

S9 Table. Changes in deaths for all-cause pneumonia mortality (rate ratio) from synthetic control (SC) and interrupted time series (ITS) analysis, in the post-vaccine period (2012-2016), South Africa

	ITS	SC
1-11 months	0.66 (0.59, 0.74)	0.67 (0.57 to 0.74)
1-4 years	0.29 (0.26, 0.33)	0.77 (0.71 to 0.83)
5-7 years	0.31 (0.28, 0.36)	0.75 (0.68 to 0.81)
8-18 years	0.22 (0.18, 0.26)	0.77 (0.68 to 0.89)
19-39 years	0.47 (0.42, 0.51)	0.98 (0.86 to 1.21)
40-64 years	0.23 (0.20, 0.27)	1.03 (0.85 to 1.36)
65-79 years	0.39 (0.35, 0.44)	1.07 (0.96 to 1.17)
≥80 years	1.00 (0.90, 1.10)	1.08 (0.96 to 1.15)

Rate ratio (RR), 95% credible interval (CrI) in brackets, significant predictions in bold