Bifidobacterium (Genus) abundance (SD) on Alzheimer's disease

Record ID	Outcome study	Instrument	Odds Ratio	OR	95%-CI Weight
Ning et al., 2022 Ning et al., 2022 Hughes et al., 2020		p<1e-05 p<5e-08 p<2.5e-08		1.054 [1.	992; 1.031] 56.2% 017; 1.091] 42.0% 891; 1.542] 1.8%
	Random effects mode Heterogeneity: $I^2 = 61\%$,			1.032 [0.9	993; 1.071] 100.0%

Bifidobacterium (Genus) abundance (SD) on Alzheimer's disease

Record ID	Outcome study	Odds Ratio	OR	95%-CI Weight
Ning et al., 2022 Hughes et al., 2020				[1.017; 1.091] 98.4% [0.891; 1.542] 1.6%
	Random effects model Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $\rho = 0.4$	5 1 1.5	1.056	[1.020; 1.093] 100.0%

Butyricicoccus (Genus) abundance (SD) on Alzheimer's disease

Record ID	Outcome study	Instrument	Odd	s Ratio	OR	95%-Cl Weight
Ning et al., 2022 Hughes et al., 2020		p<1e-05 p<2.5e-08		-		[0.964; 1.007] 63.6% [0.629; 0.991] 36.4%
	Random effects model Heterogeneity: $I^2 = 72\%$, τ^2	• •	6 0.75	1 1.5	0.909	[0.738; 1.119] 100.0%

Butyricicoccus (Genus) abundance (SD) on Parkinson's disease

Record ID	Outcome study	Instrument		Odds Ratio		OR	95%-Cl Weight
Ning et al., 2022 Hughes et al., 2020	Nalls 2019 Simón–Sánchez 2009	p<1e-05 p<2.5e-08 -		-			[0.739; 1.232] 83.6% [0.400; 1.269] 16.4%
	Random effects mode Heterogeneity: $I^2 = 0\%$, τ^2		0.5	1	0.	909	[0.720; 1.149] 100.0%

Parabacteroides (Genus) abundance (SD) on Alzheimer's disease

Record ID	Outcome study	Instrument	Odds Ratio	OR	95%-CI Weight
Ning et al., 2022 Hughes et al., 2020		p<1e-05 p<2.5e-08			[0.968; 1.047] 98.2% [0.868; 1.550] 1.8%
	Random effects model Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.34$		0.75 1 1.5	1.009	[0.970; 1.049] 100.0%