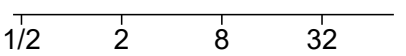
Supplementary Figure 1 ADRD unadjusted forest plot

Study	ApoE e4+ ADRD	ApoE e4+ Normal	ApoE e4- ADRD	ApoE e4- Normal	Odds ratio with 95% CI	Weight (%)
Caribbean Hispanic						
Tosto 2015	958	522	1,492	1,531	1.88 [1.66, 2.14]	9.33
Heterogeneity: $\tau^2 = 0.00$, $I^2 = .\%$, $H^2 = .$					1.88 [1.66, 2.14]	
Test of $\theta_i = \theta_j$: Q(0) = 0.00, p = .						
Test of $\theta = 0$: z = 9.67, p = 0.00						
Central American						
Villarreal 2016	16	16	12	61	5.08 [2.01, 12.87]	5.04
Heterogeneity: $\tau^2 = 0.00$, $I^2 = .\%$, $H^2 = .$					5.08 [2.01, 12.87]	
Test of $\theta_i = \theta_j$: Q(0) = 0.00, p = .						
Test of $\theta = 0$: z = 3.43, p = 0.00						
Cuban						
Teruel 2011	87	329	186	1,918	2.73 [2.06, 3.61]	8.78
Sevush 2000	34	3	47	18	4.34 [1.18, 15.92]	3.48
Cristiá-Lara 2017	23	2	35	31	10.19 [2.22, 46.74]	2.81
Heterogeneity: $\tau^2 = 0.17$, $I^2 = 38.87\%$, $H^2 = 1.64$					3.69 [1.86, 7.33]	
Test of $\theta_i = \theta_j$: Q(2) = 3.17, p = 0.21						
Test of $\theta = 0$: z = 3.72, p = 0.00						
Mexican						
Villalpando-Berumen 2008	12	31	37	110	1.15 [0.54, 2.47]	5.94
O'Bryant 2013	13	64	22	273	2.52 [1.21, 5.27]	6.10
Campos 2013	10	7	18	21	1.67 [0.53, 5.28]	4.02
Alavez-Rubio 2020	33	2	163	202	20.45 [4.83, 86.49]	3.04
Heterogeneity: $\tau^2 = 1.06$, $I^2 = 81.70\%$, $H^2 = 5.46$					2.85 [0.92, 8.83]	
Test of $\theta_i = \theta_j$: Q(3) = 12.30, p = 0.01						
Test of $\theta = 0$: z = 1.81, p = 0.07						
South American						
Moreno 2017	124	80	145	271	2.90 [2.05, 4.09]	8.45
Molero 2001	39	338	82	1,326	1.87 [1.25, 2.78]	8.15
Forero 2006	56	14	50	83	6.64 [3.35, 13.14]	6.42
Jacquier 2001	32	5	51	39	4.89 [1.75, 13.72]	4.55
Arboleda 2001	20	9	15	52	7.70 [2.91, 20.41]	4.82
Allegri 2018	20	7	23	11	1.37 [0.45, 4.19]	4.15
Marca-Ysabel 2021	33	18	46	110	4.38 [2.24, 8.56]	6.51
Heterogeneity: $\tau^2 = 0.22$, $I^2 = 69.44\%$, $H^2 = 3.27$					3.51 [2.26, 5.45]	
Test of $\theta_i = \theta_j$: Q(6) = 18.26, p = 0.01						
Test of $\theta = 0$: z = 5.58, p = 0.00						
Spanish						
Martí 2002	170	62	141	284	5.52 [3.88, 7.87]	8.41
Heterogeneity: $\tau^2 = 0.00$, $I^2 = .\%$, $H^2 = .$					5.52 [3.88, 7.87]	
Test of $\theta_i = \theta_j$: Q(0) = 0.00, p = .						
Test of $\theta = 0$: z = 9.46, p = 0.00						
Overall					3.35 [2.47, 4.54]	
Heterogeneity: $\tau^2 = 0.25$, $I^2 = 81.81\%$, $H^2 = 5.50$						
Test of $\theta_i = \theta_j$: Q(16) = 77.64, p = 0.00						
Test of $\theta = 0$: z = 7.77, p = 0.00						
Test of group differences: $Q_b(5) = 41.07$, p = 0.00						



Random-effects REML model