

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 "09", 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	5 or more times per week	Total
< 30 minutes		874	843	1717
		900.6	816.4	33.82
		17.21	16.60	
		50.90	49.10	
		32.82	34.92	
30 minutes or more		1789	1571	3360
		1762.4	1597.6	66.18
		35.24	30.94	
		53.24	46.76	
		67.18	65.08	
Total		2663	2414	5077
		52.45	47.55	100.00

Statistics for Table 1 of MODMIN by MODFREQW Controlling for HYPEV=Yes			
Statistic	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)		
	< 5 times per week	5 or more times per week	Total
< 30 minutes	1379	1637	3016
	1561.5	1454.5	
	13.13	15.58	28.71
	45.72	54.28	
	25.35	32.31	
30 minutes or more	4060	3429	7489
	3877.5	3611.5	
	38.65	32.64	71.29
	54.21	45.79	
	74.65	67.69	
Total	5439	5066	10505
	51.78	48.22	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			
	RACERPI2(Race)	HYPEV(Ever been told you have hypertension)		
		Yes	No	Total
White		666	1342	2008
		682.56	1325.4	
		26.85	54.11	80.97
		33.17	66.83	
		79.00	81.98	
Black/African American		119	167	286
		97.217	188.78	
		4.80	6.73	11.53
		41.61	58.39	
		14.12	10.20	
AIAN		4	17	21
		7.1383	13.862	
		0.16	0.69	0.85
		19.05	80.95	
		0.47	1.04	
Asian		54	111	165
		56.087	108.91	
		2.18	4.48	6.65
		32.73	67.27	
		6.41	6.78	
Total		843	1637	2480
		33.99	66.01	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)		
		Yes	No	Total
White		1482	3428	4910
		1501.8	3408.2	
		25.34	58.61	83.95
		30.18	69.82	
		82.84	84.43	
Black/African American		222	337	559
		170.98	388.02	
		3.80	5.76	9.56
		39.71	60.29	
		12.41	8.30	
AIAN		17	54	71
		21.716	49.284	
		0.29	0.92	1.21
		23.94	76.06	
		0.95	1.33	
Asian		68	241	309
		94.512	214.49	
		1.16	4.12	5.28
		22.01	77.99	
		3.80	5.94	
Total		1789	4060	5849
		30.59	69.41	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	2909	4219
		1325.6	2893.4	
		26.20	58.18	84.38
		31.05	68.95	
		83.39	84.84	
Black/African American		167	276	443
		139.19	303.81	
		3.34	5.52	8.86
		37.70	62.30	
		10.63	8.05	
AIAN		26	46	72
		22.622	49.378	
		0.52	0.92	1.44
		36.11	63.89	
		1.65	1.34	
Asian		68	198	266
		83.577	182.42	
		1.36	3.96	5.32
		25.56	74.44	
		4.33	5.77	
Total		1571	3429	5000
		31.42	68.58	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
Hispanic	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	15	12	8	413
	338.08	52.306	4.7995	17.815	
	7.45	0.30	0.24	0.16	8.13
	91.53	3.63	2.91	1.94	
Not Hispanic/Spanish origin	9.10	2.33	20.34	3.65	
	3778	628	47	211	4664
	3817.9	590.69	54.201	201.18	
	74.41	12.37	0.93	4.16	91.87
Total	81.00	13.46	1.01	4.52	
	90.90	97.67	79.66	96.35	
	4156	643	59	219	5077
	81.86	12.66	1.16	4.31	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	63	28	31	1245
	1043.9	108.92	15.407	76.798	
	10.69	0.60	0.27	0.30	11.85
	90.20	5.06	2.25	2.49	
Not Hispanic/Spanish origin	12.75	6.86	21.54	4.78	
	7685	856	102	617	9260
	7764.1	810.08	114.59	571.2	
	73.16	8.15	0.97	5.87	88.15
Total	82.99	9.24	1.10	6.66	
	87.25	93.14	78.46	95.22	
	8808	919	130	648	10505
	83.85	8.75	1.24	6.17	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)		
	Hispanic	Not Hispanic/Spanish origin	Total
Yes	69	774	843
	88.719	754.28	
	2.78	31.21	33.99
	8.19	91.81	
	26.44	34.88	
No	192	1445	1637
	172.28	1464.7	
	7.74	58.27	66.01
	11.73	88.27	
	73.56	65.12	
Total	261	2219	2480
	10.52	89.48	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 MODFREQU=< 5 times per week			
HYPEV(Ever been told you have hypertension)	HISPAN_I(Hispanic origin)		
	Hispanic	Not Hispanic/Spanish origin	Total
Yes	154	1635	1789
	202.79	1586.2	
	2.63	27.95	30.59
	8.61	91.39	
	23.23	31.53	
No	509	3551	4060
	460.21	3599.8	
	8.70	60.71	69.41
	12.54	87.46	
	76.77	68.47	
Total	663	5186	5849
	11.34	88.66	100.00

Statistics for Table 3 of HYPEV by HISPAN_I
Controlling for MODMIN=30 minutes or more MODFREQU=< 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)		
	Hispanic	Not Hispanic/Spanish origin	Total
Yes	127	1444	1571
	158.99	1412	
	2.54	28.88	31.42
	8.08	91.92	
	25.10	32.13	
No	379	3050	3429
	347.01	3082	
	7.58	61.00	68.58
	11.05	88.95	
	74.90	67.87	
Total	506	4494	5000
	10.12	89.88	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