

# Does the Moderna Vaccine Prevent COVID?

The EUA Document Results Comparing Vaccinated with Non-Vaccinated Individuals

14 Days after 2nd Injection there were fewer cases of COVID but The Difference in the number of cases wasn't statistically significant.  $p=NS$

Table 17. Final Scheduled Efficacy Analysis, Primary Endpoint (COVID-19) Starting 14 Days After the Second Dose per Adjudication Committee Assessments, Per-Protocol Set

Primary Endpoint: COVID-19 (per adjudication committee assessment)	Vaccine Group (N=13934)		Placebo Group (N=13883)		Met Predefined Success Criterion***
	Cases n (%) (Incidence Rate per 1,000 person- years)*	Cases n (%) (Incidence Rate per 1,000 person- years)*	Vaccine Efficacy (VE) % (95% CI)**	Vaccine Efficacy (VE) % (95% CI)**	
All participants	11 (<0.1) 3.328	185 (1.3) 96.510	94.1% (89.3%, 96.8%)	94.1% (89.3%, 96.8%)	Yes
18 to <65 years <sup>1</sup>	7/10551 (<0.1) 2.875	156/10521 (1.5) 64.625	95.6% (90.6%, 97.9%)	95.6% (90.6%, 97.9%)	NA
65 years and older <sup>2</sup>	4/3583 (0.1); 4.595	29/3552 (0.8); 33.728	86.4% (61.4%, 95.5%)	86.4% (61.4%, 95.5%)	NA



	Observed	Expected	Marginal Row Totals
Moderna	13923 (13836) [0.55]	13749 (13836) [0.55]	27672
Nothing	13698 (13785) [0.55]	13872 (13785) [0.55]	27570
Marginal Column Totals	27621	27621	55242 (Grand Total)

The chi-square statistic is 2.1923. The p-value is .136706 (Not significant at  $p < .05$ ).

The chi-square statistic with Yates correction is 2.1671. The p-value is .140989. Not significant at  $p < .05$ .

$$\text{Absolute Risk Reduction (ARR)} = 1.33\% \text{ minus } 0.08\% = 1.25\%$$