

Tables Associated with Comment on Rehman et al.

These tables are associated with a comment on Rehman SU, Hutchison FN, Hendrix K, et al. Ethnic differences in blood pressure control among men at Veterans Affairs clinic and other health care sites. *Arch Intern Med* 2005;165:1041-104.

Tables A and B provide all the data underlying Figures 7 and 10 of the [PowerPoint presentation](#) of the 2008 International Conference on Health Policy Statistics. These figures showed the way that standard measures of differences between outcome rates tend to be affected by the overall prevalence of an outcome within an overall population and within a truncated. The overall population is that of black and white men ages 45 to 64 from NHANES 1999-2000 and 2001-2002; the truncated universe is limited to the portion of that population with systolic blood pressure (SPB)¹ above 139. Figure 7 showed the effects of lowering blood pressure within the total population on measures of differences between black and rates of being hypertensive or being normal. Figure 10 showed, for persons deemed hypertensive, the effects of improved blood pressure control on measures of differences black and white rates of having their hypertension controlled or not controlled. Counterparts to these figures are Figures 6 and 8, which similarly illustrate the differences between patterns of rate differences in an overall population and a truncated population, though in the case of Figures 6 and 8 with respect to perfectly normal distributions.

Table C is based on information derived from Figures 1 and 2 of Rehman et al.. These figures show black and white rates of control in VA and non-VA clinics at control levels of below 140 SBP and below 150 SBP. It provides illustrations similar to that In Figure C.

Table A: Data Underlying ICHPS 2008 Figure 7 (measures of differences between of falling above or below various SBP levels, black and white men, 45-64, NHANES 199-2000, 2001-2002)								
Point	(1) BI Rate Ab/Wh Rate Ab	(2) Wh Rate Bel/BI Rate Bel	(3) BI Odds Bel/Wh Odds Bel	(4) Absolute Diff betw Rates	WhBelow	BIBelow	WhAbove	BIAbove
110	1.08	2.23	2.41	7.01	12.42%	5.42%	87.58%	94.58%
120	1.24	1.8	2.23	15.42	35.75%	20.33%	64.25%	79.67%
130	1.55	1.59	2.46	22.12	59.78%	37.66%	40.22%	62.34%
140	1.85	1.29	2.37	17.61	79.28%	61.66%	20.72%	38.34%
150	2.69	1.18	3.18	14.25	91.57%	77.31%	8.43%	22.69%
160	4.09	1.12	4.59	10.56	96.58%	86.02%	3.42%	13.98%
170	4.15	1.06	4.4	5.63	98.21%	92.58%	1.79%	7.42%
180	4.83	1.03	4.99	3.12	99.19%	96.07%	0.81%	3.93%
190	8.06	1.02	8.25	2.29	99.67%	97.38%	0.33%	2.62%

¹ A determination of hypertension of course involves diastolic blood pressure as well. The oversimplification does not, however, detract from the illustrative value of the data.

Table B: Data Underlying ICHPS 2008 Figure 10
(measures of differences between of falling above or below various SBP levels, black and white men, 45-64, NHANES 199-2000, 2001-2002, limited to SBP >139)

Point	(1) BI Rate Ab/Wh Rate Ab	(2) Wh Rate Bel/BI Rate Bel	(3) BI Odds Bel/Wh Odds Bel	(4) Absolute Diff betw Rates	WhBelow (control)	WhAbove	BIBelow (control)	BIAbove
144	1.08	1.3	1.41	6.11	23.65%	76.35%	17.5%	82.46%
146	1.22	1.4	1.7	12.29	44.15%	55.85%	31.9%	68.14%
148	1.36	1.49	2.02	17.12	52.45%	47.55%	35.3%	64.66%
150	1.45	1.45	2.11	18.47	58.96%	41.04%	40.5%	59.50%
152	1.69	1.54	2.6	23.22	66.34%	33.66%	43.1%	56.88%
154	1.65	1.38	2.26	19.18	70.50%	29.50%	51.3%	48.68%
156	1.75	1.3	2.26	17.47	76.70%	23.30%	59.2%	40.77%
158	1.9	1.3	2.47	18.32	79.64%	20.36%	61.3%	38.68%
160	2.22	1.31	2.91	19.96	83.64%	16.36%	63.7%	36.32%
162	2.4	1.27	3.05	18.54	86.76%	13.24%	68.2%	31.78%
164	2.31	1.25	2.89	17.40	86.72%	13.28%	69.3%	30.68%
166	1.97	1.14	2.24	10.65	89.02%	10.98%	78.4%	21.64%
168	2.3	1.16	2.66	12.22	90.60%	9.40%	78.4%	21.61%
170	2.25	1.13	2.55	10.72	91.42%	8.58%	80.7%	19.30%
172	2.12	1.12	2.36	9.59	91.44%	8.56%	81.9%	18.15%
174	2.42	1.12	2.72	10.01	92.95%	7.05%	82.9%	17.07%
176	3.78	1.13	4.26	10.87	96.09%	3.91%	85.2%	14.78%
178	3.49	1.11	3.88	9.73	96.09%	3.91%	86.4%	13.64%
180	2.62	1.07	2.8	6.32	96.10%	3.90%	89.8%	10.22%
182	2.91	1.07	3.1	5.97	96.88%	3.12%	90.9%	9.09%
184	2.91	1.07	3.1	5.97	96.88%	3.12%	90.9%	9.09%
186	3.39	1.06	3.6	5.61	97.65%	2.35%	92.0%	7.96%
188	4.36	1.06	4.61	5.26	98.44%	1.56%	93.2%	6.82%
190	4.36	1.06	4.61	5.26	98.44%	1.56%	93.2%	6.82%

Table C: Black and White Rates of Falling Above or Below Two SBP Levels, With Measures of Difference, From Rehman et al., Figures 1 and 2

VA	Level	BIBel	BIAbove	WhBel	WhAbove	W/B FavRatio	B/W AdvRatio	AD (perc pnts)	B/W Adv Odds Ratio
N	140	44.00%	56.00%	54.20%	45.80%	1.23	1.22	10.2	1.51
N	150	65.50%	34.50%	77.00%	23.00%	1.18	1.50	11.5	1.76
Y	140	49.40%	50.60%	55.60%	44.40%	1.13	1.14	6.2	1.28
Y	150	69.00%	31.00%	76.00%	24.00%	1.10	1.29	7.0	1.42