

## **PERIOD 1: JAN-FEB 2020**

### **Number of Tweets:**

China: 4876

USA: 7519

China&USA: 12395

### **Most frequent words (ordered):**

China

	Word	Count
0	china	3018
1	novel	1385
2	hospital	969
3	coronavirus	949
4	case	863
5	outbreak	846
6	new	657
7	patient	651
8	fight	583
9	say	521
10	confirm	454
11	people	426
12	epidemic	403
13	medical	378
14	hubei	369
15	province	355
16	battle	311
17	support	310
18	report	299
19	health	294
20	live	294
21	city	293
22	amid	289
23	death	288
24	day	273
25	control	266
26	virus	263
27	year	233
28	take	223
29	effort	213

USA

	Word	Count
0	coronavirus	5134
1	china	3946
2	outbreak	1404
3	virus	1133
4	case	1110
5	say	933
6	new	906
7	spread	858
8	death	734
9	people	624
10	health	603
11	late	459
12	cruise	414
13	report	414
14	first	413

15	ship	408
16	city	394
17	confirm	392
18	toll	374
19	world	370
20	quarantine	369
21	japan	366
22	state	362
23	country	348
24	travel	348
25	flight	335
26	fear	329
27	hit	321
28	test	310
29	rise	304

#### China&USA

	Word	Count
0	china	6964
1	coronavirus	6084
2	outbreak	2250
3	case	1973
4	new	1563
5	novel	1539
6	say	1454
7	virus	1395
8	hospital	1177
9	people	1050
10	death	1022
11	spread	1013
12	health	897
13	patient	851
14	confirm	846
15	report	713
16	fight	707
17	city	687
18	late	638
19	first	600
20	hubei	588
21	day	568
22	epidemic	565
23	world	562
24	country	559
25	amid	533
26	province	525
27	medical	495
28	official	484
29	infect	462

#### Most important edges (how many times two keywords appear in the same tweet):

China:

	weight
(china, novel)	1024
(china, outbreak)	644
(china, coronavirus)	619
(confirm, case)	571
(patient, hospital)	560
(china, case)	527
(china, fight)	502

(novel, coronavirus)	483
(new, case)	479
(china, new)	427
(china, say)	422
(novel, outbreak)	394
(case, report)	368
(case, death)	357
(epidemic, china)	346
(china, support)	339
(china, hospital)	334
(china, confirm)	311
(new, confirm)	296
(china, people)	281
(china, province)	272
(china, battle)	266
(china, hubei)	258
(report, new)	245
(new, death)	245
(fight, novel)	233
(makeshift, hospital)	233
(china, effort)	232
(novel, hospital)	231
(coronavirus, outbreak)	227

#### USA:

	weight
(china, coronavirus)	2552
(coronavirus, outbreak)	1118
(china, outbreak)	937
(coronavirus, case)	923
(china, virus)	713
(spread, coronavirus)	682
(new, coronavirus)	642
(china, case)	627
(say, coronavirus)	605
(china, death)	596
(china, new)	561
(coronavirus, death)	534
(china, say)	521
(china, spread)	504
(coronavirus, health)	467
(people, coronavirus)	463
(china, people)	426
(cruise, ship)	375
(china, late)	367
(confirm, case)	364
(coronavirus, late)	363
(china, health)	360
(death, toll)	358
(travel, china)	349
(china, toll)	327
(coronavirus, confirm)	326
(coronavirus, cruise)	325
(coronavirus, first)	318
(report, coronavirus)	310
(coronavirus, ship)	306

#### China&USA:

	weight
(china, coronavirus)	3171

(china, outbreak)	1581
(coronavirus, outbreak)	1346
(china, case)	1154
(coronavirus, case)	1146
(china, novel)	1109
(china, new)	988
(china, say)	943
(confirm, case)	935
(china, virus)	914
(coronavirus, new)	806
(china, death)	804
(new, case)	783
(spread, coronavirus)	724
(china, people)	707
(say, coronavirus)	682
(novel, coronavirus)	638
(case, death)	625
(china, spread)	603
(patient, hospital)	594
(coronavirus, death)	585
(china, fight)	558
(health, china)	555
(case, report)	543
(coronavirus, people)	526
(health, coronavirus)	513
(china, confirm)	511
(china, report)	491
(china, late)	489
(new, death)	457

**Most important keywords according to PageRank (column 0=keyword, column1=importance):**

China: 645 important nodes

	0	1
0	china	0.052924
1	novel	0.025584
2	hospital	0.017164
3	coronavirus	0.016114
4	case	0.015881
5	outbreak	0.015444
6	patient	0.011923
7	new	0.011853
8	say	0.011254
9	fight	0.010305
10	confirm	0.009001
11	people	0.008836
12	medical	0.007752
13	province	0.007708
14	epidemic	0.007650
15	hubei	0.007484
16	health	0.006360
17	city	0.006205
18	support	0.006089
19	report	0.005872
20	death	0.005794
21	battle	0.005586
22	day	0.005476
23	virus	0.005410
24	year	0.004939
25	one	0.004876

26	amid	0.004870
27	control	0.004748
28	take	0.004553
29	country	0.004448

USA: 602 important nodes

	0	1
0	coronavirus	0.058512
1	china	0.047678
2	outbreak	0.020155
3	case	0.014923
4	virus	0.013855
5	say	0.013385
6	new	0.012331
7	spread	0.011035
8	health	0.010220
9	people	0.010159
10	death	0.009788
11	city	0.006017
12	world	0.005769
13	country	0.005667
14	state	0.005636
15	travel	0.005629
16	first	0.005581
17	cruise	0.005491
18	ship	0.005455
19	report	0.005421
20	quarantine	0.005129
21	toll	0.005089
22	official	0.005078
23	confirm	0.005038
24	day	0.004925
25	global	0.004582
26	japan	0.004428
27	two	0.004177
28	rise	0.004159
29	infect	0.004116

China&USA: 617 important nodes

	0	1
0	china	0.048848
1	coronavirus	0.038912
2	outbreak	0.017662
3	case	0.014807
4	novel	0.012517
5	say	0.012240
6	new	0.011796
7	virus	0.009994
8	people	0.009341
9	hospital	0.008908
10	health	0.008284
11	death	0.007757
12	spread	0.007376
13	patient	0.006800
14	confirm	0.006526
15	city	0.005970
16	report	0.005428
17	fight	0.005180
18	day	0.005033

19	country	0.004991
20	world	0.004861
21	hubei	0.004841
22	province	0.004739
23	first	0.004635
24	medical	0.004473
25	epidemic	0.004472
26	official	0.004120
27	year	0.004089
28	amid	0.003840
29	infect	0.003747

### **Graph summary:**

China:

Nodes: 663

Edges: 46516

Is connected: True

USA:

Nodes: 611

Edges: 40691

Is connected: True

China&USA:

Nodes: 652

Edges: 63889

Is connected: True