

Early detection of Covid-19 in China and the United States: Summary of the implementation of a digital decision-support and disease surveillance tool

Appendix

Supplemental Table 1. Cross-Correlation of Thermia Sessions and Covid-19 cases in China and the United States

<i>Lagged Days</i>	<i>United States</i>	<i>China</i>
-30	0.328038012	-0.066884707
-29	0.331636645	-0.067034691
-28	0.340772907	-0.060234399
-27	0.355014728	-0.034573355
-26	0.376859253	-0.032622116
-25	0.388656519	-0.020195293
-24	0.383977668	-0.009534803
-23	0.374372731	0.026199157
-22	0.405982450	0.064654834
-21	0.399986829	0.162644452
-20	0.404745529	0.169898601
-19	0.409273748**	0.283322749
-18	0.390265058	0.439001292
-17	0.393848541	0.254806251
-16	0.382627465	0.261910163
-15	0.347571761	0.272433350
-14	0.322721895	0.342759482
-13	0.286552970	0.369974245
-12	0.258164118	0.388014108
-11	0.220880719	0.415385945
-10	0.172792491	0.433442809
-9	0.157001802	0.483765020
-8	0.108768563	0.488271823
-7	0.060561456	0.494255242

-6	0.002944383	0.497945264
-5	-0.031090737	0.523049809
-4	-0.067586790	0.628874237
-3	-0.097544712	0.681103585***
-2	-0.134276010	0.570978743
-1	-0.175514176	0.462723178
0	-0.227735406	0.459696642
1	-0.259117591	0.427749333
2	-0.289230897	0.401875181
3	-0.318654478	0.420821584
4	-0.337391554	0.390617034
5	-0.374023941	0.381493499
6	-0.389412433	0.387539365
7	-0.393251473	0.360186549
8	-0.392755134	0.337932540
9	-0.395285251	0.291175720
10	-0.409504342	0.258078924
11	-0.411143463	0.252498548
12	-0.407154722	0.240504933
13	-0.393815753	0.274857620
14	-0.374858514	0.331834163
15	-0.365893800	0.268987183
16	-0.345773579	0.208299671
17	-0.337410452	0.208845953
18	-0.308191299	0.159719665
19	-0.293225441	0.180751660
20	-0.274123840	0.135896264
21	-0.250764718	0.155069413
22	-0.228567726	0.131440351
23	-0.202108705	0.131908315
24	-0.179376902	0.138428906

25	-0.153681266	0.134794250
26	-0.137445555	0.108608856
27	-0.122616432	0.067465010
28	-0.107337832	0.069335633
29	-0.089365912	0.028325672
30	-0.084916085	0.031322702

** Highest significant CCF for Thermia sessions and Covid-19 cases in the U.S.

*** Highest significant CCF for Thermia sessions and Covid-19 cases in China

Supplemental Table 2. Cross correlation values of Thermia sessions and influenza percentage positive A/B

<i>Lagged Days</i>	<i>Influenza A</i>	<i>Influenza B</i>
-4	-0.50978947**	-0.410167341
-3	-0.49341089	-0.618571845
-2	-0.43981456	-0.748810724***
-1	-0.31444639	-0.747275778
0	-0.09974482	-0.630087677
1	0.13306809	-0.511670203
2	0.34932524	-0.376212924
3	0.54661770	-0.183027917
4	0.62416125	0.002980783

** Highest significant CCF for Thermia sessions and Covid-19 cases in the U.S.

*** Highest significant CCF for Thermia sessions and Covid-19 cases in China