

Additional file 1.

S1. Table. Coefficients used in predicting the slope of the rising line

		1 st wave	2 nd wave	3 rd wave	4 th wave	5 th wave	6 th wave	7 th wave
Epidemic Period	Rize	28	133	266	413	532	686	889
	Peak (b _i)	91	207	367	483	588	756	959
Slope of the rising line		345	787	2,366	3,879	21,538	69,103	229,523
Total number of infected persons (a _i)		16,494	62,843	352,881	351,203	937,559	4,300,000	14,000,000
Adjustment (c _i)		8	9	10	11	12	11	12