S5 Table. Parameters describing contact behavior and force of infection for Germany (GER) and the USA.

Parameter	Definition	Value/Eq.	
		GER	USA
$\lambda_{ m Ext}$	Infections from outside of the population	45/day	50/day
$ar{R}_0$	Annual average basic reproduction number	3.4	3.2
a	Amplitude of the seasonal fluctuation in R_0	0.43	0.35
$t_{R_{0_{ m max}}}$	Day when R_0 reaches its maximum	300	335
$Q_{ m max}$	Maximum capacity of isolation units per 10,000	200	30
$t_{ m Iso_1}$	Day case isolation measures start	30	20
$t_{ m Iso}_2$	Day case isolation measures end	900	900
$p_{ m Home}$	Contact reduction in home isolation		75%
c_P	Relative contagiousness in prodromal period		0.5
c_I	Relative contagiousness in fully inf. phase		1
c_L	Relative contagiousness in late inf. phase		0.5
$\beta_P(t)$	Seasonally varying effective contact rate of prodromal inds.	(ef. eq. 7a
$\beta_I(t)$	Seasonally varying effective contact rate of fully infectious inds.	C	f. eq. 7b
$\beta_L(t)$	Seasonally varying effective contact rate of late infectious inds.	(ef. eq. <mark>7</mark> c

Abbreviations: eq. ... Equation; inf. ... infectious; inds. ... individuals.