Study	QA	Odds Ratio	OR	95%-CI	Weight

BMI (SD) on prostate cancer

Gao et al. 2016	Medium		1.01	[0.84; 1.21]	51.8%
Gharahkhani et al. 2019	Medium		1.21	[0.94; 1.56]	48.2%
Random effects model			1.08	[0.91; 1.28]	100.0%

Heterogeneity: $I^2 = 22\%$, $\tau^2 = 0.0036$, $p = 0.26$

WHR (SD) on coronary artery disease

Censin et al. 2019	Medium		1.74	[1.62; 1.87]	51.4%
Lv et al. 2018	Medium		1.48	[1.25; 1.75]	48.6%
Random effects model			1.63	[1.40; 1.91]	100.0%

Heterogeneity: $I^2 = 68\%$, $\tau^2 = 0.0089$, $p = 0.08$

WHRadjBMI (SD) on coronary artery disease

Censin et al. 2019	Medium		1.39	[1.32; 1.47]	51.2%
Dale et al. 2017	Medium		1.48	[1.28; 1.71]	48.8%
Random effects model			1.40	[1.33; 1.47]	100.0%

Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.43$

BMI (SD) on hypertension

Fall et al. 2013	Medium		1.13	[1.07; 1.19]	50.5%
Lyall et al. 2016	Medium		1.65	[1.49; 1.83]	49.5%
Random effects model			1.36	[0.94; 1.98]	100.0%

Heterogeneity: $I^2 = 98\%$, $\tau^2 = 0.0706$, $p < 0.01$

BMI (SD) on venous thromboembolism

Klarin et al. 2017	Low		1.57	[1.16; 2.12]	47.4%
Lindstrom et al. 2017	Medium		1.58	[1.28; 1.95]	52.6%
Random effects model			1.58	[1.33; 1.87]	100.0%

Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.97$

BMI (SD) on depression

Tyrrell et al. 2018	Medium		1.11	[1.02; 1.20]	33.8%
Censin et al. 2019	Medium		3.18	[2.98; 3.40]	34.0%
Shu et al. 2018	Low		1.92	[1.64; 2.25]	32.2%
Random effects model			1.89	[1.04; 3.44]	100.0%

Heterogeneity: $I^2 = 99\%$, $\tau^2 = 0.2757$, $p < 0.01$

BMI (SD) on type 2 diabetes

Censin et al. 2019	Medium		2.10	[1.96; 2.25]	52.2%
Shu et al. 2018	Low		1.87	[1.53; 2.29]	47.8%
Random effects model			2.06	[1.90; 2.24]	100.0%

Heterogeneity: $I^2 = 12\%$, $\tau^2 = 0.0008$, $p = 0.29$

WHRadjBMI (SD) on type 2 diabetes

Brower et al. 2018	Medium		4.89	[1.46; 16.35]	34.4%
Palmer et al. 2011	Medium		1.45	[0.67; 3.12]	65.6%
Random effects model			2.43	[0.75; 7.87]	100.0%

Heterogeneity: $I^2 = 64\%$, $\tau^2 = 0.4730$, $p = 0.10$

BMI (SD) on polycystic ovary syndrome

Skaaby et al. 2018	Medium		1.06	[1.03; 1.10]	54.5%
Larsson et al. 2018	Medium		2.24	[1.70; 2.95]	45.5%
Random effects model			1.52	[0.73; 3.16]	100.0%

Heterogeneity: $I^2 = 96\%$, $\tau^2 = 0.2699$, $p < 0.01$

BMI (SD) on asthma

Speed et al. 2019	Medium		1.19	[1.12; 1.26]	49.9%
van den Broek et al. 2018	Medium		1.05	[1.01; 1.09]	50.1%
Random effects model			1.11	[0.99; 1.25]	100.0%

Heterogeneity: $I^2 = 91\%$, $\tau^2 = 0.0065$, $p < 0.01$

BMI (SD) on arthritis

Day et al. 2018	Medium		2.05	[1.78; 2.37]	48.7%
Richardson et al. 2019	Medium		1.01	[1.00; 1.01]	51.3%
Random effects model			1.43	[0.71; 2.88]	100.0%

Heterogeneity: $I^2 = 99\%$, $\tau^2 = 0.2530$, $p < 0.01$

0.1 0.5 1 2 10