

**INSTITUTE FOR** Evidence-Based Healthcare

## Impact of COVID-19 vaccination on long COVID: a systematic review

 Data from 16 observational studies suggest COVID-19 vaccination may protect against long COVID.

- They also suggest vaccination is more likely to help than harm those with long COVID.
- However, the magnitude of the beneficial effect is uncertain due to lack of good quality studies and data.

			Odds Ratio	Odds Ratio
Study or Subgroup	log[Odds Ratio]	SE	IV, Random, 95% Cl	IV, Random, 95% Cl
1.1.1 One dose BEFORE		02	10,114114011,007001	
loannou 2022	-	0.0413	1.03 [0.95, 1.12]	+
Antonelli 2022	0.0296		1.03 [0.85, 1.25]	
Taquet 2021	-0.0408			4
Azzolini 2022	-0.1508			
Simon 2021		0.0486		+
1.1.2 Two doses BEFOF	RE infection			
van der Maaden 2022	0.0198	0.093	1.02 [0.85, 1.22]	_ <b>_</b>
Taquet 2021	0	0.0262	1.00 [0.95, 1.05]	+
loannou 2022	-0.2485	0.07	0.78 [0.68, 0.89]	+
Mohr 2022	-0.3567		0.70 [0.58, 0.84]	- <b>+</b> -
Ayoubkhani 2022 (a)	-0.5276		0.59 [0.50, 0.70]	+
Tannous 2022	-0.5447		0.58 [0.52, 0.65]	+
Antonelli 2022	-0.6733			<b></b>
Azzolini 2022	-1.3863			
1.1.3 Three doses BEFC	ORE infection			
Azzolini 2022	-1.8326	0.8541	0.16 [0.03, 0.85]	
1.1.4 Any dose BEFORE	infection			
Taquet 2021	0.01	0.0259	1.01 [0.96, 1.06]	+
Al-Aly 2022	-0.1393	0.024	0.87 [0.83, 0.91]	+
Pell 2022	-0.2744	0.1122	0.76 [0.61, 0.95]	-+-
Tannous 2022	-0.5447	0.0557	0.58 [0.52, 0.65]	+
Zisis 2022	-0.734	0.0561	0.48 [0.43, 0.54]	+
1.1.5 One dose AFTER i	nfection or long COVIE	)		
Ayoubkhani 2022 (b)	-0.1393	0.0365	0.87 [0.81, 0.93]	+
Simon 2021 (8-12 week	(s) -0.2877	0.028	0.75 [0.71, 0.79]	+
Wisnivesky 2022	-0.3425	0.4747	0.71 [0.28, 1.80]	
Simon 2021 (4-8 weeks	s) -0.6162	0.0292	0.54 [0.51, 0.57]	+
Tran 2021	-0.6733	0.2378	0.51 [0.32, 0.81]	— <b>+</b> —
Simon 2021 (0-4 weeks	s) -0.9676	0.042	0.38 [0.35, 0.41]	+
1.1.6 Two doses AFTER	infection or long COV	1D		
Ayoubkhani 2022 (b)	-0.0943	0.0288	0.91 [0.86, 0.96]	t
Wisnivesky 2022	-0.4155	0.3856	0.66 [0.31, 1.41]	
Wynberg 2022	-0.4463	0.6764	0.64 [0.17, 2.41]	

Favours vaccine Favours no vaccine

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