
Study QA Odds Ratio OR 95%−CI Weight
BMI (SD) on Alzheimer's disease
Nordestgaard et al. 2017 Low 1.02 [0.86; 1.21] 50.7%
Østergaard et al. 2015 Medium 0.99 [0.81; 1.21] 49.3%
Random effects model 1.01 [0.88; 1.15] 100.0%
Heterogeneity: I^2 = 0%, τ^2 = 0, p = 0.82
BMI (SD) on hemorrhagic stroke
Dale et al. 2017 High 1.51 [0.73; 3.13] 34.7%
Fall et al. 2013 Medium 0.96 [0.66; 1.39] 65.3%
Random effects model 1.08 [0.73; 1.59] 100.0%
Heterogeneity: I^2 = 16%, τ^2 = 0.0165, p = 0.28
BMI (SD) on ischemic stroke
Censin et al. 2019 Medium 1.38 [1.20; 1.59] 49.8%
Larsson et al. 2017 Medium 1.11 [0.98; 1.26] 50.2%
Random effects model 1.24 [1.00; 1.53] 100.0%
Heterogeneity: I^2 = 80%, τ^2 = 0.0189, p = 0.03
Birthweight (SD) on ER− breast cancer
Gao et al. 2016 Medium 1.01 [0.66; 1.54] 42.0%
Kar et al. 2018 Medium 0.92 [0.74; 1.14] 58.0%
Random effects model 0.94 [0.77; 1.14] 100.0%
Heterogeneity: I^2 = 0%, τ^2 = 0, p = 0.70
Birthweight (SD) on breast cancer
Gao et al. 2016 Medium 1.22 [0.93; 1.60] 46.6%
Kar et al. 2018 Medium 0.86 [0.73; 1.01] 53.4%
Random effects model 1.01 [0.72; 1.42] 100.0%
Heterogeneity: I^2 = 79%, τ^2 = 0.0481, p = 0.03
Birthweight (SD) on colon cancer
Gao et al. 2016 Medium 0.69 [0.44; 1.09] 43.8%
Jarvis et al. 2016 Medium 1.22 [0.89; 1.67] 56.2%
Random effects model 0.94 [0.54; 1.64] 100.0%
Heterogeneity: I^2 = 75%, τ^2 = 0.1222, p = 0.04
BMI (SD) on colorectal cancer
Gao et al. 2016 Medium 1.39 [1.06; 1.82] 30.3%
Gharahkhani et al. 2019 Medium 1.06 [0.94; 1.19] 36.1%
Jarvis et al. 2016 Medium 1.23 [1.02; 1.49] 33.7%
Random effects model 1.18 [1.01; 1.37] 100.0%
Heterogeneity: I^2 = 52%, τ^2 = 0.0087, p = 0.13
WHR (SD) on colorectal cancer
Gao et al. 2016 Medium 1.29 [0.75; 2.22] 43.0%
Jarvis et al. 2016 Medium 1.59 [1.08; 2.34] 57.0%
Random effects model 1.48 [1.08; 2.03] 100.0%
Heterogeneity: I^2 = 0%, τ^2 = 0, p = 0.54
BMI (SD) on endometrial cancer
Gharahkhani et al. 2019 Medium 1.17 [0.93; 1.47] 33.2%
Painter et al. 2016 Medium 2.11 [1.95; 2.29] 38.2%
Yarmolinsky et al. 2019 Medium 1.48 [1.07; 2.05] 28.6%
Random effects model 1.57 [1.11; 2.22] 100.0%
Heterogeneity: I^2 = 92%, τ^2 = 0.0811, p < 0.01
BMI (SD) on lung cancer
Censin et al. 2019 Medium 1.33 [1.14; 1.55] 50.1%
Gao et al. 2016 Medium 1.27 [1.09; 1.48] 49.9%
Random effects model 1.30 [1.17; 1.45] 100.0%
Heterogeneity: I^2 = 0%, τ^2 = 0, p = 0.68
BMI (SD) on ovarian cancer
Gao et al. 2016 Medium 1.35 [1.05; 1.73] 47.9%
Gharahkhani et al. 2019 Medium 1.41 [1.18; 1.69] 52.1%
Random effects model 1.39 [1.20; 1.61] 100.0%
Heterogeneity: I^2 = 0%, τ^2 = 0, p = 0.78
BMI (SD) on prostate cancer
Gao et al. 2016 Medium 1.01 [0.84; 1.21] 52.2%
Gharahkhani et al. 2019 Medium 1.21 [0.94; 1.56] 47.8%
Random effects model 1.08 [0.91; 1.28] 100.0%
Heterogeneity: I^2 = 22%, τ^2 = 0.0036, p = 0.26
WHR (SD) on coronary artery disease
Censin et al. 2019 Medium 1.74 [1.62; 1.87] 51.8%
Lv et al. 2018 Medium 1.48 [1.25; 1.75] 48.2%
Random effects model 1.63 [1.40; 1.91] 100.0%
Heterogeneity: I^2 = 68%, τ^2 = 0.0089, p = 0.08
WHRadjBMI (SD) on coronary artery disease
Censin et al. 2019 Medium 1.39 [1.32; 1.47] 51.5%
Dale et al. 2017 Medium 1.48 [1.28; 1.71] 48.5%
Random effects model 1.40 [1.33; 1.47] 100.0%
Heterogeneity: I^2 = 0%, τ^2 = 0, p = 0.43
BMI (SD) on hypertension
Fall et al. 2013 Medium 1.13 [1.07; 1.19] 50.6%
Lyall et al. 2016 Medium 1.65 [1.49; 1.83] 49.4%
Random effects model 1.36 [0.94; 1.98] 100.0%
Heterogeneity: I^2 = 98%, τ^2 = 0.0706, p < 0.01
BMI (SD) on venous thromboembolism
Klarin et al. 2017 Low 1.57 [1.16; 2.12] 46.8%
Lindstrom et al. 2017 Medium 1.58 [1.28; 1.95] 53.2%
Random effects model 1.58 [1.33; 1.87] 100.0%
Heterogeneity: I^2 = 0%, τ^2 = 0, p = 0.97
BMI (SD) on depression
Tyrrell et al. 2018 Medium 1.11 [1.02; 1.20] 33.9%
Censin et al. 2019 Medium 3.18 [2.98; 3.40] 34.1%
Shu et al. 2018 Low 1.92 [1.64; 2.25] 32.0%
Random effects model 1.89 [1.04; 3.44] 100.0%
Heterogeneity: I^2 = 99%, τ^2 = 0.2757, p < 0.01
BMI (SD) on type 2 diabetes
Censin et al. 2019 Medium 2.10 [1.96; 2.25] 52.8%
Shu et al. 2018 Low 1.87 [1.53; 2.29] 47.2%
Random effects model 2.06 [1.90; 2.24] 100.0%
Heterogeneity: I^2 = 12%, τ^2 = 0.0008, p = 0.29
WHRadjBMI (SD) on type 2 diabetes
Brower et al. 2018 Medium 4.89 [1.46; 16.35] 33.5%
Palmer et al. 2011 Medium 1.45 [0.67; 3.12] 66.5%
Random effects model 2.43 [0.75; 7.87] 100.0%
Heterogeneity: I^2 = 64%, τ^2 = 0.4730, p = 0.10
BMI (SD) on polycystic ovary syndrome
Skaaby et al. 2018 Medium 1.06 [1.03; 1.10] 55.6%
Larsson et al. 2018 Medium 2.24 [1.70; 2.95] 44.4%
Random effects model 1.52 [0.73; 3.16] 100.0%
Heterogeneity: I^2 = 96%, τ^2 = 0.2699, p < 0.01
BMI (SD) on asthma
Speed et al. 2019 Medium 1.19 [1.12; 1.26] 49.8%
van den Broek et al. 2018 Medium 1.05 [1.01; 1.09] 50.2%
Random effects model 1.11 [0.99; 1.25] 100.0%
Heterogeneity: I^2 = 91%, τ^2 = 0.0065, p < 0.01
BMI (SD) on arthritis
Day et al. 2018 Medium 2.05 [1.78; 2.37] 48.4%
Richardson et al. 2019 Medium 1.01 [1.00; 1.01] 51.6%
Random effects model 1.43 [0.71; 2.88] 100.0%
Heterogeneity: I^2 = 99%, τ^2 = 0.2530, p < 0.01
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