

Data Notes**Entire Original Sample/Observations in 2018 NHIS children + adults: N = 25417**

- Missing data for 9314 observations for variable MODMIN

Final Sample included in analysis: 15582?

- Excluded the missing 9314 observations from MODMIN
- Excluded non-responses (e.g., refused to answer, not ascertained (N/A), don't know)

- MEANS procedure: I was able to exclude responses that were coded as *non-response / not-ascertained / don't know*
- MODMIN is minutes of LMPA per session or each time.
- So, sample adult respondents who engage in LMPA less than 5 times per week have a mean

The MEANS Procedure

Analysis Variable : MODMIN Minutes of LMPA each time (per session)									
Times per week	N Obs	N	Mean	Std Dev	Minimum	Lower Quartile	Median	Upper Quartile	Maximum
< 5 times per week	8323	8323	47.322	46.554	10.000	20.000	30.000	60.000	720.000
5 - 7 times per week	6778	6778	49.675	60.693	10.000	20.000	30.000	60.000	720.000
> 7 times per week	893	893	37.315	42.065	10.000	15.000	30.000	40.000	360.000

The MEANS Procedure

Analysis Variable : MODMIN Minutes of LMPA each time (per session)										
Times per week	Ever been told you have hypertension	N Obs	N	Mean	Std Dev	Minimum	Lower Quartile	Median	Upper Quartile	Maximum
< 5 times per week	Yes	2733	2733	47.075	49.902	10.000	20.000	30.000	60.000	600.000
	No	5577	5577	47.477	44.871	10.000	25.000	30.000	60.000	720.000
	Refused, not ascertained, or don't know	13	13	32.692	16.408	15.000	20.000	30.000	30.000	60.000
5 - 7 times per week	Yes	2164	2164	47.311	55.250	10.000	20.000	30.000	60.000	600.000
	No	4606	4606	50.766	63.044	10.000	20.000	30.000	60.000	720.000
	Refused, not ascertained, or don't know	8	8	60.625	75.896	10.000	12.500	45.000	60.000	240.000
> 7 times per week	Yes	300	300	33.250	33.319	10.000	15.000	25.000	30.000	240.000
	No	591	591	39.462	45.798	10.000	15.000	30.000	45.000	360.000
	Refused, not ascertained, or don't know	2	2	12.500	3.536	10.000	10.000	12.500	15.000	15.000

ORIGINAL DATA

VAR = HYPEV

Question ID: ACN.010_00.000

Instrument Variable Name: **HYPEV**Final Documentation Name: **HYPEV**

Now I am going to ask you about certain medical conditions. Have you EVER been told by a doctor or other health professional that you had... Hypertension, also called high blood pressure?

Universe: ASTATFLG = '1' and (AGE GE '018' and AGE not IN ('997','999'))

Description: Sample adults aged 18+ years

Sources: None

Recodes: None

Keywords: circulatory disease; hypertension; high blood pressure

Notes: None

Ever been told you have hypertension

1	Yes
2	No
7	Refused
8	Not ascertained
9	Don't know

Ever been told you have hypertension

HYPEV	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	9217	36.26	9217	36.26
No	16153	63.55	25370	99.82
Refused, not ascertained, or don't know	47	0.18	25417	100.00

VAR = MODMIN*"About how long do you do these light or moderate activities each time?"***Note:** There are 9314 observations (36.64%) missing for some reason.

Question ID: AHB.120_02.000

R01 RECODE

Instrument Variable Name:

Final Documentation Name: MODMIN

About how long do you do these light or moderate activities each time?

Universe: ASTATFLG = '1' and (AGE GE '018' and AGE not IN ('997','999')) and MODTP IN('1','2','3','4')

Description: Sample adults aged 18+ years who participate in light/moderate activities for at least 10 min

Sources: MODLNGNO; MODLNGTP

Recodes: None

Keywords: physical activity; light activity; moderate activity; exercise

Notes: None|

Duration light/moderate activity (in minutes)

010-720 10-720 minutes

997 Refused

998 Not ascertained

999 Don't know

The FREQ Procedure

Minutes of LMPA each time (per session)				
MODMIN	Frequency	Percent	Cumulative Frequency	Cumulative Percent
< 30 minutes	4864	30.21	4864	30.21
30 minutes or more	11130	69.12	15994	99.32
Refused, not ascertained, don't know	109	0.68	16103	100.00
Frequency Missing = 9314				

The “.” in the table below = the missing observations

The FREQ Procedure

Minutes of LMPA each time (per session)				
MODMIN	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	9314	36.64	9314	36.64
< 30 minutes	4864	19.14	14178	55.78
30 minutes or more	11130	43.79	25308	99.57
Refused, not ascertained, don't know	109	0.43	25417	100.00

VAR = MODFREQW

Question ID: AHB.110_02.000 R01 RECODE Instrument Variable Name:
Final Documentation Name: MODFREQW

Universe: ASTATFLG = '1' and (AGE GE '018' and AGE not IN ('997','999'))

Description: Sample adults aged 18+ years

Sources: MODNO; MODTP

Recodes: None

Keywords: physical activity; exercise; light activity; moderate activity

Notes: None

Freq light/moderate activity (times per wk)

00	Less than once per week
01-28	1-28 times per week
95	Never
96	Unable to do light or moderate activity
97	Refused
98	Not ascertained
99	Don't know

times per week				
MODFREQW	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	511	3.19	511	3.19
1	1579	9.87	2090	13.07
2	2442	15.27	4532	28.34
3	2675	16.73	7207	45.06
4	1116	6.98	8323	52.04
5	1551	9.70	9874	61.74
6	282	1.76	10156	63.50
7	4945	30.92	15101	94.42
8	6	0.04	15107	94.45
9	2	0.01	15109	94.47
10	50	0.31	15159	94.78
12	5	0.03	15164	94.81
14	406	2.54	15570	97.35
15	8	0.05	15578	97.40
17	1	0.01	15579	97.41
20	13	0.08	15592	97.49
21	283	1.77	15875	99.26
23	1	0.01	15876	99.26
28	118	0.74	15994	100.00

Times per week

MODFREQW	Frequency	Percent	Cumulative Frequency	Cumulative Percent
< 5 times per week	8365	32.91	8365	32.91
5-7 times per week	6841	26.92	15206	59.83
More than 7 times per week	897	3.53	16103	63.36
Never or Unable to do LMPA	8780	34.54	24883	97.90
Refused, not ascertained, or don't know	534	2.10	25417	100.00

VAR = RACERPI2

2018 NATIONAL HEALTH INTERVIEW SURVEY
 Sample Adult
 samadult : Household Composition
 PUBLIC USE
 Document Version Date: 03-Sep-19

Question ID: HHC.200_01,000 R13 RECODE Instrument Variable Name:
 Final Documentation Name: [RACERPI2](#)

Recode of full detail race groups

Universe: AGE = All

Description: All persons

Sources: RACFULI2

Recodes: HRACERI2

Keywords: race; new OMB race standards

Notes: This recode contains detail for the 5 OMB race groups, and a multiple race group. This recode does not include information provided in HHC.220 for multiple race mentions (the "primary" race). "Other Race" and "Unspecified Multiple race" are no longer available as separate race responses. These response categories are treated as missing, and the race is imputed if these are the only race responses. * Data not releasable due to respondent confidentiality or for other reasons.

OMB groups w/multiple race

01	White only
02	Black/African American only
03	AIAN only
04	Asian only
05	Race group not releasable*
06	Multiple race

Race

RACERPI2	Frequency	Percent	Cumulative Frequency	Cumulative Percent
White	20173	79.37	20173	79.37
Black/African American	2974	11.70	23147	91.07
AIAN	295	1.16	23442	92.23
Asian	1350	5.31	24792	97.54
Race group not releasable	62	0.24	24854	97.78
Multiple race	563	2.22	25417	100.00

VAR = HISPAN_I

2018 NATIONAL HEALTH INTERVIEW SURVEY

Sample Adult

samadult : Household Composition

PUBLIC USE

Document Version Date: 03-Sep-19

Question ID: HHC.180_00.000

R03 RECODE

Instrument Variable Name:

Final Documentation Name: HISPAN_I

Please give me the number of the group that represents [your/ person's] Hispanic origin or ancestry.

Universe: AGE = All

Description: All persons

Sources: ORIGIN_I; HHC.180

Recodes: None

Keywords: ethnicity; national origin; ancestry

Notes: "Other-specify" responses were assigned to specific groups where possible. Respondents who selected the generic "Hispanic/Spanish" response category were assigned "00", and in cases where the respondent refused to answer Hispanic origin or didn't know it, this variable was assigned "10" and "11", respectively. When Hispanic origin was not ascertained, this variable was also assigned "11". In cases where "Other-specify" responses were determined to be non-Hispanic, this variable was assigned "12" for not Hispanic/Spanish origin, and ORIGIN_I was back coded to "2" or "No" (no group represented respondent's national origin). Respondents coded as "12" answered 2,7,8, or 9 in ORIGIN_I. Data came from HHC.170 & HHC.180.

Hispanic subgroup detail

00	Multiple Hispanic
01	Puerto Rico
02	Mexican
03	Mexican-American
04	Cuban/Cuban American
05	Dominican (Republic)
06	Central or South American
07	Other Latin American, type not specified
08	Other Spanish
09	Hispanic/Latino/Spanish, non-specific type
10	Hispanic/Latino/Spanish, type refused
11	Hispanic/Latino/Spanish, type not ascertained
12	Not Hispanic/Spanish origin

Hispanic origin

HISPAN_I	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Hispanic	3179	12.51	3179	12.51
Not Hispanic/Spanish origin	22238	87.49	25417	100.00

Final Sample & Data Included in Analysis

Means of MODMIN and MODFREQW

The MEANS Procedure

Variable	Label	N	Mean	Std Dev	Minimum	Lower Quartile	Median	Upper Quartile	Maximum
MODMIN	Minutes of LMPA each time (per session)	15582	47.682	52.655	10.000	20.000	30.000	60.000	720.000
MODFREQW	Times per week	15582	4.941	4.076	0.000	2.000	4.000	7.000	28.000

MODMIN x Race/ethnicity

The MEANS Procedure

Analysis Variable : MODMIN Duration of LMPA in minutes each time									
Race	N Obs	N	Mean	Std Dev	Minimum	Lower Quartile	Median	Upper Quartile	Maximum
White	12964	12964	48.303	53.065	10.000	20.000	30.000	60.000	720.000
Black/African American	1562	1562	44.962	53.118	10.000	20.000	30.000	60.000	720.000
AIAN	189	189	51.942	49.870	10.000	30.000	30.000	60.000	420.000
Asian	867	867	42.366	45.354	10.000	20.000	30.000	60.000	600.000

The MEANS Procedure

Analysis Variable : MODMIN Duration of LMPA in minutes each time									
Hispanic origin	N Obs	N	Mean	Std Dev	Minimum	Lower Quartile	Median	Upper Quartile	Maximum
Hispanic	1658	1658	48.462	53.175	10.000	20.000	30.000	60.000	480.000
Not Hispanic/Spanish origin	13924	13924	47.589	52.594	10.000	20.000	30.000	60.000	720.000

MODFREQW x race/ethnicity

The MEANS Procedure

Analysis Variable : MODFREQW times per week									
Race	N Obs	N	Mean	Std Dev	Minimum	Lower Quartile	Median	Upper Quartile	Maximum
White	12964	12964	4.921	4.020	0.000	2.000	4.000	7.000	28.000
Black/African American	1562	1562	5.052	4.453	0.000	2.000	4.000	7.000	28.000
AIAN	189	189	4.815	3.421	0.000	3.000	4.000	7.000	28.000
Asian	867	867	5.063	4.315	0.000	2.000	4.000	7.000	28.000

The MEANS Procedure

Analysis Variable : MODFREQW times per week									
Hispanic origin	N Obs	N	Mean	Std Dev	Minimum	Lower Quartile	Median	Upper Quartile	Maximum
Hispanic	1658	1658	4.726	3.866	0.000	2.000	4.000	7.000	28.000
Not Hispanic/Spanish origin	13924	13924	4.966	4.100	0.000	2.000	4.000	7.000	28.000

Description/proportions

The FREQ Procedure

Minutes of LMPA each time (per session)				
MODMIN	Frequency	Percent	Cumulative Frequency	Cumulative Percent
< 30 minutes	4733	30.37	4733	30.37
30 minutes or more	10849	69.63	15582	100.00

Times per week				
MODFREQW	Frequency	Percent	Cumulative Frequency	Cumulative Percent
< 5 times per week	8102	52.00	8102	52.00
5 or more times per week	7480	48.00	15582	100.00

Ever been told you have hypertension				
HYPEV	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Yes	5077	32.58	5077	32.58
No	10505	67.42	15582	100.00

Race				
RACERPI2	Frequency	Percent	Cumulative Frequency	Cumulative Percent
White	12964	83.20	12964	83.20
Black/African American	1562	10.02	14526	93.22
AIAN	189	1.21	14715	94.44
Asian	867	5.56	15582	100.00

Hispanic origin				
HISPAN_I	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Hispanic	1658	10.64	1658	10.64
Not Hispanic/Spanish origin	13924	89.36	15582	100.00

CHI-SQUARE (Of participants who HAVE hypertension)

The FREQ Procedure						
Frequency Expected Percent Row Pct Col Pct	Table 1 of MODMIN by MODFREQW					
	Controlling for HYPEV=Yes					
	MODMIN(Minutes of LMPA each time (per session))		MODFREQW(Times per week)			
			< 5 times per week			
	< 30 minutes		874	843		
		900.6		1717		
		17.21		816.4		
		50.90		16.60		
		32.82		33.82		
< 30 minutes						
		30 minutes or more				
		1789		1571		
		1762.4		1597.6		
		35.24		30.94		
		53.24		46.76		
		67.18		65.08		
Total		2663		2414		
		52.45		47.55		
				5077		
				100.00		
Statistics for Table 1 of MODMIN by MODFREQW						
Controlling for HYPEV=Yes						
Statistic						
Chi-Square						
		DF	Value	Prob		
Chi-Square		1	2.4976	0.1140		
Likelihood Ratio Chi-Square						
		1	2.4967	0.1141		
Continuity Adj. Chi-Square						
		1	2.4046	0.1210		
Mantel-Haenszel Chi-Square						
		1	2.4971	0.1141		
Phi Coefficient						
		-0.0222				
Contingency Coefficient						
		0.0222				
Cramer's V						
		-0.0222				
Fisher's Exact Test						
Cell (1,1) Frequency (F)						
		874				
Left-sided Pr <= F						
		0.0605				
Right-sided Pr >= F						
		0.9463				
Table Probability (P)						
		0.0068				
Two-sided Pr <= P						
		0.1155				
Sample Size = 5077						

CHI-SQUARE (Of participants who DO NOT HAVE hypertension)

Frequency
Expected
Percent
Row Pct
Col Pct

Table 2 of MODMIN by MODFREQW				
Controlling for HYPEV=No				
MODMIN(Minutes of LMPA each time (per session))	MODFREQW(Times per week)			Total
	< 5 times per week	5 or more times per week		
< 30 minutes	1379 1561.5 13.13 45.72 25.35	1637 1454.5 15.58 54.28 32.31	3016	28.71
30 minutes or more	4060 3877.5 38.65 54.21 74.65	3429 3611.5 32.64 45.79 67.69	7489	71.29
Total	5439 51.78	5066 48.22	10505	100.00

Statistics for Table 2 of MODMIN by MODFREQW
Controlling for HYPEV=No

Statistic	DF	Value	Prob
Chi-Square	1	62.0706	<.0001
Likelihood Ratio Chi-Square	1	62.0796	<.0001
Continuity Adj. Chi-Square	1	61.7310	<.0001
Mantel-Haenszel Chi-Square	1	62.0647	<.0001
Phi Coefficient		-0.0769	
Contingency Coefficient		0.0766	
Cramer's V		-0.0769	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	1379
Left-sided Pr <= F	<.0001
Right-sided Pr >= F	1.0000
Table Probability (P)	<.0001
Two-sided Pr <= P	<.0001

Sample Size = 10505

RACE x HYPEV

- Of those who engaged in LMPA for **LESS than 30 minutes each time AND less than 5x per week.**
- **Data are significant**

The FREQ Procedure

Frequency
Expected
Percent
Row Pct
Col Pct

Table 1 of RACERPI2 by HYPEV			
Controlling for MODMIN=< 30 minutes MODFREQW=< 5 times per week			
RACERPI2(Race)	HYPEV(Ever been told you have hypertension)		
	Yes	No	Total
White	698 708.74 30.98 38.20 79.86	1129 1118.3 50.11 61.80 81.87	1827 81.09
Black/African American	135 106.29 5.99 49.27 15.45	139 167.71 6.17 50.73 10.08	274 12.16
AIAN	12 9.6982 0.53 48.00 1.37	13 15.302 0.58 52.00 0.94	25 1.11
Asian	29 49.267 1.29 22.83 3.32	98 77.733 4.35 77.17 7.11	127 5.64
Total	874 38.79	1379 61.21	2253 100.00

Statistics for Table 1 of RACERPI2 by HYPEV Controlling for MODMIN=< 30 minutes MODFREQW=< 5 times per week

Statistic	DF	Value	Prob
Chi-Square	3	27.4475	<.0001
Likelihood Ratio Chi-Square	3	28.1703	<.0001
Mantel-Haenszel Chi-Square	1	2.4537	0.1172
Phi Coefficient		0.1104	
Contingency Coefficient		0.1097	
Cramer's V		0.1104	

Sample Size = 2253

RACE x HYPEV

- Of those who engaged in LMPA for **LESS than 30 minutes each time AND 5 or more times per week.**
- **Data are significant**

Frequency Expected Percent Row Pct Col Pct	Table 2 of RACERPI2 by HYPEV			
	Controlling for MODMIN=< 30 minutes MODFREQW=5 or more times per week			
	HYPEV(Ever been told you have hypertension)			
RACERPI2(Race)	Yes	No	Total	
White	666 682.56 26.85 33.17 79.00	1342 1325.4 54.11 66.83 81.98	2008 80.97	
Black/African American	119 97.217 4.80 41.61 14.12	167 188.78 6.73 58.39 10.20	286 11.53	
AIAN	4 7.1383 0.16 19.05 0.47	17 13.862 0.69 80.95 1.04	21 0.85	
Asian	54 56.087 2.18 32.73 6.41	111 108.91 4.48 67.27 6.78	165 6.65	
Total	843 33.99	1637 66.01	2480 100.00	

Statistics for Table 2 of RACERPI2 by HYPEV
Controlling for MODMIN=< 30 minutes MODFREQW=5 or more times per week

Statistic	DF	Value	Prob
Chi-Square	3	10.2107	0.0169
Likelihood Ratio Chi-Square	3	10.2032	0.0169
Mantel-Haenszel Chi-Square	1	0.2408	0.6236
Phi Coefficient		0.0642	
Contingency Coefficient		0.0640	
Cramer's V		0.0642	

Sample Size = 2480

Of those who engaged in LMPA for **30 minutes or more each time AND less than 5 times per week (< 5x per week)**.

- Data are significant

Frequency
Expected
Percent
Row Pct
Col Pct

Table 3 of RACERPI2 by HYPEV				
Controlling for MODMIN=30 minutes or more MODFREQW=< 5 times per week				
RACERPI2(Race)	HYPEV(Ever been told you have hypertension)			Total
	Yes	No	Total	
White	1482 1501.8 25.34 30.18 82.84	3428 3408.2 58.61 69.82 84.43	4910 83.95	
Black/African American	222 170.98 3.80 39.71 12.41	337 388.02 5.76 60.29 8.30	559 9.56	
AIAN	17 21.716 0.29 23.94 0.95	54 49.284 0.92 76.06 1.33	71 1.21	
Asian	68 94.512 1.16 22.01 3.80	241 214.49 4.12 77.99 5.94	309 5.28	
Total	1789 30.59	4060 69.41	5849 100.00	

Statistics for Table 3 of RACERPI2 by HYPEV
Controlling for MODMIN=30 minutes or more MODFREQW=< 5 times per week

Statistic	DF	Value	Prob
Chi-Square	3	34.5001	<.0001
Likelihood Ratio Chi-Square	3	34.2494	<.0001
Mantel-Haenszel Chi-Square	1	2.1386	0.1436
Phi Coefficient		0.0768	
Contingency Coefficient		0.0766	
Cramer's V		0.0768	

Sample Size = 5849

Of those who engaged in **30 minutes or more** (≥ 30 minutes) of **LMPA each time AND 5 or more times per week**.

Frequency
Expected
Percent
Row Pct
Col Pct

Table 4 of RACERPI2 by HYPEV				
Controlling for MODMIN=30 minutes or more MODFREQW=5 or more times per week				
RACERPI2(Race)	HYPEV(Ever been told you have hypertension)			
	Yes	No	Total	
White	1310 1325.6 26.20 31.05 83.39	2909 2893.4 58.18 68.95 84.84	4219 84.38	
Black/African American	167 139.19 3.34 37.70 10.63	276 303.81 5.52 62.30 8.05	443 8.86	
AIAN	26 22.622 0.52 36.11 1.65	46 49.378 0.92 63.89 1.34	72 1.44	
Asian	68 83.577 1.36 25.56 4.33	198 182.42 3.96 74.44 5.77	266 5.32	
Total	1571 31.42	3429 68.58	5000 100.00	

Statistics for Table 4 of RACERPI2 by HYPEV

Controlling for MODMIN=30 minutes or more MODFREQW=5 or more times per week

Statistic	DF	Value	Prob
Chi-Square	3	13.3385	0.0040
Likelihood Ratio Chi-Square	3	13.2286	0.0042
Mantel-Haenszel Chi-Square	1	0.2506	0.6167
Phi Coefficient		0.0516	
Contingency Coefficient		0.0516	
Cramer's V		0.0516	

Sample Size = 5000

HISPANIC ORIGIN

The FREQ Procedure

Frequency Expected Percent Row Pct Col Pct	Table of HISPAN_I by RACERPI2					
	HISPAN_I(Hispanic origin)	RACERPI2(Race)				
		White	Black/African American	AIAN	Asian	Total
		1501	78	40	39	1658
1379.4		166.2	20.111	92.253		
9.63		0.50	0.26	0.25		10.64
90.53		4.70	2.41	2.35		
11.58		4.99	21.16	4.50		
Not Hispanic/Spanish origin	11463	1484	149	828	13924	
	11585	1395.8	168.89	774.75		
	73.57	9.52	0.96	5.31		89.36
	82.33	10.66	1.07	5.95		
	88.42	95.01	78.84	95.50		
Total	12964	1562	189	867	15582	
	83.20	10.02	1.21	5.56		100.00

The FREQ Procedure

Frequency
Expected
Percent
Row Pct
Col Pct

Table 1 of HISPAN_I by RACERPI2						
Controlling for HYPEV=Yes						
HISPAN_I(Hispanic origin)	RACERPI2(Race)					
	White	Black/African American	AIAN	Asian	Total	
Hispanic	378 338.08 7.45 91.53 9.10	15 52.306 0.30 3.63 2.33	12 4.7995 0.24 2.91 20.34	8 17.815 0.16 1.94 3.65	413 8.13	
Not Hispanic/Spanish origin	3778 3817.9 74.41 81.00 90.90	628 590.69 12.37 13.46 97.67	47 54.201 0.93 1.01 79.66	211 201.18 4.16 4.52 96.35	4664 91.87	
Total	4156 81.86	643 12.66	59 1.16	219 4.31	5077 100.00	

Statistics for Table 1 of HISPAN_I by RACERPI2
Controlling for HYPEV=Yes

Statistic	DF	Value	Prob
Chi-Square	3	51.7410	<.0001
Likelihood Ratio Chi-Square	3	60.2923	<.0001
Mantel-Haenszel Chi-Square	1	14.9415	0.0001
Phi Coefficient		0.1010	
Contingency Coefficient		0.1004	
Cramer's V		0.1010	

Sample Size = 5077

Frequency
Expected
Percent
Row Pct
Col Pct

Table 2 of HISPAN_I by RACERPI2						
Controlling for HYPEV=No						
HISPAN_I(Hispanic origin)	RACERPI2(Race)					
	White	Black/African American	AIAN	Asian	Total	
Hispanic	1123 1043.9 10.69 90.20 12.75	63 108.92 0.60 5.06 6.86	28 15.407 0.27 2.25 21.54	31 76.798 0.30 2.49 4.78	1245 11.85	
Not Hispanic/Spanish origin	7685 7764.1 73.16 82.99 87.25	856 810.08 8.15 9.24 93.14	102 114.59 0.97 1.10 78.46	617 571.2 5.87 6.66 95.22	9260 88.15	
Total	8808 83.85	919 8.75	130 1.24	648 6.17	10505 100.00	

Statistics for Table 2 of HISPAN_I by RACERPI2
Controlling for HYPEV=No

Statistic	DF	Value	Prob
Chi-Square	3	71.4220	<.0001
Likelihood Ratio Chi-Square	3	80.7006	<.0001
Mantel-Haenszel Chi-Square	1	37.7304	<.0001
Phi Coefficient		0.0825	
Contingency Coefficient		0.0822	
Cramer's V		0.0825	

Sample Size = 10505

The FREQ Procedure

Frequency
Expected
Percent
Row Pct
Col Pct

Table 1 of HYPEV by HISPAN_I			
Controlling for MODMIN=< 30 minutes MODFREQW=< 5 times per week			
HYPEV(Ever been told you have hypertension)	HISPAN_I(Hispanic origin)		
	Hispanic	Not Hispanic/Spanish origin	Total
Yes	63 88.447 2.80 7.21 27.63	811 785.55 36.00 92.79 40.05	874 38.79
No	165 139.55 7.32 11.97 72.37	1214 1239.4 53.88 88.03 59.95	1379 61.21
Total	228 10.12	2025 89.88	2253 100.00

Statistics for Table 1 of HYPEV by HISPAN_I
Controlling for MODMIN=< 30 minutes MODFREQW=< 5 times per week

Statistic	DF	Value	Prob
Chi-Square	1	13.3087	0.0003
Likelihood Ratio Chi-Square	1	13.8695	0.0002
Continuity Adj. Chi-Square	1	12.7908	0.0003
Mantel-Haenszel Chi-Square	1	13.3028	0.0003
Phi Coefficient		-0.0769	
Contingency Coefficient		0.0766	
Cramer's V		-0.0769	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	63
Left-sided Pr <= F	0.0001
Right-sided Pr >= F	0.9999
Table Probability (P)	<.0001
Two-sided Pr <= P	0.0002

Sample Size = 2253

Frequency
Expected
Percent
Row Pct
Col Pct

Table 2 of HYPEV by HISPAN_I				
Controlling for MODMIN=< 30 minutes MODFREQW=5 or more times per week				
HYPEV(Ever been told you have hypertension)	HISPAN_I(Hispanic origin)			Total
	Hispanic	Not Hispanic/Spanish origin		
Yes	69 88.719 2.78 8.19 26.44		774 754.28 31.21 91.81 34.88	843 33.99
No	192 172.28 7.74 11.73 73.56		1445 1464.7 58.27 88.27 65.12	1637 66.01
Total	261 10.52		2219 89.48	2480 100.00

Statistics for Table 2 of HYPEV by HISPAN_I
Controlling for MODMIN=< 30 minutes MODFREQW=5 or more times per week

Statistic	DF	Value	Prob
Chi-Square	1	7.4208	0.0064
Likelihood Ratio Chi-Square	1	7.7025	0.0055
Continuity Adj. Chi-Square	1	7.0492	0.0079
Mantel-Haenszel Chi-Square	1	7.4178	0.0065
Phi Coefficient		-0.0547	
Contingency Coefficient		0.0546	
Cramer's V		-0.0547	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	69
Left-sided Pr <= F	0.0035
Right-sided Pr >= F	0.9977
Table Probability (P)	0.0012
Two-sided Pr <= P	0.0070

Sample Size = 2480

Frequency
Expected
Percent
Row Pct
Col Pct

Table 3 of HYPEV by HISPAN_I

Controlling for MODMIN=30 minutes or more MODFREQW=< 5 times per week

HYPEV(Ever been told you have hypertension)	HISPAN_I(Hispanic origin)		
	Hispanic	Not Hispanic/Spanish origin	Total
Yes	154 202.79 2.63 8.61 23.23	1635 1586.2 27.95 91.39 31.53	1789 30.59
No	509 460.21 8.70 12.54 76.77	3551 3599.8 60.71 87.46 68.47	4060 69.41
Total	663 11.34	5186 88.66	5849 100.00

Statistics for Table 3 of HYPEV by HISPAN_I

Controlling for MODMIN=30 minutes or more MODFREQW=< 5 times per week

Statistic	DF	Value	Prob
Chi-Square	1	19.0717	<.0001
Likelihood Ratio Chi-Square	1	19.9599	<.0001
Continuity Adj. Chi-Square	1	18.6828	<.0001
Mantel-Haenszel Chi-Square	1	19.0684	<.0001
Phi Coefficient		-0.0571	
Contingency Coefficient		0.0570	
Cramer's V		-0.0571	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	154
Left-sided Pr <= F	<.0001
Right-sided Pr >= F	1.0000
Table Probability (P)	<.0001
Two-sided Pr <= P	<.0001

Sample Size = 5849

Frequency
Expected
Percent
Row Pct
Col Pct

Table 4 of HYPEV by HISPAN_I				
Controlling for MODMIN=30 minutes or more MODFREQW=5 or more times per week				
HYPEV(Ever been told you have hypertension)	HISPAN_I(Hispanic origin)			Total
	Hispanic	Not Hispanic/Spanish origin		
Yes	127 158.99 2.54 8.08 25.10		1444 1412 28.88 91.92 32.13	1571
No	379 347.01 7.58 11.05 74.90		3050 3082 61.00 88.95 67.87	3429
Total	506 10.12		4494 89.88	5000 100.00

Statistics for Table 4 of HYPEV by HISPAN_I
Controlling for MODMIN=30 minutes or more MODFREQW=5 or more times per week

Statistic	DF	Value	Prob
Chi-Square	1	10.4395	0.0012
Likelihood Ratio Chi-Square	1	10.8297	0.0010
Continuity Adj. Chi-Square	1	10.1157	0.0015
Mantel-Haenszel Chi-Square	1	10.4374	0.0012
Phi Coefficient		-0.0457	
Contingency Coefficient		0.0456	
Cramer's V		-0.0457	

Fisher's Exact Test	
Cell (1,1) Frequency (F)	127
Left-sided Pr <= F	0.0006
Right-sided Pr >= F	0.9996
Table Probability (P)	0.0002
Two-sided Pr <= P	0.0012

Sample Size = 5000

LOGISTIC REGRESSION

The LOGISTIC Procedure

Model Information		
Data Set	WORK.OMG7THFILE_STEP3	
Response Variable	HYPEV	Ever been told you have hypertension
Number of Response Levels	2	
Model	binary logit	
Optimization Technique	Fisher's scoring	

Number of Observations Read	15582
Number of Observations Used	15582

Response Profile		
Ordered Value	HYPEV	Total Frequency
1	Yes	5077
2	No	10505

Probability modeled is HYPEV='Yes'.

Model Convergence Status		
Convergence criterion (GCONV=1E-8) satisfied.		

Model Fit Statistics			
Criterion	Intercept Only	Intercept and Covariates	
AIC	19672.163		19670.560
SC	19679.817		19693.522
-2 Log L	19670.163		19664.560

Testing Global Null Hypothesis: BETA=0			
Test	Chi-Square	DF	Pr > ChiSq
Likelihood Ratio	5.6028	2	0.0607
Score	5.4790	2	0.0646
Wald	5.4587	2	0.0653

Analysis of Maximum Likelihood Estimates					
Parameter	DF	Estimate	Standard Error	Wald Chi-Square	Pr > ChiSq
Intercept	1	0.6765	0.0316	458.3049	<.0001
MODMIN	1	0.000760	0.000338	5.0686	0.0244
MODFREQW	1	0.00298	0.00422	0.4993	0.4798

Odds Ratio Estimates			
Effect	Point Estimate	95% Wald Confidence Limits	
MODMIN	0.999	0.999	1.000
MODFREQW	0.997	0.989	1.005

Association of Predicted Probabilities and Observed Responses			
Percent Concordant	50.6	Somers' D	0.039
Percent Discordant	46.6	Gamma	0.041
Percent Tied	2.8	Tau-a	0.017
Pairs	53333885	c	0.520