SUPPLEMENTAL MATERIAL

Table S1. Baseline Characteristics of the Population with or without hypertension at Visit 1, HCHS/SOL 2008-2011.

| Unweighted N=10,493 With Hypertension n=4,826 Without Hypertension n=5,667 Characteristic % (95% CI) % (95% CI) Age group, yrs, % 21.6 (19.6, 23.8) 63.5 (61.5, 65.4) 40-64 59.9 (57.7, 62.0) 34.2 (32.3, 36.1) 65-74 18.5 (16.7, 20.4) 2.3 (1.8, 3.0) Female 48.5 (46.5, 50.6) 54.6 (52.6, 56.6) Hispanic/Latino background, % 7.7 (6.4, 9.4) Central American 7.1 (5.9, 8.6) 7.7 (6.4, 9.4) Cuban 27.8 (23.9, 32.1) 15.7 (13.0, 18.8) Dominican 10.6 (9.0, 12.5) 8.6 (7.2, 10.3) Mexican 27.6 (24.5, 30.9) 44.8 (41.3, 48.5) Puerto Rican 19.5 (17.3, 22.0) 13.0 (11.3, 14.8) South American 3.7 (3.1, 4.4) 5.3 (4.3, 6.4) Mixed/Other 3.6 (2.8, 4.6) 4.9 (4.0, 6.0) 4 High school education, % 37.5 (35.1, 39.8) 29.0 (27.1, 31.0) Annual income <\$30,000, % | table 31. baseline characteristics of the | • | who participated in Visit 2 | | | | |
|--|---|-------------------|-----------------------------|--|--|--|--|
| n=4,826 | | 1 | | | | | |
| Characteristic % (95% CI) % (95% CI) Age group, yrs, % 21.6 (19.6, 23.8) 63.5 (61.5, 65.4) 40-64 59.9 (57.7, 62.0) 34.2 (32.3, 36.1) 65-74 18.5 (16.7, 20.4) 2.3 (1.8, 3.0) Female 48.5 (46.5, 50.6) 54.6 (52.6, 56.6) Hispanic/Latino background, % 7.1 (5.9, 8.6) 7.7 (6.4, 9.4) Cuban 27.8 (23.9, 32.1) 15.7 (13.0, 18.8) Dominican 10.6 (9.0, 12.5) 8.6 (7.2, 10.3) Mexican 27.6 (24.5, 30.9) 44.8 (41.3, 48.5) Puerto Rican 19.5 (17.3, 22.0) 13.0 (11.3, 14.8) South American 3.7 (3.1, 4.4) 5.3 (4.3, 6.4) Mixed/Other 3.6 (2.8, 4.6) 4.9 (4.0, 6.0) 4 High school education, % 37.5 (35.1, 39.8) 29.0 (27.1, 31.0) Annual income <\$30,000, % | | With Hypertension | Without Hypertension | | | | |
| Age group, yrs, % 18-39 21.6 (19.6, 23.8) 40-64 59.9 (57.7, 62.0) 34.2 (32.3, 36.1) 65-74 18.5 (16.7, 20.4) 2.3 (1.8, 3.0) Female 48.5 (46.5, 50.6) 54.6 (52.6, 56.6) 48.5 (46.5, 50.6) 7.7 (6.4, 9.4) Cuban 7.1 (5.9, 8.6) Cuban 27.8 (23.9, 32.1) Dominican 10.6 (9.0, 12.5) Mexican 27.6 (24.5, 30.9) 44.8 (41.3, 48.5) Puerto Rican 3.7 (3.1, 4.4) South American 3.7 (3.1, 4.4) Mixed/Other 3.6 (2.8, 4.6) 4.9 (4.0, 6.0) 4.8 (41.3, 48.5) Annual income <\$30,000, % 65.9 (63.1, 68.5) 21.6 (19.6, 23.8) 34.2 (32.3, 36.1) 34.2 (32.3, 36.1) 34.2 (32.3, 36.1) 34.2 (32.3, 36.1) 34.6 (52.6, 56.6) 7.7 (6.4, 9.4) 15.7 (13.0, 18.8) 15.7 (13.0, 18.8) 15.7 (13.0, 18.8) 27.6 (24.5, 30.9) 44.8 (41.3, 48.5) 13.0 (11.3, 14.8) 30.0 (26.8, 4.6) 4.9 (4.0, 6.0) 31.0 (28.5, 33.5) 31.0 (28.5, 33.5) 31.0 (28.5, 33.5) 31.0 (28.5, 33.5) 31.0 (39.9, 44.0) 31.0 (39.9, 44.0) 31.0 (39.9, 44.0) 31.0 (30.9, 44.0) 31.0 | | · · | n=5,667 | | | | |
| 18-39 21.6 (19.6, 23.8) 63.5 (61.5, 65.4) 40-64 59.9 (57.7, 62.0) 34.2 (32.3, 36.1) 65-74 18.5 (16.7, 20.4) 2.3 (1.8, 3.0) 6emale 48.5 (46.5, 50.6) 54.6 (52.6, 56.6) 6lispanic/Latino background, % Central American 7.1 (5.9, 8.6) 7.7 (6.4, 9.4) Cuban 27.8 (23.9, 32.1) 15.7 (13.0, 18.8) Dominican 10.6 (9.0, 12.5) 8.6 (7.2, 10.3) Mexican 27.6 (24.5, 30.9) 44.8 (41.3, 48.5) Puerto Rican 19.5 (17.3, 22.0) 13.0 (11.3, 14.8) South American 3.7 (3.1, 4.4) 5.3 (4.3, 6.4) Mixed/Other 3.6 (2.8, 4.6) 4.9 (4.0, 6.0) 6 High school education, % 37.5 (35.1, 39.8) 29.0 (27.1, 31.0) 6 Annual income <\$30,000, % 65.9 (63.1, 68.5) 59.9 (57.7, 62.2) Nativity/years in the mainland US, % 21.0 years in US 50 states/DC 24.7 (22.2, 27.5) 31.0 (28.5, 33.5) ≥ 10 years in US 50 states/DC 14.6 (12.7, 16.8) 27.1 (25.1, 29.3) Study Site Bronx, New York 30.0 (26.5, 33.6) 26.2 (23.2, 29.5) | Characteristic | % (95% CI) | % (95% CI) | | | | |
| 40-64 59.9 (57.7, 62.0) 34.2 (32.3, 36.1) 65-74 18.5 (16.7, 20.4) 2.3 (1.8, 3.0) Female 48.5 (46.5, 50.6) 54.6 (52.6, 56.6) Hispanic/Latino background, % 7.1 (5.9, 8.6) 7.7 (6.4, 9.4) Cuban 27.8 (23.9, 32.1) 15.7 (13.0, 18.8) Dominican 10.6 (9.0, 12.5) 8.6 (7.2, 10.3) Mexican 27.6 (24.5, 30.9) 44.8 (41.3, 48.5) Puerto Rican 19.5 (17.3, 22.0) 13.0 (11.3, 14.8) South American 3.7 (3.1, 4.4) 5.3 (4.3, 6.4) Mixed/Other 3.6 (2.8, 4.6) 4.9 (4.0, 6.0) 4 High school education, % 37.5 (35.1, 39.8) 29.0 (27.1, 31.0) Annual income <\$30,000, % | Age group, yrs, % | | | | | | |
| 65-74 18.5 (16.7, 20.4) 2.3 (1.8, 3.0) Female 48.5 (46.5, 50.6) 54.6 (52.6, 56.6) Hispanic/Latino background, % 7.1 (5.9, 8.6) 7.7 (6.4, 9.4) Cuban 27.8 (23.9, 32.1) 15.7 (13.0, 18.8) Dominican 10.6 (9.0, 12.5) 8.6 (7.2, 10.3) Mexican 27.6 (24.5, 30.9) 44.8 (41.3, 48.5) Puerto Rican 19.5 (17.3, 22.0) 13.0 (11.3, 14.8) South American 3.7 (3.1, 4.4) 5.3 (4.3, 6.4) Mixed/Other 3.6 (2.8, 4.6) 4.9 (4.0, 6.0) 4 High school education, % 37.5 (35.1, 39.8) 29.0 (27.1, 31.0) Annual income <\$30,000, % | 18-39 | 21.6 (19.6, 23.8) | 63.5 (61.5, 65.4) | | | | |
| Female 48.5 (46.5, 50.6) 54.6 (52.6, 56.6) Hispanic/Latino background, % 7.1 (5.9, 8.6) 7.7 (6.4, 9.4) Cuban 27.8 (23.9, 32.1) 15.7 (13.0, 18.8) Dominican 10.6 (9.0, 12.5) 8.6 (7.2, 10.3) Mexican 27.6 (24.5, 30.9) 44.8 (41.3, 48.5) Puerto Rican 19.5 (17.3, 22.0) 13.0 (11.3, 14.8) South American 3.7 (3.1, 4.4) 5.3 (4.3, 6.4) Mixed/Other 3.6 (2.8, 4.6) 4.9 (4.0, 6.0) 4 High school education, % 37.5 (35.1, 39.8) 29.0 (27.1, 31.0) Annual income <\$30,000, % | 40-64 | 59.9 (57.7, 62.0) | 34.2 (32.3, 36.1) | | | | |
| Hispanic/Latino background, % 7.1 (5.9, 8.6) 7.7 (6.4, 9.4) Cuban 27.8 (23.9, 32.1) 15.7 (13.0, 18.8) Dominican 10.6 (9.0, 12.5) 8.6 (7.2, 10.3) Mexican 27.6 (24.5, 30.9) 44.8 (41.3, 48.5) Puerto Rican 19.5 (17.3, 22.0) 13.0 (11.3, 14.8) South American 3.7 (3.1, 4.4) 5.3 (4.3, 6.4) Mixed/Other 3.6 (2.8, 4.6) 4.9 (4.0, 6.0) 4 High school education, % 37.5 (35.1, 39.8) 29.0 (27.1, 31.0) Annual income <\$30,000, % | 65-74 | 18.5 (16.7, 20.4) | 2.3 (1.8, 3.0) | | | | |
| Central American 7.1 (5.9, 8.6) 7.7 (6.4, 9.4) Cuban 27.8 (23.9, 32.1) 15.7 (13.0, 18.8) Dominican 10.6 (9.0, 12.5) 8.6 (7.2, 10.3) Mexican 27.6 (24.5, 30.9) 44.8 (41.3, 48.5) Puerto Rican 19.5 (17.3, 22.0) 13.0 (11.3, 14.8) South American 3.7 (3.1, 4.4) 5.3 (4.3, 6.4) Mixed/Other 3.6 (2.8, 4.6) 4.9 (4.0, 6.0) 4 High school education, % 37.5 (35.1, 39.8) 29.0 (27.1, 31.0) Annual income <\$30,000, % | Female | 48.5 (46.5, 50.6) | 54.6 (52.6, 56.6) | | | | |
| Cuban 27.8 (23.9, 32.1) 15.7 (13.0, 18.8) Dominican 10.6 (9.0, 12.5) 8.6 (7.2, 10.3) Mexican 27.6 (24.5, 30.9) 44.8 (41.3, 48.5) Puerto Rican 19.5 (17.3, 22.0) 13.0 (11.3, 14.8) South American 3.7 (3.1, 4.4) 5.3 (4.3, 6.4) Mixed/Other 3.6 (2.8, 4.6) 4.9 (4.0, 6.0) 4 High school education, % 37.5 (35.1, 39.8) 29.0 (27.1, 31.0) Annual income <\$30,000, % | Hispanic/Latino background, % | | | | | | |
| Dominican 10.6 (9.0, 12.5) 8.6 (7.2, 10.3) Mexican 27.6 (24.5, 30.9) 44.8 (41.3, 48.5) Puerto Rican 19.5 (17.3, 22.0) 13.0 (11.3, 14.8) South American 3.7 (3.1, 4.4) 5.3 (4.3, 6.4) Mixed/Other 3.6 (2.8, 4.6) 4.9 (4.0, 6.0) 4 High school education, % 37.5 (35.1, 39.8) 29.0 (27.1, 31.0) Annual income <\$30,000, % | Central American | 7.1 (5.9, 8.6) | 7.7 (6.4, 9.4) | | | | |
| Mexican 27.6 (24.5, 30.9) 44.8 (41.3, 48.5) Puerto Rican 19.5 (17.3, 22.0) 13.0 (11.3, 14.8) South American 3.7 (3.1, 4.4) 5.3 (4.3, 6.4) Mixed/Other 3.6 (2.8, 4.6) 4.9 (4.0, 6.0) 4 High school education, % 37.5 (35.1, 39.8) 29.0 (27.1, 31.0) Annual income <\$30,000, % | Cuban | 27.8 (23.9, 32.1) | 15.7 (13.0, 18.8) | | | | |
| Puerto Rican 19.5 (17.3, 22.0) 13.0 (11.3, 14.8) South American 3.7 (3.1, 4.4) 5.3 (4.3, 6.4) Mixed/Other 3.6 (2.8, 4.6) 4.9 (4.0, 6.0) K High school education, % 37.5 (35.1, 39.8) 29.0 (27.1, 31.0) Annual income <\$30,000, % | Dominican | 10.6 (9.0, 12.5) | 8.6 (7.2, 10.3) | | | | |
| South American 3.7 (3.1, 4.4) 5.3 (4.3, 6.4) Mixed/Other 3.6 (2.8, 4.6) 4.9 (4.0, 6.0) 4 High school education, % 37.5 (35.1, 39.8) 29.0 (27.1, 31.0) Annual income <\$30,000, % | Mexican | 27.6 (24.5, 30.9) | 44.8 (41.3, 48.5) | | | | |
| Mixed/Other 3.6 (2.8, 4.6) 4.9 (4.0, 6.0) 4 High school education, % 37.5 (35.1, 39.8) 29.0 (27.1, 31.0) Annual income <\$30,000, % 65.9 (63.1, 68.5) 59.9 (57.7, 62.2) Nativity/years in the mainland US, % 24.7 (22.2, 27.5) 31.0 (28.5, 33.5) ≥ 10 years in US 50 states/DC 24.7 (22.2, 27.5) 31.0 (28.5, 33.5) Born in US 50 states/DC 14.6 (12.7, 16.8) 27.1 (25.1, 29.3) Study Site 30.0 (26.5, 33.6) 26.2 (23.2, 29.5) | Puerto Rican | 19.5 (17.3, 22.0) | 13.0 (11.3, 14.8) | | | | |
| K High school education, % 37.5 (35.1, 39.8) 29.0 (27.1, 31.0) Annual income <\$30,000, % 65.9 (63.1, 68.5) 59.9 (57.7, 62.2) Nativity/years in the mainland US, % 24.7 (22.2, 27.5) 31.0 (28.5, 33.5) ≥ 10 years in US 50 states/DC 60.6 (58.2, 63.0) 41.9 (39.9, 44.0) Born in US 50 states/DC 14.6 (12.7, 16.8) 27.1 (25.1, 29.3) Study Site 30.0 (26.5, 33.6) 26.2 (23.2, 29.5) | South American | 3.7 (3.1, 4.4) | 5.3 (4.3, 6.4) | | | | |
| Annual income <\$30,000, % Nativity/years in the mainland US, % < 10 years in US 50 states/DC ≥ 10 years in US 50 states/DC Born in US 50 states/DC 31.0 (28.5, 33.5) 41.9 (39.9, 44.0) 31.0 (28.5, 33.5) 41.9 (39.9, 44.0) | Mixed/Other | 3.6 (2.8, 4.6) | 4.9 (4.0, 6.0) | | | | |
| Nativity/years in the mainland US, % 24.7 (22.2, 27.5) 31.0 (28.5, 33.5) ≥ 10 years in US 50 states/DC 60.6 (58.2, 63.0) 41.9 (39.9, 44.0) Born in US 50 states/DC 14.6 (12.7, 16.8) 27.1 (25.1, 29.3) Study Site 30.0 (26.5, 33.6) 26.2 (23.2, 29.5) | < High school education, % | 37.5 (35.1, 39.8) | 29.0 (27.1, 31.0) | | | | |
| < 10 years in US 50 states/DC | Annual income <\$30,000, % | 65.9 (63.1, 68.5) | 59.9 (57.7, 62.2) | | | | |
| ≥ 10 years in US 50 states/DC 60.6 (58.2, 63.0) 41.9 (39.9, 44.0) Born in US 50 states/DC 14.6 (12.7, 16.8) 27.1 (25.1, 29.3) Study Site Bronx, New York 30.0 (26.5, 33.6) 26.2 (23.2, 29.5) | Nativity/years in the mainland US, % | | | | | | |
| Born in US 50 states/DC 14.6 (12.7, 16.8) 27.1 (25.1, 29.3) Study Site Bronx, New York 30.0 (26.5, 33.6) 26.2 (23.2, 29.5) | < 10 years in US 50 states/DC | 24.7 (22.2, 27.5) | 31.0 (28.5, 33.5) | | | | |
| Study Site Bronx, New York 30.0 (26.5, 33.6) 26.2 (23.2, 29.5) | ≥ 10 years in US 50 states/DC | 60.6 (58.2, 63.0) | 41.9 (39.9, 44.0) | | | | |
| Bronx, New York 30.0 (26.5, 33.6) 26.2 (23.2, 29.5) | Born in US 50 states/DC | 14.6 (12.7, 16.8) | 27.1 (25.1, 29.3) | | | | |
| | Study Site | | | | | | |
| Chicago, Illinois 12.2 (10.4, 14.3) 18.4 (16.0, 21.0) | Bronx, New York | 30.0 (26.5, 33.6) | 26.2 (23.2, 29.5) | | | | |
| 12.2 (10.1) 11.0) | Chicago, Illinois | 12.2 (10.4, 14.3) | 18.4 (16.0, 21.0) | | | | |
| Miami, Florida 36.2 (31.4, 41.3) 25.5 (21.6, 29.7) | Miami, Florida | 36.2 (31.4, 41.3) | 25.5 (21.6, 29.7) | | | | |
| San Diego, California 21.6 (18.4, 25.2) 30.0 (26.2, 34.0) | San Diego, California | 21.6 (18.4, 25.2) | 30.0 (26.2, 34.0) | | | | |

HCHS/SOL: Hispanic Community Health Study/Study of Latinos; LE8: Life's Essential 8; SE: standard error; US: United States

The distribution of each characteristic differed based on baseline hypertension status (p<0.05 for all).

Table S2. Mean LE8 score among US Hispanics age standardized to the US age distribution, HCHS/SOL 2008-2011.

| | Overall | Men | Women |
|----------------------------|-------------|-------------|-------------|
| | Mean (SE) | Mean (SE) | Mean (SE) |
| Overall | 67.3 (0.2) | 67.5 (0.3) | 67.0 (0.3) |
| Hispanic/Latino background | | | |
| Central American | 68.2* (0.4) | 68.1* (0.7) | 68.2* (0.6) |
| Cuban† | 63.0* (0.4) | 63.9* (0.6) | 61.9* (0.5) |
| Dominican | 69.1* (0.4) | 69.3* (0.7) | 68.9* (0.5) |
| Mexican [†] | 71.4 (0.3) | 71.1 (0.4) | 71.7 (0.4) |
| Puerto Rican† | 62.0* (0.4) | 63.6* (0.5) | 60.4* (0.5) |
| South American | 69.6* (0.6) | 70.6 (0.9) | 69.1* (0.7) |
| Mixed/Other | 66.6* (0.8) | 66.4* (1.0) | 66.6* (1.4) |

SE: standard error

All estimates are age standardized to the following age distributions:

For overall estimates: age 18-39: 39.45%; age 40-64: 46.95%; age 65-74: 13.60% For estimates among men: age 18-39: 42.0%; age 40-64: 46.2%; age 65-74: 11.8% For estimates among women: age 18-39: 36.9%; age 40-64: 47.7%; age 65-74: 15.4%

[†]indicates estimate differs significantly by sex (p<0.05)

^{*}indicates estimate differs significantly compared with Mexican American background (p<0.05)

Table S3. Life's Essential 8 CV Health Metrics means according to socio-economic characteristics among US Hispanics, among participants with at least 6 of 8 metrics, n=16,245, HCHS/SOL 2008-2011.

| | | Central | | | Mexican | Puerto | South | |
|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | Overall | American | Cuban | Dominican | (ref) | Rican | American | Other/Mixed |
| | Mean (SE) |
| Characteristic | | | | | | | | |
| Overall | 68.0 (0.3) | 69.2* (0.4) | 62.1* (0.5) | 70.0* (0.5) | 72.6 (0.3) | 61.7* (0.4) | 69.9* (0.6) | 69.5* (0.8) |
| Age group | | | | | | | | |
| 18-39 (ref) | 72.5 (0.3) | 72.7 (0.5) | 68.9 (0.6) | 73.3 (0.8) | 75.3 (0.4) | 66.4 (0.7) | 75.0 (0.9) | 71.9 (1.1) |
| 40-64 | 64.3* (0.3) | 65.9* (0.6) | 58.8* (0.5) | 67.1* (0.6) | 69.6* (0.4) | 58.5* (0.5) | 66.8* (0.7) | 65.0* (1.3) |
| 65-74 | 60.6* (0.5) | 62.0* (1.6) | 58.2* (0.9) | 62.5* (1.2) | 65.7* (1.0) | 58.0* (0.9) | 61.5* (1.4) | 61.2* (3.4) |
| Sex | | | | | | | | |
| Male (ref) | 68.0 (0.3) | 69.0 (0.7) | 63.0 (0.6) | 70.3 (0.7) | 72.0 (0.4) | 63.1 (0.5) | 70.5 (0.9) | 69.6 (1.0) |
| Female | 67.9 (0.3) | 69.4 (0.5) | 61.1* (0.5) | 69.8 (0.7) | 73.1* (0.4) | 60.3* (0.5) | 69.4 (0.7) | 69.3 (1.3) |
| Education | | | | | | | | |
| < high school | 65.8* (0.3) | 67.9* (0.6) | 58.7* (1.0) | 67.6* (0.7) | 70.1* (0.4) | 59.0* (0.6) | 68.3 (1.1) | 66.2 (2.2) |
| ≥ high school (ref) | 69.0 (0.3) | 70.1 (0.5) | 63.0 (0.5) | 71.4 (0.7) | 74.0 (0.4) | 63.3 (0.5) | 70.4 (0.7) | 70.7 (0.9) |
| Annual income | | | | | | | | |
| <\$30,000 | 66.7* (0.3) | 69.0 (0.5) | 60.7* (0.6) | 68.6* (0.6) | 71.7* (0.4) | 60.4* (0.5) | 68.4* (0.7) | 69.2 (1.1) |
| ≥ \$30,000 (ref) | 70.3 (0.4) | 69.9 (0.8) | 64.5 (0.8) | 73.4 (0.7) | 73.8 (0.5) | 63.9 (0.7) | 73.1 (0.9) | 70.3 (1.4) |
| Nativity/years in US | | | | | | | | |
| < 10 years in US 50 states/DC (ref) | 69.5 (0.4) | 71.7 (0.6) | 63.6 (0.5) | 73.6 (0.8) | 74.4 (0.6) | 63.0 (1.6) | 71.9 (1.0) | 69.6 (2.6) |
| ≥ 10 years in US 50 states/DC | 66.6* (0.3) | 67.3* (0.6) | 59.6* (0.8) | 68.3* (0.6) | 71.6* (0.3) | 59.3* (0.5) | 68.1* (0.7) | 66.7 (1.6) |
| Born in US 50 states/DC | 69.1 (0.4) | 71.7 (1.7) | 66.8* (1.4) | 70.5 (1.9) | 72.9 (0.7) | 63.8 (0.6) | 72.4 (2.1) | 71.4 (1.0) |
| Study Site | | | | | | | | |
| Bronx, New York | 66.6* (0.3) | 69.4* (1.2) | 63.0 (3.1) | 70.1* (0.5) | 71.7 (0.7) | 61.3 (0.5) | 68.1* (1.1) | 71.0 (1.3) |
| Chicago, Illinois | 71.3 (0.4) | 73.3 (0.8) | 69.7 (1.4) | 73.6* (2.7) | 73.7* (0.4) | 62.8 (0.8) | 74.3 (1.3) | 70.7 (1.9) |
| Miami, Florida | 63.8* (0.4) | 67.9* (0.5) | 62.0* (0.5) | 66.0* (2.0) | 71.3 (2.5) | 60.9 (1.6) | 68.7* (1.0) | 66.5 (1.7) |
| San Diego, California (ref) | 72.1 (0.4) | 74.6 (1.6) | 68.5 (1.9) | 79.6 (1.3) | 72.2 (0.4) | 67.5 (3.6) | 73.6 (2.3) | 69.6 (1.7) |

ref: reference; SE: standard error; US: United States

^{*}indicates estimate differs from the given reference category (p<0.05).

Table S4. Life's Essential 8 CV Health Metrics means according to socio-economic characteristics among US Hispanics, HCHS/SOL 2008-2011.

| | | Physical | Nicotine | Sleep | Body Mass | Blood | Blood | Blood |
|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | Diet | Activity | Exposure | Health | Index | Glucose | Lipids | Pressure |
| | Mean (SE) |
| Characteristic | | | | | | | | |
| Education | | | | | | | | |
| < high school | 45.7* (0.9) | 71.0* (0.9) | 68.3* (0.9) | 82.8* (0.5) | 55.9* (0.7) | 74.5* (0.7) | 60.7* (0.7) | 68.9* (0.9) |
| ≥ high school (ref) | 37.9 (0.8) | 76.8 (0.7) | 72.3 (0.7) | 85.5 (0.4) | 59.1 (0.6) | 83.7 (0.4) | 63.0 (0.5) | 75.5 (0.5) |
| Annual income | | | | | | | | |
| <\$30,000 | 40.1* (0.7) | 73.8* (0.7) | 69.1* (0.7) | 84.0* (0.4) | 56.7* (0.5) | 79.3* (0.4) | 61.1* (0.5) | 71.8* (0.6) |
| ≥ \$30,000 (ref) | 42.9 (1.2) | 78.5 (0.8) | 74.5 (0.8) | 86.1 (0.6) | 59.1 (0.8) | 83.0 (0.6) | 63.5 (0.7) | 76.4 (0.6) |
| Nativity/years in US | | | | | | | | |
| < 10 years in US 50 states/DC (ref) | 36.8 (1.3) | 73.9 (1.0) | 72.3 (1.1) | 86.1 (0.5) | 64.1 (0.7) | 85.5 (0.5) | 62.0 (0.8) | 75.9 (0.8) |
| ≥ 10 years in US 50 states/DC | 48.5* (0.8) | 72.5 (0.7) | 73.1 (0.7) | 85.0 (0.4) | 55.0* (0.5) | 74.5* (0.5) | 57.5* (0.6) | 67.9* (0.7) |
| Born in US 50 states/DC | 27.2* (1.0) | 82.0* (0.9) | 86.1* (0.5) | 81.9* (0.7) | 57.0* (1.1) | 88.5* (0.6) | 73.2* (0.9) | 82.3* (0.6) |
| Study Site | | | | | | | | |
| Bronx, New York | 30.3* (0.7) | 78.9 (0.9) | 71.2* (1.1) | 81.1* (0.6) | 55.2* (0.8) | 80.2 (0.8) | 67.0* (0.8) | 71.9* (0.9) |
| Chicago, Illinois | 53.7* (1.0) | 78.5 (0.7) | 71.8 (1.0) | 85.0* (0.5) | 57.3 (0.8) | 79.7* (0.7) | 64.9 (0.7) | 80.8* (0.6) |
| Miami, Florida | 27.4* (0.6) | 67.2* (1.0) | 67.2* (1.0) | 85.5* (0.6) | 60.2 (0.7) | 80.9 (0.6) | 56.2* (0.7) | 66.9* (0.9) |
| San Diego, California (ref) | 57.4 (1.0) | 77.7 (1.1) | 74.5 (1.2) | 87.1 (0.6) | 59.0 (1.1) | 81.6 (0.7) | 62.6 (0.9) | 77.7 (0.8) |

ref: reference; SE: standard error; US: United States

^{*}indicates estimate differs from the given reference category (p<0.05).

Table S5. Life's Essential 8 CV Health Metrics among participants with at least 6 of 8 metrics, standardized to study site, n=16,245, HCHS/SOL 2008-2011.

| | | Central | | | Mexican | Puerto | South | |
|-----------------|------------|-------------|-------------|-------------|------------|-------------|-------------|-------------|
| | Overall | American | Cuban | Dominican | (ref) | Rican | American | Other/Mixed |
| | Mean (SE) | Mean (SE) | Mean (SE) | Mean (SE) | Mean (SE) | Mean (SE) | Mean (SE) | Mean (SE) |
| LE8 | 68.0 (0.2) | 71.0 (0.6) | 65.2* (1.0) | 72.0 (0.8) | 72.0 (0.8) | 63.1* (1.1) | 70.7 (0.8) | 69.3* (0.8) |
| LE8 Components | | | | | | | | |
| Diet | 40.0 (0.4) | 42.8* (2.3) | 28.2* (3.2) | 57.6* (1.7) | 51.4 (2.1) | 19.0* (1.4) | 38.2* (1.7) | 36.7* (1.8) |
| Physical Act | 75.3 (0.5) | 80.8 (1.8) | 76.6 (2.2) | 81.1 (1.7) | 81.9 (1.9) | 75.2 (2.4) | 75.8 (2.9) | 80.0 (2.1) |
| Nicotine | 70.3 (0.6) | 78.9* (2.5) | 72.4 (3.5) | 83.5* (1.9) | 68.8 (2.4) | 61.0 (4.2) | 78.6* (2.0) | 66.9 (2.9) |
| Sleep Health | 84.5 (0.3) | 85.7 (1.6) | 84.6 (1.9) | 85.1 (1.5) | 86.7 (1.9) | 82.2 (1.7) | 86.5 (1.0) | 81.1* (1.5) |
| Body Mass Index | 58.1 (0.4) | 62.8 (1.7) | 53.0* (2.5) | 61.9 (1.6) | 61.2 (1.9) | 58.7 (2.2) | 67.0* (1.3) | 56.9 (2.1) |
| Blood Glucose | 80.7 (0.3) | 80.6 (1.7) | 83.8 (2.0) | 78.8 (5.8) | 83.2 (1.4) | 76.6* (1.9) | 84.7 (1.3) | 84.6 (1.7) |
| Blood Lipids | 62.5 (0.4) | 61.2 (2.0) | 60.8 (4.3) | 55.8 (7.6) | 61.7 (2.5) | 64.5 (2.5) | 58.3 (2.2) | 68.4 (2.3) |
| Blood Pressure | 73.4 (0.4) | 75.6* (1.7) | 64.5* (3.4) | 72.5* (4.9) | 82.7 (1.4) | 70.4* (2.1) | 78.3 (1.6) | 79.6 (1.7) |

ref: reference; SE: standard error; US: United States

^{*}indicates estimate differs from the given reference category (p<0.05).

Table S6. Associations between LE7[†] score and LE7[†] CV health with incident hypertension overall and by Hispanic/Latino background, HCHS/SOL 2008-2017.

| | Overall | Central | Cuban | Dominican | Mexican | Puerto Rican | South | Mixed/Other |
|-------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| | | American | | | | | American | |
| Exposure | IDR (95% CI) |
| LE7† | 1.15* | 1.32* | 1.11* | 1.13 | 1.12* | 1.18* | 1.06 | 1.13 |
| (decrement of 10) | (1.09, 1.20) | (1.16, 1.52) | (1.02, 1.21) | (0.90, 1.42) | (1.03, 1.21) | (1.06, 1.32) | (0.90, 1.26) | (0.84, 1.54) |
| CV health | | | | | | | | |
| Low vs high | 1.96* | 2.55* | 1.89* | 1.85 | 1.57* | 2.36* | 3.49* | 3.31 |
| | (1.52, 2.52) | (1.19, 5.50) | (1.00, 3.60) | (0.59, 5.76) | (1.04, 2.36) | (1.22, 4.55) | (1.40, 8.68) | (0.70, 15.67) |
| Mid vs high | 1.50* | 1.42 | 1.62 | 1.25 | 1.30 | 1.61 | 2.07* | 5.95* |
| | (1.22, 1.83) | (0.71, 2.85) | (0.87, 3.04) | (0.69, 2.24) | (0.99, 1.71) | (0.85, 3.04) | (1.01, 4.27) | (1.59, 22.26) |

CI: confidence interval; CV: cardiovascular; HCHS/SOL: Hispanic Community Health Study/Study of Latinos; IDR: incidence density ratio; LE7: Life's Essential 7 †LE7 score was calculated as the average of seven of the eight LE8 components (diet, physical activity, nicotine, sleep health, body mass index, blood lipids, and blood glucose).

Models are adjusted for age, sex, Hispanic/Latino background (except in stratified), income, education, nativity, health insurance, marital status, field center, and baseline systolic blood pressure.

The interaction between Hispanic/Latino background group and each LE8 CV health metric p<0.10 for body mass index and diet only.

CV health was defined as low (LE7 score < 50%), moderate (LE7 score 50 - <80%), or high (LE7 score

^{*}Indicates estimates are significant (p<0.05)