

Disease	Vaccination	1 week	2 weeks	1 month	3 months
Myocarditis	No	0.00***	0.03***	0.03***	0.30***
	Only mRNA vaccine	0.42***	0.62***	0.94***	1.16***
	Only adenoviral vaccine	0.03***	0.06***	0.08***	0.13***
	Cross vaccination	0.44***	0.51***	0.81***	1.32***
MI	No	0.24	0.30	0.45	1.26***
	Only mRNA vaccine	0.11	0.21	0.51	1.47***
	Only adenoviral vaccine	0.10	0.24	0.70	2.54***
	Cross vaccination	0.07	0.15	0.37	1.17***
AF	No	0.18	0.30	0.72**	1.94***
	Only mRNA vaccine	0.20	0.46	1.01**	3.07***
	Only adenoviral vaccine	0.25	0.56	1.33**	4.51***
	Cross vaccination	0.07	0.15	0.37**	2.13***
ILD	No	0.06	0.06	0.18	0.66***
	Only mRNA vaccine	0.09	0.17	0.37	1.21***
	Only adenoviral vaccine	0.11	0.20	0.45	1.58***
	Cross vaccination	0.00	0.07	0.22	0.29***
PTE	No	0.03	0.03	0.06	0.51
	Only mRNA vaccine	0.07	0.09	0.18	0.59
	Only adenoviral vaccine	0.10	0.14	0.15	0.52
	Cross vaccination	0.00	0.00	0.00	0.15
DVT	No	0.03*	0.03**	0.06*	0.15*
	Only mRNA vaccine	0.04*	0.06**	0.12*	0.22*
	Only adenoviral vaccine	0.14*	0.21**	0.28*	0.40*
	Cross vaccination	0.00*	0.15**	0.22*	0.44*
CeVD	No	0.30	0.60	1.37***	4.42***
	Only mRNA vaccine	0.49	0.88	1.83***	5.40***
	Only adenoviral vaccine	0.52	1.00	2.19***	6.45***
	Cross vaccination	0.22	0.59	0.73***	1.54***

Supplementary Figure 1. Incidence rate (per 10,000 persons) of the newly diagnosed vaccination-related major events according to type of vaccine. No vaccination, n = 334,583; only mRNA vaccine, n = 1,164,901; only adenoviral vaccine, n = 716,623; cross vaccination, n = 136,360. MI, myocardial infarction; AF, atrial fibrillation; ILD, interstitial lung disease; PTE, pulmonary thromboembolism; DVT, deep vein thrombosis; CeVD, cerebrovascular disease. * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$.