Add Health
The National Longitudinal Study of Adolescent to Adult Health

Wave V Cardiovascular Measures

UNC | CAROLINA POPULATION CENTER

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Wave V Cardiovascular Measures

Title	Wave V Cardiovascular Measures
File Name	bcardio5.xpt
Case Quantity	5381
Variable Count	31

AID - RESPONDENT IDENTIFIER

Type	Text
Constraints	Maximum Length: 8
AID	Respondent Identifier Number

Valid	Invalid	Minimum	Maximum
5381	0	10506342	99886996

H5Q015 - Q015 SMOKE ANY TOBACCO PRODUCTS -W5

Type	Code
Measurement Unit	Numeric
H5Q015	Q015. Do you smoke any tobacco products, like cigarettes?

			Frequency	% of total	% of valid
Valid	0	no	4,168	77.46%	77.46%
	1	yes	1,213	22.54%	22.54%
		Total	5,381	100%	100%

Valid	Invalid	Minimum	Maximum
5381	0	0	1

H5ARM - Q023 WHICH ARM IS MEASURED (1=R,2=L) -W5

Type	Code
Measurement Unit	Numeric
H5ARM	Use right arm unless instructed otherwise
	Q023. EXAMINER: Which arm is measured?

			Frequency	% of total	% of valid
Valid	1	right	4,876	90.62%	90.72%
	2	left	499	9.27%	9.28%
		Total	5,375	99.89%	100%

				Frequency	% of total	
Missing	96	refused		6	0.11%	
		Total		6	0.11%	

Valid	Invalid	Minimum	Maximum
5375	6	1	2

H5ARMCIR - MEASURED ARM CIRCUMFERENCE (CM) -W5

Type	Numeric (Double)
H5ARMCIR	Q025a. EXAMINER: Enter arm circumference to nearest 0.5 cm or inch. [Note: All measurements in inches were converted to centimeters.]

				Frequency	% of total	% of valid
Missing	9996	refused		6	0.11%	
	9999	invalid data		5	0.09%	
		Total		11	0.2%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
5370	11	9.5	66	30.895027...	5.1649887...

H5ARMINS - FLAG: ARM CONVERTED INCHES TO CMs -W5

Type	Code
Measurement Unit	Numeric
H5ARMINS	FLAG indicating arm was measured in inches and was converted to centimeters.

			Frequency	% of total	% of valid
Valid	0	no	5,299	98.48%	98.68%
	1	yes	71	1.32%	1.32%
		Total	5,370	99.8%	100%
Missing	.	not applicable (no arm measurement)	11	0.2%	
		Total	11	0.2%	

Valid	Invalid	Minimum	Maximum
5370	11	0	1

H5CUFFIT - FLAG: ARM CIRCUMFERENCE FIT BP CUFF -W5

Type	Code
Measurement Unit	Numeric
H5CUFFIT	FLAG indicating arm fit the AH BP unit cuff

			Frequency	% of total	% of valid
Valid	0	no	358	6.65%	6.66%
	1	yes	5,017	93.24%	93.34%
		Total	5,375	99.89%	100%
Missing	.	not applicable (no arm measurement)	6	0.11%	
		Total	6	0.11%	

Valid	Invalid	Minimum	Maximum
5375	6	0	1

H5Q031 - Q031 SYSTOLIC BP #1 (MMHg) -W5

Type	Numeric (Double)
H5Q031	Q031 Systolic blood pressure measure #1 (MMHg)

			Frequency	% of total	% of valid
Missing	.	no measure	221	4.11%	
		Total	221	4.11%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
5160	221	73	229	124.33585...	16.303128...

H5Q032 - Q032 DIASTOLIC BP #1 (MMHg) -W5

Type	Numeric (Double)
H5Q032	Q032 Diastolic blood pressure measure #1 (MMHg)

			Frequency	% of total	% of valid
Missing	.	no measure	221	4.11%	
		Total	221	4.11%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
5160	221	31	161	80.180038...	11.465952...

H5Q033 - Q033 PULSE RATE #1 (/MIN) -W5

Type	Numeric (Double)
H5Q033	Q033 Pulse rate measure #1 (/MIN)

			Frequency	% of total	% of valid
Missing	.	no measure	221	4.11%	
		Total	221	4.11%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
5160	221	40	135	75.034302...	12.343212...

H5Q036 - Q036 SYSTOLIC BP #2 (MMHg) -W5

Type	Numeric (Double)
H5Q036	Q036 Systolic blood pressure measure #2 (MMHg)

			Frequency	% of total	% of valid
Missing	.	no measure	223	4.14%	
		Total	223	4.14%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
5158	223	79	217	122.91527...	15.622783...

H5Q037 - Q037 DIASTOLIC BP #2 (MMHg) -W5

Type	Numeric (Double)
H5Q037	Q037 Diastolic blood pressure measure #2 (MMHg)

			Frequency	% of total	% of valid
Missing	.	no measure	223	4.14%	
		Total	223	4.14%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
5158	223	45	134	79.656262...	11.148768...

H5Q038 - Q038 PULSE RATE #2 (/MIN) -W5

Type	Numeric (Double)
H5Q038	Q038 Pulse rate measure #2 (/MIN)

			Frequency	% of total	% of valid
Missing	.	no measure	223	4.14%	
		Total	223	4.14%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
5158	223	40	164	75.137456...	12.361197...

H5Q041 - Q041 SYSTOLIC BP #3 (MMHg) -W5

Type	Numeric (Double)
H5Q041	Q041 Systolic blood pressure measure #3 (MMHg)

			Frequency	% of total	% of valid
Missing	.	no measure	230	4.27%	
		Total	230	4.27%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
5151	230	78	213	122.19394...	15.287924...

H5Q042 - Q042 DIASTOLIC BP #3 (MMHg) -W5

Type	Numeric (Double)
H5Q042	Q042 Diastolic blood pressure measure #3 (MMHg)

			Frequency	% of total	% of valid
Missing	.	no measure	230	4.27%	
		Total	230	4.27%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
5151	230	44	132	79.256649...	11.022366...

H5Q043 - Q043 PULSE RATE #3 (/MIN) -W5

Type	Numeric (Double)
H5Q043	Q043 Pulse rate measure #3 (/MIN)

			Frequency	% of total	% of valid
Missing	.	no measure	230	4.27%	
		Total	230	4.27%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
5151	230	40	139	75.049893...	12.091979...

H5BPFLG - # BPs/PRs USED FOR SINGLE MEASURE -W5

Type	Code
Measurement Unit	Numeric
H5BPFLG	Number of measures used to generate the final blood pressure and pulse variables

			Frequency	% of total	% of valid
Valid	1	measures 2 & 3	5,149	95.69%	95.69%
	2	measure 3 only	2	0.04%	0.04%
	3	measure 2 only	9	0.17%	0.17%
	4	measure 1 only	4	0.07%	0.07%
	5	no measures	217	4.03%	4.03%

		Total	5,381	100%	100%

Valid	Invalid	Minimum	Maximum
5381	0	1	5

H5SBP - SYSTOLIC BLOOD PRESSURE (MMHg) -W5

Type	Numeric (Double)
H5SBP	Systolic blood pressure (MMHg) based on Q031, Q036, Q041

			Frequency	% of total	% of valid
Missing	9996	refused	8	0.15%	
	9997	legitimate skip	194	3.61%	
	9999	invalid measurements	15	0.28%	
		Total	217	4.03%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
5164	217	80.5	215	122.57174…	14.862502…

H5DBP - DIASTOLIC BLOOD PRESSURE (MMHg) -W5

Type	Numeric (Double)
H5DBP	Diastolic blood pressure (MMHg) based on Q032, Q037, Q042

			Frequency	% of total	% of valid
Missing	9996	refused	8	0.15%	
	9997	legitimate skip	194	3.61%	
	9999	invalid measurements	15	0.28%	
		Total	217	4.03%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
5164	217	45	133	79.467854…	10.741532…

H5BPCLS5 - CLASS OF BLOOD PRESSURE (AHA/ACC) -W5

Type	Code
Measurement Unit	Numeric
H5BPCLS5	Blood pressure classification according to the Guideline for the Prevention, Detection, Evaluation, and Management of High Blood Pressure in Adults from the American Heart Association/American College of Cardiology Task Force (AHA/ACC)

	Frequency	% of total	% of valid

Valid	1	normal: systolic BP is < 120 and diastolic BP is < 80	2,036	37.84%	39.43%
	2	elevated: systolic BP is 120-129 and diastolic BP is < 80	614	11.41%	11.89%
	3	hypertension stage 1: systolic BP is 130-139 or diastolic BP is 80-89	1,521	28.27%	29.45%
	4	hypertension stage 2: systolic BP is 140-180 or diastolic BP is 90-120	978	18.18%	18.94%
	5	hypertension crisis: systolic BP is > 180 or diastolic BP is > 120	15	0.28%	0.29%
		Total	5,164	95.97%	100%
Missing	.	not applicable (no BP measure)	217	4.03%	
		Total	217	4.03%	

Valid	Invalid	Minimum	Maximum
5164	217	1	5

H5BPCLS4 - CLASS OF BLOOD PRESSURE (JNC7) -W5

Type	Code
Measurement Unit	Numeric
H5BPCLS4	Blood pressure classification according to guidelines from the Seventh Report of the Joint National Committee on Prevention Detection, Evaluation, and Treatment of High Blood Pressure (JNC7)

			Frequency	% of total	% of valid
Valid	1	normal: systolic BP is < 120 and diastolic BP is < 80	2,036	37.84%	39.43%
	2	pre-hypertension: systolic BP is 120-139 or diastolic BP is 80-89	2,135	39.68%	41.34%
	3	hypertension stage 1: systolic BP is 140-159 or diastolic BP is 90-99	770	14.31%	14.91%
	4	hypertension stage 2: systolic BP is >= 160 or diastolic BP is >= 100	223	4.14%	4.32%
		Total	5,164	95.97%	100%
Missing	.	not applicable (no BP measure)	217	4.03%	
		Total	217	4.03%	

Valid	Invalid	Minimum	Maximum
5164	217	1	4

H5PR - PULSE RATE (/MIN)-W5

Type	Numeric (Double)
H5PR	Pulse rate (/MIN) based on Q033, Q038, Q043

			Frequency	% of total	% of valid
Missing	9996	refused	8	0.15%	
	9997	legitimate skip	194	3.61%	
	9999	invalid measurements	15	0.28%	
		Total	217	4.03%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
5164	217	40	139	75.104182...	11.910396...

H5PP - PULSE PRESSURE (MMHg) -W5

Type	Numeric (Double)
H5PP	Pulse pressure (MMHg) - the difference between systolic and diastolic blood pressures

			Frequency	% of total	% of valid
Missing	9996	refused	8	0.15%	
	9997	legitimate skip	194	3.61%	
	9999	invalid measurements	15	0.28%	
		Total	217	4.03%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
5164	217	16	95.5	43.103892...	8.5195371...

H5MAP - MEAN ARTERIAL PRESSURE (MMHg) -W5

Type	Numeric (Double)
H5MAP	Mean arterial pressure (MMHg) - which is conventionally approximated as the weighted sum of systolic and diastolic blood pressure measures

			Frequency	% of total	% of valid
Missing	9996	refused	8	0.15%	
	9997	legitimate skip	194	3.61%	
	9999	invalid measurements	15	0.28%	
		Total	217	4.03%	

Valid	Invalid	Minimum	Maximum	Mean	StdDev
5164	217	61.2	157.7	93.835941...	11.594854...

H5Q045A - Q045a EVER DX HIGH BLOOD PRESSURE -W5

Type	Code
Measurement Unit	Numeric
H5Q045A	Q045. Has a doctor, nurse or health care provider ever told you that you have ANY of the following? a. High blood pressure or hypertension (if female, when you were NOT pregnant)

			Frequency	% of total	% of valid
Valid	0	no	4,390	81.58%	81.64%
	1	yes	987	18.34%	18.36%
		Total	5,377	99.93%	100%
Missing	94	exam stopped prior to question Q045	1	0.02%	
	95	not asked of everyone	1	0.02%	
	96	refused	2	0.04%	
		Total	4	0.07%	

Valid	Invalid	Minimum	Maximum
5377	4	0	1

H5Q045B - Q045b EVER DX WITH DIABETES -W5

Type	Code
Measurement Unit	Numeric
H5Q045B	Q045. Has a doctor, nurse or health care provider ever told you that you have ANY of the following? b. High blood sugar or diabetes (if female, when you were NOT pregnant)

			Frequency	% of total	% of valid
Valid	0	no	5,015	93.2%	93.27%
	1	yes	362	6.73%	6.73%
		Total	5,377	99.93%	100%
Missing	94	exam stopped prior to question Q045	1	0.02%	
	95	not asked of everyone	1	0.02%	
	96	refused	2	0.04%	
		Total	4	0.07%	

Valid	Invalid	Minimum	Maximum
5377	4	0	1

⊞ H5Q045C - Q045c EVER DX HEART ATTACK/SURGERY -W5

Type	Code
Measurement Unit	Numeric
H5Q045C	Q045. Has a doctor, nurse or health care provider ever told you that you have ANY of the following? c. Heart attack or heart surgery for clogged coronary arteries (including bypass, angioplasty or stent)

			Frequency	% of total	% of valid
Valid	0	no	5,330	99.05%	99.13%
	1	yes	47	0.87%	0.87%
		Total	5,377	99.93%	100%
Missing	94	exam stopped prior to question Q045	1	0.02%	
	95	not asked of everyone	1	0.02%	
	96	refused	2	0.04%	
		Total	4	0.07%	

Valid	Invalid	Minimum	Maximum
5377	4	0	1

⊞ H5Q045D - Q045d EVER DX KIDNEY DISEASE/FAILURE -W5

Type	Code
Measurement Unit	Numeric
H5Q045D	Q045. Has a doctor, nurse or health care provider ever told you that you have ANY of the following? d. Chronic kidney disease or failure

			Frequency	% of total	% of valid
Valid	0	no	5,309	98.66%	98.74%
	1	yes	68	1.26%	1.26%
		Total	5,377	99.93%	100%
Missing	94	exam stopped prior to question Q045	1	0.02%	
	95	not asked of everyone	1	0.02%	
	96	refused	2	0.04%	
		Total	4	0.07%	

Valid	Invalid	Minimum	Maximum
5377	4	0	1

⊞ H5Q045E - Q045e EVER DX STROKE/CLOGGD ARTERY -W5

Type	Code
Measurement Unit	Numeric
H5Q045E	Q045. Has a doctor, nurse or health care provider ever told you that you have ANY of the following? e. Stroke, mini-stroke, or surgery for clogged neck arteries (including endarterectomy, bypass, angioplasty or stent)

			Frequency	% of total	% of valid
Valid	0	no	5,328	99.02%	99.09%
	1	yes	49	0.91%	0.91%
		Total	5,377	99.93%	100%
Missing	94	exam stopped prior to question Q045	1	0.02%	
	95	not asked of everyone	1	0.02%	
	96	refused	2	0.04%	
		Total	4	0.07%	

Valid	Invalid	Minimum	Maximum
5377	4	0	1

⊞ H5Q045F - Q045f EVER DX HIGH CHOLESTROL/TRIG -W5

Type	Code
Measurement Unit	Numeric
H5Q045F	Q045. Has a doctor, nurse or health care provider ever told you that you have ANY of the following? f. High cholesterol or triglycerides

			Frequency	% of total	% of valid
Valid	0	no	4,626	85.97%	86.03%
	1	yes	751	13.96%	13.97%
		Total	5,377	99.93%	100%
Missing	94	exam stopped prior to question Q045	1	0.02%	
	95	not asked of everyone	1	0.02%	
	96	refused	2	0.04%	
		Total	4	0.07%	

Valid	Invalid	Minimum	Maximum
5377	4	0	1

H5AHT - FLAG: ANTIHYPERTENSIVE MEDICATION USE-W5

Type	Code
Measurement Unit	Numeric
H5AHT	FLAG indicating respondent took an antihypertensive medication in the past 4 weeks

			Frequency	% of total	% of valid
Valid	0	no	4,630	86.04%	87.91%
	1	yes	637	11.84%	12.09%
		Total	5,267	97.88%	100%
Missing	94	exam stopped prior to medication questions	23	0.43%	
	96	refused	2	0.04%	
	98	medication could not be classified	1	0.02%	
	99	respondent reported taking prescription medication(s), but specific medication(s) not reported	88	1.64%	
		Total	114	2.12%	

Valid	Invalid	Minimum	Maximum
5267	114	0	1

H5HTENJC - HYPERTENSION JOINT CLASSIFICATION -W5

Type	Code
Measurement Unit	Numeric
H5HTENJC	FLAG indicating respondent has EITHER a blood pressure measure classified as hypertension stage 1 or 2 based on JNC7 (H5BPCLS4=3 or 4) OR took an antihypertensive medication in the past 4 weeks (H5AHT=1) OR has ever been diagnosed with high blood pressure or hypertension (H5Q045A=1)

			Frequency	% of total	% of valid
Valid	0	no evidence of hypertension	3,759	69.86%	69.87%
	1	evidence of hypertension	1,621	30.12%	30.13%
		Total	5,380	99.98%	100%
Missing	.	missing on all components of joint classification	1	0.02%	
		Total	1	0.02%	

Valid	Invalid	Minimum	Maximum
5380	1	0	1