



HEALTH AND RETIREMENT STUDY
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***Comparison of the 2016 HRS Core Sample
(Ages 51+) and HRS Venous Blood Study
(VBS) 2016/2018 Sample including the
LBB Cohort***

Documentation Report

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Abstract

The tables in this file present analyses of sample representativeness for the 2016 core HRS, the 2016/2018 VBS sample, including the sample of 51+ year olds based on VBS samples obtained in 2018 for the LBB cohort added in 2016. The tables contrast both weighted and unweighted estimates for common variables, using sample weights provided in each dataset. The results are stratified by race/ethnicity.

Comparison of HRS 2016 Core Sample and HRS VBS 2016/2018 Sample Including the LBB Cohort by Race/Ethnicity (Ages 51+) (weighted)

WEIGHTED ¹	HRS 2016 core sample (including LBB)			HRS 2016/2018 VBS sample (including LBB)			LBB 2016 sample only			LBB 2016/2018 VBS sample only		
	Non-Hispanic Black	Hispanic	Non-Hispanic white	Non-Hispanic Black	Hispanic	Non-Hispanic white	Non-Hispanic Black	Hispanic	Non-Hispanic white	Non-Hispanic Black	Hispanic	Non-Hispanic white
Total ² (%)	10.50% n=4,179	10.08% n=3,139	74.00% n=11,344	10.50% n=2,383	10.10% n=1,950	74.49% n=7,658	12.13% n=1,209	13.44% n=949	62.84% n=1,895	10.82% n=477	13.46% n=450	65.20% n=1,013
Self-reported hypertension	73.58% n=4,179	56.32% n=3,139	52.71% n=11,344	75.20% n=2,383	56.00% n=1,950	52.52% n=7,658	57.96% n=1,209	41.26% n=949	37.78% n=1,895	58.94% n=477	97.94% n=450	38.85% n=1,013
Self-reported diabetes	31.80% n=4,179	36.14% n=3,139	19.30% n=11,344	31.92% n=2,383	37.23% n=1,950	19.39% n=7,658	19.97% n=1,209	29.16% n=949	12.28% n=1,895	21.10% n=477	32.11% n=450	13.41% n=1,013
Heart disease	21.36% n=4,179	15.89% n=3,139	22.84% n=11,344	21.56% n=2,383	16.10% n=1,950	22.79% n=7,658	10.89% n=1,209	7.87% n=949	10.51% n=1,985	10.82% n=477	8.43% n=450	13.20% n=1,013
Stroke	9.81% n=4,179	6.31% n=3,139	6.72% n=11,344	11.44% n=2,383	6.40% n=1,950	6.33% n=7,658	5.18% n=1,209	3.70% n=949	3.09% n=1,895	4.79% n=477	3.08% n=450	3.12% n=1,013
Measured High BP ²	35.55% n=2,996	28.00% n=2,207	24.25% n=8,420	34.39% n=2,009	27.11% n=1,621	23.18% n=6,584	38.28% n=860	27.41% n=666	21.77% n=1,438	35.35% n=412	24.97% n=381	20.41% n=890
Measured High SBP ²	30.49% n=2,996	24.56% n=2,207	20.70% n=8,419	29.44% n=2,009	23.61% n=1,621	19.64% n=6,583	29.19% n=860	20.15% n=666	15.00% n=1,438	25.29% n=412	17.34% n=381	13.81% n=890
High Cholesterol ³				31.69% n=2,358	37.90% n=1,939	40.44% n=7,595				33.35% n=475	43.04% n=449	45.35% n=1,009
Mean Education (SD)	12.76 (2.73) n=4,158	10.19 (4.52) n=3,125	13.81 (2.48) n=11,300	12.63 (2.74) n=2,371	10.07 (4.56) n=1,938	13.86 (2.44) n=7,636	13.15 (2.50) n=1,209	11.29 (3.94) n=949	13.80 (2.72) n=1,891	12.96 (2.57) n=477	11.25 (4.06) n=450	13.88 (2.63) n=1,010
Mean Age (SD)	63.67 (9.82) n=4,179	63.04 (9.90) n=3,139	66.08 (10.52) n=11,344	64.27 (9.85) n=2,383	63.18 (9.81) n=1,950	66.03 (10.46) n=7,658	53.39 (1.75) n=1,209	53.32 (1.64) n=949	53.61 (1.69) n=1,895	53.45 (1.75) n=477	53.24 (1.68) n=450	53.54 (1.64) n=1,013
Female	56.89% n=4,179	53.51% n=3,139	53.24% n=11,344	54.74% n=2,383	54.81% n=1,950	53.42% n=7,658	54.46% n=1,209	50.93% n=949	51.69% n=1,895	51.69% n=477	50.46% n=450	53.93% n=1,013
Education group												
0-8 yrs	6.17%	32.72%	2.38%	6.30%	34.52%	2.27%	3.50%	20.89%	2.78%	3.42%	22.45%	2.76%
9-11 yrs	15.53%	13.40%	6.21%	17.98%	12.72%	6.14%	10.73%	13.89%	4.75%	13.35%	11.49%	4.87%
12 yrs	29.63%	23.06%	29.66%	29.64%	21.48%	28.79%	30.79%	28.15%	27.03%	30.84%	27.32%	24.53%
13-15 yrs	29.07%	18.65%	26.66%	27.88%	18.93%	27.19%	33.64%	21.61%	29.39%	34.67%	22.34%	31.08%
16+ yrs	19.60%	12.18%	35.10%	18.20%	12.72%	35.60%	21.34%	15.45%	36.05%	17.72%	16.40%	36.76%
Age group												
51-59 yrs	40.11%	44.30%	32.48%	37.79%	43.25%	33.03%	100%	100%	100%	100%	100%	100%
60-69 yrs	35.16%	31.72%	17.05%	36.49%	32.85%	33.77%						
70-79 yrs	16.54%	17.05%	20.80%	16.75%	16.99%	20.65%						
80+ yrs	8.19%	6.93%	12.64%	8.97%	6.91%	12.54%						
Foreign born	7.57% n=4,174	60.10% n=3,136	3.90% n=11,342	6.65% n=2,383	61.12% n=1,948	3.61% n=7,657	8.96% n=1,208	61.50% n=949	3.75% n=1,895	6.97% n=477	62.58% n=450	3.78% n=1,013

¹ We used the following weights: core sample (PWGTR), measured blood pressure (PMWEIGHT), VBS 2016 sample (PVBSWGTR), VBS2016/2018 sample (VBS1618WGTR). Ns are the N of the dataset. N is based on those with non-zero weight among race groups shown (others are excluded). For %race/ethnicity, others are included in calculation of %, so the total does not sum to 100%. N for individual items vary as shown.

² Measured High BP indicates either systolic blood pressure >=140 or diastolic >=90 from 2016 and 2018 physical measures (combined sample across waves). Measured High SBP indicates systolic blood pressure >=140, also using 2016 and 2018 combined physical measures.

³ High total cholesterol indicates total cholesterol >=240.

Comparison of HRS 2016 Core Sample and HRS VBS 2016/2018 Sample Including the LBB Cohort by Race/Ethnicity (Ages 51+) (unweighted)

UNWEIGHTED ¹	HRS 2016 whole sample (Including LBB)			HRS 2016/2018 VBS sample			LBB 2016 sample			LBB 2016/2018 VBS sample		
	Non-Hispanic Black	Hispanic	Non-Hispanic white	Non-Hispanic Black	Hispanic	Non-Hispanic white	Non-Hispanic Black	Hispanic	Non-Hispanic white	Non-Hispanic Black	Hispanic	Non-Hispanic white
Total (%)	21.30% n=4,179	16.00% n=3,139	57.81% n=11,344	19.04% n=2,383	15.58% n=1,950	61.18% n=7,658	26.88% n=1,209	21.10% n=949	42.13% n=1,895	22.42% n=477	21.15% n=450	47.60% n=1,013
Self-reported hypertension	74.18% n=4,179	58.30% n=3,139	57.25% n=11,344	76.88% n=2,383	60.21% n=1,950	57.72% n=7,658	61.04% n=1,209	42.26% n=949	39.63% n=1,895	61.84% n=477	40.00% n=450	40.67% n=1,013
Self-reported diabetes	32.45% n=4,179	36.00% n=3,139	21.49% n=11,344	34.83% n=2,383	38.05% n=1,950	22.23% n=7,658	22.91% n=1,209	28.66% n=949	15.20% n=1,895	26.00% n=477	30.89% n=450	15.60% n=1,013
Heart disease	20.72% n=4,179	15.86% n=3,139	26.72% n=11,344	22.95% n=2,383	17.13% n=1,950	27.62% n=7,658	11.66% n=1,209	7.48% n=949	11.82% n=1,895	14.26% n=477	8.44% n=450	13.23% n=1,013
Stroke	9.64% n=4,179	6.53% n=3,139	8.72% n=11,344	11.16% n=2,383	6.62% n=1,950	8.23% n=7,658	5.13% n=1,209	3.58% n=949	4.43% n=1,895	6.08% n=477	3.56% n=450	4.34% n=1,013
Measured High BP ²	35.81% n=2,996	25.96% n=2,207	24.74% n=8,420	34.94% n=2,009	25.60% n=1,621	24.10% n=6,584	36.74% n=860	24.62% n=666	22.32% n=1,438	34.47% n=412	21.78% n=381	20.56% n=890
Measured High SBP ²	30.24% n=2,996	22.34% n=2,207	21.59% n=8,419	30.11% n=2,009	22.27% n=1,621	21.13% n=6,583	26.86% n=860	17.42% n=666	15.37% n=1,438	24.03% n=412	15.22% n=381	13.26% n=890
High Cholesterol ³				33.12% n=2,358	36.77% n=1,939	37.85% n=7,595				35.16% n=475	41.20% n=449	44.00% n=1,009
Mean Education (SD)	12.68 (2.71) n=4,158	10.03 (4.50) n=3,125	13.54 (2.53) n=11,300	12.61 (2.67) n=2,371	9.99 (4.52) n=1,938	13.60 (2.49) n=7,636	13.09 (2.60) n=1,209	11.18 (4.00) n=949	13.65 (2.79) n=1,891	12.97 (2.47) n=477	11.27 (4.04) n=450	13.78 (2.76) n=1,010
Mean Age (SD)	63.68 (9.86) n=4,179	63.29 (9.88) n=3,139	69.05 (11.32) n=11,344	64.61 (9.30) n=2,383	63.78 (9.20) n=1,950	69.30 (10.77) n=7,658	53.60 (1.72) n=1,209	53.46 (1.66) n=949	53.62 (1.70) n=1,895	53.74 (1.72) n=477	53.53 (1.72) n=450	53.69 (1.69) n=1,013
Female	60.85% n=4,179	56.20% n=3,139	57.02% n=11,344	61.18% n=2,383	57.59% n=1,950	56.97% n=7,658	58.31% n=1,209	55.53% n=949	55.41% n=1,895	60.38% n=477	58.67% n=450	58.93% n=1,013
Education group												
0-8 yrs	6.06%	34.11%	3.12%	6.37%	34.14%	2.85%	3.23%	22.02%	3.54%	3.77%	22.22%	3.66%
9-11 yrs	16.23%	13.76%	8.02%	17.21%	13.57%	7.90%	13.07%	13.91%	6.61%	13.84%	12.44%	6.24%
12 yrs	30.83%	22.34%	32.22%	31.42%	21.36%	31.61%	29.78%	28.03%	27.50%	31.87%	28.67%	25.15%
13-15 yrs	28.74%	18.78%	25.76%	27.84%	18.37%	26.11%	32.59%	20.86%	27.60%	31.87%	19.56%	28.02%
16+ yrs	18.13%	11.01%	30.88%	17.17%	11.56%	31.52%	21.34%	15.17%	34.74%	18.66%	17.11%	36.93%
Age group												
51-59 yrs	41.90%	42.50%	25.74%	35.17%	36.92%	23.05%	100%	100%	100%	100%	100%	100%
60-69 yrs	33.55%	34.95%	27.34%	39.11%	40.62%	29.11%						
70-79 yrs	15.36%	14.75%	26.18%	16.58%	15.64%	27.98%						
80+ yrs	9.19%	7.81%	20.74%	9.15%	6.82%	19.86%						
Foreign born	6.92% n=4,174	62.79% n=3,136	4.27% n=11,342	5.67% n=2,383	63.76% n=1,948	3.83% n=7,657	7.53% n=1,208	62.91% n=949	4.33% n=1,895	6.71% n=477	64.89% n=450	4.15% n=1,013

¹ Ns are the N of the dataset. N is based on those with non-zero weight among race groups shown (others are excluded). For %race/ethnicity, others are included in calculation of %, so the total does not sum to 100%. N for individual items vary as shown.

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