

## **PERIOD 3: MARCH-APR 2021**

### **Number of Tweets:**

China: 1376  
USA: 3957  
China&USA: 5333

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

#### China

	Word	Count
0	covid	959
1	vaccine	767
2	china	328
3	say	191
4	report	175
5	health	173
6	case	172
7	country	172
8	receive	159
9	first	156
10	million	151
11	new	150
12	dos	123
13	people	120
14	pandemic	113
15	batch	105
16	world	96
17	president	77
18	accord	72
19	dose	71
20	use	70
21	national	67
22	death	65
23	day	65
24	vaccination	65
25	one	64
26	year	63
27	brazil	63
28	second	59
29	administer	59

#### USA

	Word	Count
0	covid	3021
1	vaccine	2128
2	say	879
3	new	413
4	case	395
5	johnson	298
6	shot	259
7	million	258
8	report	253
9	use	253
10	people	247
11	get	247
12	country	247
13	india	238
14	health	235

15	first	235
16	dos	220
17	blood	217
18	vaccination	216
19	clot	215
20	pandemic	213
21	death	211
22	coronavirus	210
23	state	207
24	year	177
25	brazil	167
26	surge	157
27	president	148
28	world	143
29	infection	142

#### China&USA

	Word	Count
0	covid	3980
1	vaccine	2895
2	say	1070
3	case	567
4	new	563
5	china	460
6	report	428
7	country	419
8	million	409
9	health	408
10	first	391
11	people	367
12	johnson	346
13	dos	343
14	pandemic	326
15	use	323
16	shot	290
17	receive	286
18	get	285
19	vaccination	281
20	death	276
21	state	262
22	blood	258
23	coronavirus	253
24	india	249
25	clot	247
26	year	240
27	world	239
28	brazil	230
29	president	225

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

China:

	weight
(covid, vaccine)	529
(vaccine, china)	253
(china, covid)	249
(receive, vaccine)	171
(covid, case)	143
(million, covid)	141
(health, covid)	139

(vaccine, say)	137
(covid, say)	135
(vaccine, dos)	135
(country, vaccine)	134
(covid, country)	127
(new, covid)	125
(first, vaccine)	125
(covid, report)	121
(first, covid)	119
(receive, covid)	118
(million, vaccine)	113
(vaccine, health)	110
(batch, vaccine)	109
(covid, dos)	105
(covid, pandemic)	103
(new, case)	98
(covid, people)	92
(batch, covid)	90
(million, dos)	90
(vaccine, use)	83
(case, report)	81
(world, covid)	74
(dose, vaccine)	73

#### USA:

	weight
(vaccine, covid)	1459
(covid, say)	649
(vaccine, say)	633
(new, covid)	363
(covid, case)	354
(johnson, vaccine)	287
(johnson, covid)	239
(use, vaccine)	238
(vaccine, clot)	234
(vaccine, blood)	233
(vaccine, dos)	224
(report, covid)	223
(million, covid)	198
(blood, clot)	197
(country, covid)	196
(covid, death)	195
(covid, shot)	193
(covid, first)	192
(india, covid)	185
(covid, get)	185
(million, vaccine)	184
(use, covid)	183
(covid, health)	182
(covid, dos)	174
(people, covid)	165
(shot, vaccine)	163
(state, covid)	162
(covid, vaccination)	162
(get, vaccine)	160
(country, vaccine)	152

#### China&USA:

	weight
(covid, vaccine)	1988

(covid, say)	784
(vaccine, say)	770
(covid, case)	497
(new, covid)	488
(china, covid)	363
(vaccine, dos)	359
(covid, report)	344
(johnson, vaccine)	343
(million, covid)	339
(vaccine, china)	325
(covid, country)	323
(vaccine, use)	321
(health, covid)	321
(first, covid)	311
(million, vaccine)	297
(country, vaccine)	286
(receive, vaccine)	280
(covid, dos)	279
(vaccine, blood)	276
(vaccine, clot)	268
(covid, people)	257
(johnson, covid)	257
(covid, death)	256
(first, vaccine)	251
(covid, pandemic)	250
(vaccine, health)	249
(use, covid)	234
(receive, covid)	233
(blood, clot)	233

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

China: 552 important nodes

	0	1
0	covid	0.070439
1	vaccine	0.055125
2	china	0.026009
3	say	0.017835
4	health	0.016636
5	country	0.015820
6	report	0.015076
7	case	0.013800
8	million	0.012868
9	first	0.012644
10	receive	0.011891
11	new	0.011646
12	dos	0.010449
13	people	0.010419
14	world	0.009165
15	pandemic	0.008211
16	accord	0.007000
17	batch	0.006803
18	national	0.006340
19	day	0.006168
20	death	0.005893
21	use	0.005830
22	president	0.005761
23	vaccination	0.005744

24	brazil	0.005573
25	year	0.005367
26	dose	0.005337
27	administer	0.005242
28	organization	0.005153
29	origin	0.005108

USA: 676 important nodes

	0	1
0	covid	0.063874
1	vaccine	0.047072
2	say	0.023262
3	new	0.009925
4	case	0.009437
5	johnson	0.008682
6	country	0.007628
7	health	0.007251
8	shot	0.007151
9	people	0.007127
10	get	0.006827
11	coronavirus	0.006558
12	report	0.006503
13	blood	0.006497
14	pandemic	0.006475
15	use	0.006378
16	clot	0.006196
17	state	0.006024
18	first	0.005914
19	million	0.005731
20	vaccination	0.005676
21	year	0.005515
22	death	0.005351
23	india	0.004982
24	dos	0.004762
25	day	0.004197
26	world	0.004078
27	surge	0.004060
28	president	0.003914
29	risk	0.003880

China&USA: 663 important nodes

	0	1
0	covid	0.062611
1	vaccine	0.046663
2	say	0.021079
3	case	0.009930
4	new	0.009779
5	country	0.009155
6	health	0.009030
7	report	0.008106
8	people	0.007628
9	china	0.007626
10	johnson	0.007189
11	first	0.007073
12	million	0.006912
13	pandemic	0.006804
14	use	0.005964
15	shot	0.005775
16	dos	0.005685
17	get	0.005602

18	coronavirus	0.005560
19	blood	0.005516
20	state	0.005506
21	vaccination	0.005440
22	year	0.005281
23	death	0.005209
24	receive	0.005127
25	clot	0.005123
26	world	0.005057
27	day	0.004435
28	president	0.004203
29	accord	0.004075

### **Graph summary:**

China:

Nodes: 556

Edges: 19649

Is connected: True

USA:

Nodes: 686

Edges: 43779

Is connected: True

China&USA:

Nodes: 677

Edges: 52248

Is connected: True