Wave V Cardiovascular Measures

Title

Wave V Cardiovascular Measures

Abstract

This file contains cardiovascular measures constructed from the three serial measurements of blood pressure and pulse rate collected at the Wave V Home Exam. The measures include systolic and diastolic blood pressure, pulse rate, pulse pressure and mean arterial pressure. Other variables included in the file are two classifications of blood pressure, flags based on self-reported medical history, an antihypertensive medication flag and a joint classification variable.

Variables: 31

Observations: 5,381

Variables

Wave V Cardiovascular Measures

- H5Q015 Q015 SMOKE ANY TOBACCO PRODUCTS -W5
- H5ARM Q023 WHICH ARM IS MEASURED (1=R,2=L) -W5
- H5ARMCIR MEASURED ARM CIRCUMFERENCE (CM) -W5
- H5ARMINS FLAG: ARM CONVERTED INCHES TO CMs -W5
- H5CUFFIT FLAG: ARM CIRCUMFERENCE FIT BP CUFF -W5
- H5Q031 Q031 SYSTOLIC BP #1 (MMHg) -W5
- H5Q032 Q032 DIASTOLIC BP #1 (MMHg) -W5
- H5Q033 Q033 PULSE RATE #1 (/MIN) -W5
- H5Q036 Q036 SYSTOLIC BP #2 (MMHg) -W5
- H5Q037 Q037 DIASTOLIC BP #2 (MMHg) -W5
- H5Q038 Q038 PULSE RATE #2 (/MIN) -W5
- H5Q041 Q041 SYSTOLIC BP #3 (MMHg) -W5
- H5Q042 Q042 DIASTOLIC BP #3 (MMHg) -W5
- H5Q043 Q043 PULSE RATE #3 (/MIN) -W5
- H5BPFLG # BPs/PRs USED FOR SINGLE MEASURE -W5
- H5SBP SYSTOLIC BLOOD PRESSURE (MMHg) -W5
- H5DBP DIASTOLIC BLOOD PRESSURE (MMHg) -W5
- H5BPCLS5 CLASS OF BLOOD PRESSURE (AHA/ACC) -W5
- H5BPCLS4 CLASS OF BLOOD PRESSURE (JNC7) -W5
- H5PR PULSE RATE (/MIN)-W5
- H5PP PULSE PRESSURE (MMHg) -W5
- H5MAP MEAN ARTERIAL PRESSURE (MMHg) -W5

- H5Q045A Q045a EVER DX HIGH BLOOD PRESSURE -W5
- H5Q045B Q045b EVER DX WITH DIABETES -W5
- H5Q045C Q045c EVER DX HEART ATTACK/SURGERY -W5
- H5Q045D Q045d EVER DX KIDNEY DISEASE/FAILURE -W5
- H5Q045E Q045e EVER DX STROKE/CLOGGD ARTERY -W5
- H5Q045F Q045f EVER DX HIGH CHOLESTROL/TRIG -W5
- H5AHT FLAG: ANTIHYPERTENSIVE MEDICATION USE-W5
- H5HTENJC HYPERTENSION JOINT CLASSIFICATION -W5

SH5Q015 - Q015 SMOKE ANY TOBACCO PRODUCTS -W5

Туре		Code	
Measurement Ur	nit	Numeric	
H5Q015		Q015. Do you smoke any tobacco	products, like cigarettes?
0	no		
1	yes		

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

Type		Code	
Туре		Code	
Measurement U	nit	Numeric	
H5ARM		Use right arm unless instructed oth Q023. EXAMINER: Which arm is me	
1	right		
2	left		

SHEARMCIR - MEASURED ARM CIRCUMFERENCE (CM) -W5

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

Type Code Measurement Unit Numeric

H5ARMINS	FLAG indicating arm was measured in inches and was converted to
	centimeters.
0 no	

1	yes
	·

SH5CUFFIT - FLAG: ARM CIRCUMFERENCE FIT BP CUFF -W5

Туре		Code	
Measurement U	nit	Numeric	
H5CUFFIT		FLAG indicating arm fit the AH BP (unit cuff
0	no		
1	yes		

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

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

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

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

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

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

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

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

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

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

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

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

⁴ H5Q042 - Q042 DIASTOLIC BP #3 (MMHg) -W5

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

[™] H5BPFLG - # BPs/PRs USED FOR SINGLE MEASURE -W5			
Туре		Code	
Measurement Ur	nit	Numeric	
H5BPFLG		Number of measures used to gene variables	erate the final blood pressure and pulse
1	measures 2 & 3		
2	measure 3 only		
3	measure 2 only		
4	measure 1 only		
5	no measures		

MHSSBP - SYSTOLIC BLOOD PRESSURE (MMHg) -W5	
Type Numeric (Double)	
H5SBP	Systolic blood pressure (MMHg) based on Q031, Q036, Q041

H5DBP - DIASTOLIC BLOOD PRESSURE (MMHg) -W5 Type Numeric (Double) H5DBP Diastolic blood pressure (MMHg) based on Q032, Q037, Q042		
		Numeric (Double)
		Diastolic blood pressure (MMHg) based on Q032, Q037, Q042

M5BPCLS5 - CLASS OF BLOOD PRESSURE (AHA/ACC) -W5			
Туре		Code	
Measurement U	nit	Numeric	
H5BPCLS5	Detection, Evaluation, and Manage		ding to the Guideline for the Prevention, ement of High Blood Pressure in Adults on/American College of Cardiology Task
1	normal: systolic l	BP is < 120 and diastolic BP is < 80	
2	elevated: systolic 80	BP is 120-129 and diastolic BP is <	
3	hypertension stage 1: systolic BP is 130-139 or diastolic BP is 80-89		

4	hypertension stage 2: systolic BP is 140-180 or diastolic BP is 90-120
5	hypertension crisis: systolic BP is > 180 or diastolic BP is > 120

🦠 H5BPCLS4 - CLASS OF BLOOD PRESSURE (JNC7) -W5

Туре		Code	
Measurement U	nit	Numeric	
H5BPCLS4		·	ding to guidelines from the Seventh Report n Prevention Detection, Evaluation, and (JNC7)
1	normal: systolic l	BP is < 120 and diastolic BP is < 80	
2	pre-hypertension BP is 80-89	n: systolic BP is 120-139 or diastolic	
3	hypertension stage 1: systolic BP is 140-159 or diastolic BP is 90-99		
4	hypertension stage 2: systolic BP is >= 160 or diastolic BP is >= 100		

[™] H5PR - PULSE RATE (/MIN)-W5

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

[™] H5PP - PULSE PRESSURE (MMHg) -W5

Туре	Numeric (Double)
Н5РР	Pulse pressure (MMHg) - the difference between systolic and diastolic blood
	pressures

SH5MAP - MEAN ARTERIAL PRESSURE (MMHg) -W5

Туре	Numeric (Double)
Н5МАР	Mean arterial pressure (MMHg) - which is conventionally approximated as the
	weighted sum of systolic and diastolic blood pressure measures

48 HEODAEA - ODAE2 EVER DY HIGH BLOOD PRESSURE -WE

Tuno	Codo
Туре	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)
0 no	
1 ye	

\$\frac{45}{8}\$ H5Q045B - Q045b EVER DX WITH DIABETES -W5

Туре		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)	
0	no		
1	yes		

SH5Q045C - Q045c EVER DX HEART ATTACK/SURGERY -W5

Туре	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)
0 no	
1 yes	

\$\frac{45}{5}\$ H5Q045D - Q045d EVER DX KIDNEY DISEASE/FAILURE -W5

Туре		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
0	no	
1	yes	

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

Туре	Code

Measurement Unit	Numeric
H5Q045E Q045. Has a doctor, nurse or health care provider ever told you that you ANY of the following? e. Stroke, mini-stroke, or surgery for clogged neck arteries (including endarterectomy, bypass, angioplasty or stent)	
0 no	
1 yes	

SH5Q045F - Q045f EVER DX HIGH CHOLESTROL/TRIG -W5		
Туре	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	
0 no		
1 yes		

MEDICATION USE-W5			
Туре		Code	
Measurement Unit		Numeric	
Н5АНТ		FLAG indicating respondent took an antihypertensive medication in the past 4 weeks	
0	no		
1	yes		

M5HTENJC - HYPERTENSION JOINT CLASSIFICATION -W5			
Туре		Code	
Measurement Unit		Numeric	
H5HTENJC		hypertension stage 1 or 2 based or	THER a blood pressure measure classified as a JNC7 (H5BPCLS4=3 or 4) OR took an e past 4 weeks (H5AHT=1) OR has ever been e or hypertension (H5Q045A=1)
0	no evidence of hypertension		
1	evidence of hypertension		

Logical Products

Wave V Cardiovascular Measures

Data Layouts



Wave V Cardiovascular Measures

Wave V Cardiovascular Measures

H5Q015 - Q015 SMOKE ANY TOBACCO PRODUCTS -W5			
Туре		Code	
Measurement Unit		Numeric	
H5Q015		Q015. Do you smoke any tobacco	products, like cigarettes?
0 no	no		
1 ye	1 yes		

H5ARM - Q023 WHICH ARM IS MEASURED (1=R,2=L) -W5			
Туре		Code	
Measurement Unit		Numeric	
H5ARM		Use right arm unless instructed oth Q023. EXAMINER: Which arm is me	
1	right		
2	2 left		

SH5ARMCIR - MEASURED ARM CIRCUMFERENCE (CM) -W5	
Туре	Numeric (Double)
H5ARMCIR	Q025a. EXAMINER: Enter arm circumference to nearest 0.5 cm or inch.
	[Note: All measurements in inches were converted to centimeters.]

H5ARMINS - FLAG: ARM CONVERTED INCHES TO CMs -W5			
Туре		Code	
Measurement Unit		Numeric	
H5ARMINS		FLAG indicating arm was measured centimeters.	in inches and was converted to
0	no		
1	yes		

Туре		Code	
Measurement Unit		Numeric	
H5CUFFIT		FLAG indicating arm fit the AH BP unit cuff	
0	no		
1	yes		

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

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

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

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

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

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

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

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

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

150038 - 0038 PULSE RATE #2 (/MIN) -W5

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

450041 - 0041 SYSTOLIC BP #3 (MMHg) -W5

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

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

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

[™] H5Q043 - Q043 PULSE RATE #3 (/MIN) -W5		
Туре	Numeric (Double)	
H5Q043	Q043 Pulse rate measure #3 (/MIN)	

H5BPFLG - # BPs/PRs USED FOR SINGLE MEASURE -W5			
Туре		Code	
Measurement Unit		Numeric	
H5BPFLG		Number of measures used to generate the final blood pressure and pulse variables	
1	measures 2 & 3		
2	measure 3 only		
3	measure 2 only		
4	measure 1 only		
5	no measures		

SYSTOLIC BLOOD PRESSURE (MMHg) -W5	
Туре	Numeric (Double)
H5SBP	Systolic blood pressure (MMHg) based on Q031, Q036, Q041

M5DBP - DIASTOLIC BLOOD PRESSURE (MMHg) -W5	
Туре	Numeric (Double)
H5DBP	Diastolic blood pressure (MMHg) based on Q032, Q037, Q042

M5BPCLS5 - CI	LASS OF BLOOD PF	RESSURE (AHA/ACC) -W5	
Туре		Code	
Measurement U	nit	Numeric	
H5BPCLS5		Detection, Evaluation, and Manage	ding to the Guideline for the Prevention, ement of High Blood Pressure in Adults on/American College of Cardiology Task
1	normal: systolic l	BP is < 120 and diastolic BP is < 80	
2	elevated: systolic 80	c BP is 120-129 and diastolic BP is <	
3	hypertension sta diastolic BP is 80	ge 1: systolic BP is 130-139 or -89	

4	hypertension stage 2: systolic BP is 140-180 or diastolic BP is 90-120
5	hypertension crisis: systolic BP is $>$ 180 or diastolic BP is $>$ 120

H5BPCLS4 - CLASS OF BLOOD PRESSURE (JNC7) -W5		
Туре	Code	

1770	couc
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)

1	normal: systolic BP is < 120 and diastolic BP is < 80
2	pre-hypertension: systolic BP is 120-139 or diastolic BP is 80-89
3	hypertension stage 1: systolic BP is 140-159 or diastolic BP is 90-99
4	hypertension stage 2: systolic BP is >= 160 or diastolic BP is >= 100

MS H5PR - PULSE RATE (/MIN)-W5

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

48 H5PP - PULSE PRESSURE	(MMHg) -W5
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Туре	Numeric (Double)
Н5РР	Pulse pressure (MMHg) - the difference between systolic and diastolic blood
	pressures

H5MAP - MEAN ARTERIAL PRESSURE (MMHg) -W5

Туре	Numeric (Double)
Н5МАР	Mean arterial pressure (MMHg) - which is conventionally approximated as the
	weighted sum of systolic and diastolic blood pressure measures

45 H5Q045A - Q045a EVER DX HIGH BLOOD PRESSURE -W5

Туре	Code
Measurement Unit	Numeric

	0 no		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)	
	1	yes		

Type Code

Measurement Unit

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)

0	no	
1	yes	

450045C - Q045c EVER DX HEART ATTACK/SURGERY -W5

Туре	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)
0 no	
1 yes	

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

Measurement Unit H5Q045D		Code	
		Numeric	
		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	

H5Q045E - Q045e EVER DX STROKE/CLOGGD ARTERY -W5

Туре	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)	
	0	no		
	1	yes		

H5Q045F - Q045f EVER DX HIGH CHOLESTROL/TRIG -W5				
Туре		Code		
Measurement Unit		Numeric		
0 no 1 yes		Q045. Has a doctor, nurse or health care provider ever told you that you have ANY of the following? f. High cholesterol or triglycerides		

M5AHT - FLAG: ANTIHYPERTENSIVE MEDICATION USE-W5				
Туре		Code		
Measurement Unit		Numeric		
Н5АНТ		FLAG indicating respondent took a weeks	n antihypertensive medication in the past 4	
0 no				
1 yes				

H5HTENJC - HYPERTENSION JOINT CLASSIFICATION -W5					
Туре		Code			
Measurement Unit		Numeric			
H5HTENJC		hypertension stage 1 or 2 based or	THER a blood pressure measure classified as a JNC7 (H5BPCLS4=3 or 4) OR took an e past 4 weeks (H5AHT=1) OR has ever been e or hypertension (H5Q045A=1)		
0 no evidence of h 1 evidence of hype		ypertension			
		ertension			

Physical Instances



Title	Wave V Cardiovascular Measures
File Name	bcardio5.sas7bdat
Case Quantity	5381
Variable Count	30

★ H5Q015 - Q015 SMOKE ANY TOBACCO PRODUCTS -W5

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

			Frequency	% of total	% of valid
Valid	0	no	4168	77.46%	77.46%
	1	yes	1213	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

Туре	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	4876	90.62%	90.72%
	2	left	499	9.27%	9.28%
		Total	5,375	99.89%	100%
Missing	96	refused	6	0.11%	
		Total	6	0.11%	

Valid	Invalid	Minimum	Maximum
5375	6	1	2

SH5ARMCIR - MEASURED ARM CIRCUMFERENCE (CM) -W5

Туре	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	9996	refused	6	0.11%	
	9999	invalid data	5	0.09%	

		Total				11	0.2%		
Valid	Invalid	d	Minimum	Maxin	num	Mean		StdDev	
5370	11		9.5	66		30.895	027	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	5299	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

SH5CUFFIT - FLAG: ARM CIRCUMFERENCE FIT BP CUFF -W5

Туре	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	5017	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

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

Treduction 70 Of total 70 Of valid	Frequen	cy % of total	% of valid
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Missing .		no measu	re		2	21	4.11%	
		Total			2	21	4.11%	
Valid	Invalid		Minimum	Maxin	num	Me	an	StdDev
5160	221		73	229	iiuiii		1.33585	16.303128
	H5Q032 - Q032 DIASTOLIC BP #1 (MMHg) -W5							
Туре			Numeric (Doub					
H5Q032			Q032 Diastolic	blood p	ressure me	asur	re #1 (MMHg)	
					Frequer	су	% of total	% of valid
Missing .		no measu	re			21	4.11%	
		Total			2	21	4.11%	
Valid	Invalid		Minimum	Maxin	num	Me	an	StdDev
5160	221		31	161	iiuiii		180038	11.465952
⁴ √ √ √ √ √ √ √ √ √ √ √ √								
Type Numeric (Double)			le)					
H5Q033			Q033 Pulse rate measure #1 (/MIN)					
					Frequer	ıcv	% of total	% of valid
Missing .		no measu	re			21	4.11%	
		Total			2	21	4.11%	
Valid	Invalid		Minimum	Maxin	Minimum Maximum Mean S		Ct-ID	
			iiuiii	1410	dii	StdDev		
5160	221		40	135	ilum i		034302	12.343212
^		'STOLIC	40 BP #2 (MMHg	135				
		/STOLIC		135) -W5				
[≪] H5Q036 - ('STOLIC	BP #2 (MMHg	135) -W5 le)		75.	034302	
⁴ ∜ H5Q036 - € Type		STOLIC	BP #2 (MMHg	135) -W5 le)		75.	034302	
[≪] H5Q036 - 0	Q036 SY	'STOLIC	BP #2 (MMHg Numeric (Doub Q036 Systolic b	135) -W5 le)	essure mea Frequer	75.	034302 e #2 (MMHg)	12.343212
H5Q036 - (Type H5Q036	Q036 SY		BP #2 (MMHg Numeric (Doub Q036 Systolic b	135) -W5 le)	essure mea Frequer 2	75.	034302 e #2 (MMHg) % of total	12.343212
H5Q036 - 0 Type H5Q036	Q036 SY	no measu	BP #2 (MMHg Numeric (Doub Q036 Systolic b	135) -W5 le)	essure mea Frequer 2 2	75. Isure	034302 e #2 (MMHg) % of total 4.14% 4.14%	12.343212
H5Q036 - (Type H5Q036 Missing .	Q036 SY	no measu	BP #2 (MMHg Numeric (Doub Q036 Systolic b	135) -W5 le) lood pre	essure mea Frequer 2 2	75. assure acy 23 23	034302 e #2 (MMHg) % of total 4.14% 4.14%	12.343212 % of valid
H5Q036 - 0 Type H5Q036 Missing . Valid 5158	Q036 SY Invalid 223	no measu Total	BP #2 (MMHg Numeric (Doub Q036 Systolic b re Minimum	135) -W5 le) lood pre	essure mea Frequer 2 2 num	75. assure acy 23 23	034302 e #2 (MMHg) % of total 4.14% 4.14%	12.343212 % of valid StdDev
H5Q036 - 0 Type H5Q036 Missing . Valid 5158	Q036 SY Invalid 223	no measu Total	BP #2 (MMHg Numeric (Doub Q036 Systolic b re Minimum 79	135) -W5 le) llood pres Maxin 217 g) -W5	essure mea Frequer 2 2 num	75. assure acy 23 23	034302 e #2 (MMHg) % of total 4.14% 4.14%	12.343212 % of valid StdDev

Frequency % of total

% of valid

Missing		no measu	ıre		22	23	4.14%	
<u> </u>		Total			22	23	4.14%	
Valid	Invali	d	Minimum	Maxim	num	Me	ean	StdDev
5158	223		45	134			656262	11.148768
⋘ H5Q038	- Q038 I	PULSE RA	TE #2 (/MIN) -\	W5				
Туре			Numeric (Doubl	le)				
H5Q038			Q038 Pulse rate	measur	re #2 (/MIN	۷)		
					Frequen	су	% of total	% of valid
Missing		no measu	ire			23	4.14%	
		Total			22	23	4.14%	
Valid	Invali	d	Minimum	Maxim	num	Me	ean	StdDev
5158	223		40	164			137456	12.361197
⋘ H5Q041	- Q041 S	SYSTOLIC	BP #3 (MMHg)	-W5				
Туре			Numeric (Doub	le)				
H5Q041			Q041 Systolic b	lood pre	ssure mea	sure	e #3 (MMHg)	
					Frequen	су	% of total	% of valid
Missing		no measu	ire		23	30	4.27%	
		Total			23	30	4.27%	
Valid	Invali	d	Minimum	Maxim	num	Me	ean	StdDev
5151	230		78	213	122.19394		2.19394	15.287924
⋘ H5Q042	- Q042 I	DIASTOLIC	C BP #3 (MMH _{	g) -W5				
Type Numeric (Double)			Numeric (Doubl	le)				
Туре	H5Q042 Q042 Diastolic blood							
			Q042 Diastolic l	olood pr	essure mea	asu	re #3 (MMHg)	
			Q042 Diastolic l	olood pr	essure mea		re #3 (MMHg) % of total	% of valid

Missing		no meas	no measure		23	30	4.27%	
		Total			23	80	4.27%	
Valid	Inva	id	Minimum	Maxin	num	Mean		StdDev
5151	230		11	122		79 2566	10	11 022366

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

Туре	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	5149	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

Туре	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

Туре	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	Mear	1	StdDev
5164	217	45	133	79.46	57854	10.741532

↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑						
Туре	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	2036	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	1521	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

M5BPCLS4 - CLASS OF BLOOD PRESSURE (JNC7) -W5				
Туре	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	2036	37.84%	39.43%
	2	pre-hypertension: systolic BP is 120-139 or diastolic BP is 80-89	2135	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

Туре	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

Туре	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

蜷 H5MAP - MEAN ARTERIAL PRESSURE (MMHg) -W5

Туре	Numeric (Double)
Н5МАР	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

⁴ H5Q045A - Q045a EVER DX HIGH BLOOD PRESSURE -W5

Туре	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	4390	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	5015	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

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

			Frequency	% of total	% of valid
Valid	0	no	5330	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%	

bypass, angioplasty or stent)

Valid	Invalid	Minimum	Maximum
5377	4	0	1

MS H5Q045D - Q045d EVER DX KIDNEY DISEASE/FAILURE -W5				
Туре	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			

Valid	0	no	5309	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

Туре	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	5328	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

SH5Q045F - Q045f EVER DX HIGH CHOLESTROL/TRIG -W5

Туре	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	4626	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

MEDICATION USE-W5				
Туре	Code			
Measurement Unit	Numeric			
Н5АНТ	FLAG indicating respondent took an antihypertensive medication in the past 4 weeks			

			Frequency	% of total	% of valid
Valid	0	no	4630	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

M5HTENJC - HYPERTENSION JOINT CLASSIFICATION -W5			
Туре	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	
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Valid	0	no evidence of hypertension	3759	69.86%	69.87%
	1	evidence of hypertension	1621	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