Table 10. Simulated mean number of cases (cumulative incidence per 100) and antiviral courses required for various R_0 and combinations of mitigation strategies

A	B	C	D	Intervention	R_0 = 1.9	R_0 = 2.1	R_0 = 2.4
Strategy combinations without vaccination							
		X	X	(I): School closure and local social distancing, starting 7 days after pandemic alert	8.7	29.3	41.0
X		X	X	Same as (I), also with 80% TAP starting 1 day after pandemic alert (no. courses)	0.02 (0.7 M)	0.03 (1.1 M)	0.1 (3.3 M)
X		X	X	Same as (I), but TAP starting at day 7 and school closure, social distancing at day 14	0.05 (1.5 M)	0.09 (3.0 M)	0.3 (11 M)
X			X	80% TAP, 1 day after pandemic alert (no. courses) + social distancing and 90% cut in travel, 7 days after pandemic alert	0.04 (2.5 M)	0.1 (10 M)	48.9 (20 M)*
Strategy combinations including vaccination							
	X	X	X	(II): Low efficacy vaccine, uniform distribution 10 M per week up to 250 M, starting at day 0 + social distancing and 90% cut in travel 7 days after alert + school closure 14 days after alert	0.2	0.6	4.5
	X	X	X	Same as (II), but children-first policy	0.2	0.9	7.7
X	X	X	X	Same as (II), also with 80% TAP 7 days after pandemic alert	0.03 (0.9 M)	0.05 (1.6 M)	0.09 (3.1 M)
X	X	X	X	High efficacy vaccine: 1 M per day, at pandemic alert + 80% TAP, at pandemic alert + 10 days (no. courses) + school closure and social distancing, at 14 days	0.05 (1.6 M)	0.1 (3.0 M)	0.2 (7.6 M)

A, TAP; B, vaccination; C, school closure; D, social distancing measures. M, million.

*Exhausted the available supply of 20 million antiviral courses.