

Supplementary Material

Reliability and Validity of Self-Reported Vascular Risk Factors: Hypertension, Diabetes, and Heart Disease, in a Multi-Ethnic Community Based Study of Aging and Dementia

Supplementary Table 1. Frequencies of individuals with self-reported and measured hypertension, diabetes, and heart disease.

Hypertension		Measured			Frequency of Yes		p	Direction
		Yes	No	Total	SR	M		
Self-reported	Yes	1394 (96%; 89%)	65 (4%; 22%)	1459 (100%; 78%)	78%	84%	<0.001	SR < M
	No	179 (44%; 11%)	232 (56%; 78%)	411 (100%; 22%)				
	Total	1573 (84%; 100%)	297 (16%; 100%)	1870 (100%; 100%)				
Diabetes (definition 1)		Measured			Frequency of Yes		p	Direction
		Yes	No	Total	SR	M		
Self-reported	Yes	355 (77%; 88%)	107 (23%; 7%)	462 (100%; 25%)	25%	22%	0.030	SR > M
	No	50 (4%; 12%)	1358 (96%; 93%)	1408 (100%; 75%)				
	Total	405 (22%; 100%)	1465 (78%; 100%)	1870 (100%; 100%)				
Diabetes (definition 2)		Measured			Frequency of Yes		p	Direction
		Yes	No	Total	SR	M		
Self-reported	Yes	355 (77%; 92%)	107 (23%; 7%)	462 (100%; 25%)	25%	21%	0.003	SR > M
	No	31 (2%; 8%)	1377 (98%; 93%)	1408 (100%; 75%)				
	Total	386 (21%; 100%)	1484 (79%; 100%)	1870 (100%; 100%)				
Heart disease		Measured			Frequency of Yes		p	Direction
		Yes	No	Total	SR	M		
Self-reported	Yes	297 (44%; 86%)	373 (56%; 19%)	670 (100%; 36%)	36%	19%	<0.001	SR > M
	No	49 (4%; 14%)	1151 (96%; 81%)	1200 (100%; 64%)				
	Total	346 (19%; 100%)	1524 (81%; 100%)	1870 (100%; 100%)				

Definition 1, hemoglobin A1C level $\geq 6.5\%$ at last visit or the use of any medications to manage diabetes at initial or follow-up visits; definition 2, hemoglobin A1C level $\geq 7\%$ at last visit or diabetes medication use at initial or follow-up visits; SR, self-report; M, measured; p, p-value of testing a difference between proportions of having self-reported and measured hypertension, diabetes, or heart disease; (%; %), row percentage; column percentage.

Supplementary Table 2. Distribution of the proportion of positive self-reported hypertension, diabetes, and heart disease among individuals in longitudinal WHICAP cohort, before and after excluding the first consecutive negative self-reports of participants when they later consistently had positive self-reports.

	Before exclusion						After exclusion					
	Hypertension		Diabetes		Heart Disease		Hypertension		Diabetes		Heart Disease	
Mean	n	%	n	%	n	%	n	%	n	%	n	%
0.00	232	17.75	962	73.66	779	59.60	232	18.71	962	75.81	779	63.75
0.14	1	0.08	1	0.08	1	0.08	0	0.00	0	0.00	1	0.08
0.17	3	0.23	6	0.46	3	0.23	1	0.08	1	0.08	0	0.00
0.20	7	0.54	5	0.38	11	0.84	1	0.08	2	0.16	1	0.08
0.22	0	0.00	0	0.00	1	0.08	0	0.00	0	0.00	1	0.08
0.25	1	0.08	5	0.38	16	1.22	0	0.00	3	0.24	4	0.33
0.29	3	0.23	1	0.08	8	0.61	1	0.08	0	0.00	5	0.41
0.30	1	0.08	0	0.00	0	0.00	1	0.08	0	0.00	0	0.00
0.33	28	2.14	18	1.38	33	2.52	4	0.32	9	0.71	7	0.57
0.40	7	0.54	4	0.31	15	1.15	3	0.24	1	0.08	14	1.15
0.43	2	0.15	4	0.31	2	0.15	1	0.08	2	0.16	2	0.16
0.50	53	4.06	25	1.91	70	5.36	12	0.97	1	0.08	15	1.23
0.57	6	0.46	0	0.00	3	0.23	2	0.16	0	0.00	2	0.16
0.60	5	0.38	5	0.38	9	0.69	3	0.24	4	0.32	6	0.49
0.62	1	0.08	0	0.00	0	0.00	1	0.08	0	0.00	0	0.00
0.67	63	4.82	26	1.99	84	6.43	20	1.61	7	0.55	51	4.17
0.70	1	0.08	0	0.00	0	0.00	1	0.08	0	0.00	0	0.00
0.71	2	0.15	1	0.08	3	0.23	2	0.16	1	0.08	2	0.16
0.75	25	1.91	5	0.38	18	1.38	9	0.73	1	0.08	10	0.82
0.78	1	0.08	0	0.00	0	0.00	1	0.08	0	0.00	0	0.00
0.80	13	0.99	4	0.31	6	0.46	10	0.81	1	0.08	5	0.41
0.83	10	0.77	3	0.23	1	0.08	8	0.65	2	0.16	1	0.08
0.86	6	0.46	2	0.15	3	0.23	2	0.16	1	0.08	2	0.16
0.88	1	0.08	0	0.00	0	0.00	1	0.08	0	0.00	0	0.00
0.89	1	0.08	0	0.00	0	0.00	1	0.08	0	0.00	0	0.00
0.90	1	0.08	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
1.00	833	63.73	229	17.53	241	18.44	923	74.44	271	21.36	314	25.70
Total	1,307	100	1,306	100	1,307	100	1,240	100	1,269	100	1,222	100

Mean, number of positive self-reported risk factor over the number of visits within an individual; n, number of individuals; %, percentage of individuals.