Study	QA	Odds Ratio	OR	95%-CI Weight
BMI (SD) on Alzheimers Nordestgaard et al. 2017 Østergaard et al. 2015 Random effects model Heterogeneity: $I^2 = 0\%$ , $\tau^2 = 0\%$	Low Medium	+	1.02 0.99 <b>1.0</b> 1	[0.81; 1.21] 49.3%
BMI (SD) on hemorrhage Dale et al. 2017 Fall et al. 2013 Random effects model Heterogeneity: $I^2 = 16\%$ , $\tau^2$	High Medium	28	1.51 0.96 1.08	[0.66; 1.39] 65.3%
BMI (SD) on ischemic s Censin et al. 2019 Larsson et al. 2017 Random effects model Heterogeneity: $I^2 = 80\%$ , $\tau^2$	Medium Medium	<b>□ ○ ○ ○</b>	1.38 1.11 1.24	[0.98; 1.26] 50.2%
Birthweight (SD) on ER Gao et al. 2016 Kar et al. 2018 Random effects model Heterogeneity: $I^2 = 0\%$ , $\tau^2 = 0\%$	Medium Medium	r	1.01 0.92 <b>0.94</b>	[0.74; 1.14] 58.0%
Birthweight (SD) on bree Gao et al. 2016 Kar et al. 2018 Random effects model Heterogeneity: $I^2 = 79\%$ , $\tau^2$	Medium Medium	D3	1.22 0.86 1.01	[0.93; 1.60] 46.6% [0.73; 1.01] 53.4% [0.72; 1.42] 100.0%
Birthweight (SD) on col Gao et al. 2016 Jarvis et al. 2016 Random effects model Heterogeneity: $I^2 = 75\%$ , $\tau^2$	Medium Medium	04	0.69 1.22 <b>0.94</b>	[0.89; 1.67] 56.2%
BMI (SD) on colorectal Gao et al. 2016 Gharahkhani et al. 2019 Jarvis et al. 2016 Random effects model Heterogeneity: $l^2 = 52\%$ , $\tau^2$	Medium Medium Medium	    	1.39 1.06 1.23 1.18	[0.94; 1.19] 36.1% [1.02; 1.49] 33.7%
WHR (SD) on colorecta Gao et al. 2016 Jarvis et al. 2016 Random effects model Heterogeneity: $I^2 = 0\%$ , $\tau^2 = 0\%$	Medium Medium	—————————————————————————————————————	1.29 1.59 1.48	[1.08; 2.34] 57.0%
BMI (SD) on endometria Gharahkhani et al. 2019 Painter et al. 2016 Yarmolinsky et al. 2019 Random effects model Heterogeneity: $I^2 = 92\%$ , $\tau^2$	Medium Medium Medium			[1.95; 2.29] 38.2% [1.07; 2.05] 28.6%
BMI (SD) on lung cancer Censin et al. 2019 Gao et al. 2016 Random effects model Heterogeneity: $I^2 = 0\%$ , $\tau^2 = 1$	Medium Medium	<b>→ → ♦</b>	1.33 1.27 1.30	[1.14; 1.55] 50.1% [1.09; 1.48] 49.9% [1.17; 1.45] 100.0%
BMI (SD) on ovarian can Gao et al. 2016 Gharahkhani et al. 2019 Random effects model Heterogeneity: $I^2 = 0\%$ , $\tau^2 = 0\%$	Medium Medium	<del></del>	1.41	[1.05; 1.73] 47.9% [1.18; 1.69] 52.1% [1.20; 1.61] 100.0%
BMI (SD) on prostate car Gao et al. 2016 Gharahkhani et al. 2019 Random effects model Heterogeneity: $I^2 = 22\%$ , $\tau^2$	Medium Medium	26	1.01 1.21 1.08	[0.94; 1.56] 47.8%
WHR (SD) on cor(SD) of Censin et al. 2019 Lv et al. 2018 Random effects model Heterogeneity: $I^2 = 68\%$ , $\tau^2$	Medium Medium	± <b>±</b> ♦		[1.62; 1.87] 51.8% [1.25; 1.75] 48.2% [1.40; 1.91] 100.0%
WHRadjBMI (SD) on co Censin et al. 2019 Dale et al. 2017 Random effects model Heterogeneity: $I^2 = 0\%$ , $\tau^2 = 0\%$	Medium Medium	ery disease + + •	1.39 1.48 1.40	. , .
BMI (SD) on hypertensi Fall et al. 2013 Lyall et al. 2016 Random effects model Heterogeneity: $I^2 = 98\%$ , $\tau^2$	Medium Medium	)1	1.13 1.65 1.36	[1.49; 1.83] 49.4%
BMI (SD) on venous thr Klarin et al. 2017 Lindstrom et al. 2017 Random effects model Heterogeneity: $I^2 = 0\%$ , $\tau^2 = 0\%$	Low Medium	•	1.57 1.58 1.58	
BMI (SD) on depressi(S Tyrrell et al. 2018 Speed et al. 2019 van den Broek et al. 2018 Random effects model Heterogeneity: $I^2 = 82\%$ , $\tau^2$	Medium Medium 3 Medium	+ + •	1.11 1.19 1.05 1.11	[1.12; 1.26] 33.4% [1.01; 1.09] 33.6%
BMI (SD) on type 2 diab Censin et al. 2019 Shu et al. 2018 Random effects model Heterogeneity: $I^2 = 97\%$ , $\tau^2$	Medium Low	D1	1.92	[2.98; 3.40] 51.7% [1.64; 2.25] 48.3% [1.52; 4.07] 100.0%
WHRadjBMI (SD) on type Censin et al. 2019 Shu et al. 2018 Random effects model Heterogeneity: $I^2 = 12\%$ , $\tau^2$	Medium Low	± •		[1.96; 2.25] 52.8% [1.53; 2.29] 47.2% [1.90; 2.24] 100.0%
BMI (SD) on PCOS Brower et al. 2018 Day et al. 2018 Random effects model Heterogeneity: $I^2 = 49\%$ , $\tau^2$		16	2.05	[1.46; 16.35] 15.3% [1.78; 2.37] 84.7% [1.22; 5.34] 100.0%
BMI (SD) on asthma Palmer et al. 2011 Skaaby et al. 2018 Random effects model Heterogeneity: $I^2 = 0\%$ , $\tau^2 = 0\%$	Medium Medium = 0, p = 0.42	÷ •	1.45 1.06 1.06	[0.67; 3.12] 25.2% [1.03; 1.10] 74.8% [1.03; 1.10] 100.0%
BMI (SD) on arthritis Larsson et al. 2018 Richardson et al. 2019 Random effects model Heterogeneity: $I^2 = 97\%$ , $\tau^2$	Medium Medium $^{2} = 0.3112, p < 0.000$	0.5 1 2 10	2.24 1.01 1.48	[1.70; 2.95] 44.3% [1.00; 1.01] 55.7% [0.68; 3.25] 100.0%
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