

Additional file 2. Age-standardized case severity rates and case fatality rates by period regarding vaccination and circulating variant of SARS-CoV-2 (%).

Vaccination status	Total	Pre-vaccination	After-vaccination		
			Pre-delta dominant	Delta dominant	Omicron dominant
Case severity rate (95% CI)					
Total	0.22 (0.22, 0.23)	2.49 (2.41, 2.57)	2.06 (1.95, 2.17)	1.93 (1.89, 1.97)	0.14 (0.14, 0.15)
Unvaccinated	1.66 (1.64, 1.68)	2.49 (2.41, 2.57)	2.12 (2.01, 2.24)	5.51 (5.37, 5.65)	0.94 (0.92, 0.97)
Partial vaccination	0.94 (0.89, 0.98)	-	1.63 (1.26, 2.06)	1.67 (1.53, 1.83)	0.7 (0.65, 0.75)
Complete vaccination	0.45 (0.44, 0.46)	-	0.64 (0.10, 2.12)	0.89 (0.86, 0.92)	0.32 (0.31, 0.33)
Booster vaccination	0.07 (0.07, 0.07)	-	-	0.56 (0.42, 0.72)	0.07 (0.07, 0.07)
Case fatality rate (95% CI)					
Total	0.13 (0.13, 0.14)	1.17 (1.12, 1.23)	0.56 (0.50, 0.62)	0.83 (0.81, 0.85)	0.10 (0.10, 0.10)
Unvaccinated	0.82 (0.80, 0.84)	1.17 (1.12, 1.23)	0.60 (0.53, 0.67)	2.49 (2.40, 2.59)	0.63 (0.61, 0.64)
Partial vaccination	0.51 (0.48, 0.55)	-	0.27 (0.15, 0.45)	0.82 (0.71, 0.94)	0.50 (0.46, 0.54)
Complete vaccination	0.29 (0.28, 0.29)	-	0.18 (0.02, 0.67)	0.45 (0.43, 0.47)	0.23 (0.23, 0.24)
Booster vaccination	0.05 (0.05, 0.05)	-	-	0.25 (0.17, 0.34)	0.05 (0.05, 0.05)

SARS-CoV-2 Severe acute respiratory syndrome coronavirus 2, *CI* Confidence Intervals