Q045B=1) OR has taken an anti-diabetic medication in the past 4 weeks (H5C_MED=1)

			Frequency	% of total	% of valid
Valid	0	no evidence of diabetes	1676	91.14%	91.14%
	1	evidence of diabetes	163	8.86%	8.86%
		Total	1,839	100%	100%

Valid	Invalid	Minimum	Maximum
1839	0	0	1