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

Record ID	Outcome study	Instrument	Odds	s Ratio	OR	95%-CI	Weight
Jing Ning et al., 2022	Lambert 2013	p<1e-05		-		[0.992; 1.031]	56.2%
Jing Ning et al., 2022	Lambert 2013	p<5e-08			1.054	[1.017; 1.091]	42.0%
David A. Hughes et al., 2020	Jansen 2019	p<2.5e-08		+	— 1.172	[0.891; 1.542]	1.8%
	Random effects model			$\stackrel{\cdot}{\diamondsuit}$	1.032	[0.993; 1.071]	100.0%
	Heterogeneity: $I^2 = 61\%$, τ^2	$^2 = 0.0006, p = 0.08$					
		0.	75	1	1.5		

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

Record ID	Outcome study	Odds Ratio	OR	95%-CI Weight
Jing Ning et al., 2022 David A. Hughes et al., 2020	Lambert 2013 Jansen 2019	-		[1.017; 1.091] 98.4% [0.891; 1.542] 1.6%
	Random effects model Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.4$	45	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%-CI	Weight
Jing Ning et al., 2022 David A. Hughes et al., 2020	Lambert 2013 Jansen 2019	p<1e-05 p<2.5e-08	•	+		[0.964; 1.007] [0.629; 0.991]	63.6% 36.4%
	Random effects model Heterogeneity: $I^2 = 72\%$, τ^2		.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%-CI	Weight
Jing Ning et al., 2022 David A. Hughes et al., 2020	Nalls 2019 Simón–Sánchez 2009	p<1e-05 p<2.5e-08 -		-		[0.739; 1.232] [0.400; 1.269]	
Random effects model Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.37$		0.5	1	0.909	[0.720; 1.149]	100.0%	

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

Record ID	Outcome study	Instrument	C	Odds Ratio	OR	95%-CI	Weight
Jing Ning et al., 2022 David A. Hughes et al., 2020	Lambert 2013 Jansen 2019	p<1e-05 p<2.5e-08	-	+		[0.968; 1.047] [0.868; 1.550]	
	Random effects model Heterogeneity: $I^2 = 0\%$, τ^2		0.75	1	1.009	[0.970; 1.049]	100.0%