

Table A to Comment on Berrington de Gonzalez

Table A accompanying Scanlan JP. One cannot determine whether high BMI increases mortality more in different age groups based on relative differences in mortality. Journal Review Dec. 29, 2010 (responding to . Berrington de Gonzalez, Hartge P, Cerchan JR, et al. Body-mass index and mortality among 1.46 million white adults. *N Engl J Med* 2010;363:2211-19): <http://journalreview.org/v2/articles/view/21121834.html>

The following are the meanings of the columns in Table A below:

BMI	Body mass index category
Age	Age group
BaseMR	Mortality rate of the baseline group (BMI 22.4-24.9)
SubMR	Mortality rate of the subject group
MortRatio	Ratio of the subject group's mortality rate to the baseline group's mortality rate
SurvRatio	Ratio of the baseline group's survival rate to the subject group's survival rate
AbsDf	Percentage point difference between the mortality rates of the baseline group and the subject group
OddsRatio	Ratio of the subject group's odds of mortality to the baseline group's odds or mortality
EES	Estimated effect size derived from the two mortality rates (see Solutions sub-page of Measuring Health Disparities page of jpscanlan.com)

Table begins on next page:

**Table A – Various Measures of Effects of Increased Body Mass Index by Age
(based on Table 1 of Berrington de Gonzalez et al.)**

BMI	Age	BaseMR	SubMR	MortRatio	SurvRatio	AbsDf	OR	EES
25.0-27.4	20-49	0.16%	0.21%	1.31	1.00050	0.05	1.31	0.09
25.0-27.4	50-59	0.39%	0.43%	1.10	1.00040	0.04	1.10	0.05
25.0-27.4	60-69	0.82%	0.84%	1.02	1.00020	0.02	1.02	0.01
25.0-27.4	70-84	1.64%	1.71%	1.04	1.00071	0.07	1.04	0.02
27.5-29.9	20-49	0.16%	0.23%	1.44	1.00070	0.07	1.44	0.11
27.5-29.9	50-59	0.39%	0.48%	1.23	1.00090	0.09	1.23	0.08
27.5-29.9	60-69	0.82%	0.94%	1.15	1.00121	0.12	1.15	0.05
27.5-29.9	70-84	1.64%	1.89%	1.15	1.00255	0.25	1.16	0.06
30.0-34.9	20-49	0.16%	0.29%	1.81	1.00130	0.13	1.81	0.19
30.0-34.9	50-59	0.39%	0.61%	1.56	1.00221	0.22	1.57	0.16
30.0-34.9	60-69	0.82%	1.10%	1.34	1.00283	0.28	1.35	0.11
30.0-34.9	70-84	1.64%	2.03%	1.24	1.00398	0.39	1.24	0.09
35.0-39.9	20-49	0.16%	0.40%	2.50	1.00241	0.24	2.51	0.30
35.0-39.9	50-59	0.39%	0.80%	2.05	1.00413	0.41	2.06	0.26
35.0-39.9	60-69	0.82%	1.45%	1.77	1.00639	0.63	1.78	0.22
35.0-39.9	70-84	1.64%	2.61%	1.59	1.00996	0.97	1.61	0.20
40.0-49.9	20-49	0.16%	0.59%	3.69	1.00433	0.43	3.70	0.43
40.0-49.9	50-59	0.39%	1.08%	2.77	1.00698	0.69	2.79	0.37
40.0-49.9	60-69	0.82%	1.86%	2.27	1.01060	1.04	2.29	0.32
40.0-49.9	70-84	1.64%	3.13%	1.91	1.01538	1.49	1.94	0.28