Study	QA	Odds Ratio	OR	95%–CI	Weight

label_ID = BMI (SD) on prostate cancer

Gao et al. 2016	Medium		1.01	[0.84; 1.21]	51.6%
Gharahkhani et al. 2019	Medium		1.21	[0.94; 1.56]	48.4%
Random effects model			1.08	[0.91; 1.28]	100.0%

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

label_ID = WHR (SD) on coronary artery disease

Censin et al. 2019	Medium		1.74	[1.62; 1.87]	51.2%
Lv et al. 2018	Medium		1.48	[1.25; 1.75]	48.8%
Random effects model			1.63	[1.40; 1.91]	100.0%

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

label_ID = BMI (SD) on hypertension

Fall et al. 2013	Medium		1.13	[1.07; 1.19]	50.4%
Lyall et al. 2016	Medium		1.65	[1.49; 1.83]	49.6%
Random effects model			1.36	[0.94; 1.98]	100.0%

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

label_ID = BMI (SD) on venous thromboembolism

Klarin et al. 2017	Low		1.57	[1.16; 2.12]	47.7%
Lindstrom et al. 2017	Medium		1.58	[1.28; 1.95]	52.3%
Random effects model			1.58	[1.33; 1.87]	100.0%

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

label_ID = BMI (SD) on depression

Tyrrell et al. 2018	Medium		1.11	[1.02; 1.20]	33.1%
Speed et al. 2019	Medium		1.19	[1.12; 1.26]	33.4%
van den Broek et al. 2018	Medium		1.05	[1.01; 1.09]	33.5%
Random effects model			1.11	[1.04; 1.19]	100.0%

Heterogeneity: $I^2 = 82\%$, $\tau^2 = 0.0029$, $p < 0.01$

label_ID = BMI (SD) on type 2 diabetes

Censin et al. 2019	Medium		3.18	[2.98; 3.40]	51.2%
Shu et al. 2018	Low		1.92	[1.64; 2.25]	48.8%
Random effects model			2.48	[1.52; 4.07]	100.0%

Heterogeneity: $I^2 = 97\%$, $\tau^2 = 0.1235$, $p < 0.01$

label_ID = BMI (SD) on polycystic ovary syndrome

Brower et al. 2018	Medium		4.89	[1.46; 16.35]	19.2%
Day et al. 2018	Medium		2.05	[1.78; 2.37]	80.8%
Random effects model			2.55	[1.22; 5.34]	100.0%

Heterogeneity: $I^2 = 49\%$, $\tau^2 = 0.1838$, $p = 0.16$

label_ID = BMI (SD) on asthma

Palmer et al. 2011	Medium		1.45	[0.67; 3.12]	29.8%
Skaaby et al. 2018	Medium		1.06	[1.03; 1.10]	70.2%
Random effects model			1.06	[1.03; 1.10]	100.0%

Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.42$

label_ID = BMI (SD) on arthritis

Larsson et al. 2018	Medium		2.24	[1.70; 2.95]	45.9%
Richardson et al. 2019	Medium		1.01	[1.00; 1.01]	54.1%
Random effects model			1.48	[0.68; 3.25]	100.0%

Heterogeneity: $I^2 = 97\%$, $\tau^2 = 0.3112$, $p < 0.01$

0.1 0.5 1 2 10