PERIOD 2: SEPT-OCT 2020

Number of Tweets:

```
China:  3098
USA:  8389
China&USA:  11487
```

Most frequent words(ordered):

```
China
            Word  Count
0          china   1751
1          covid    641
2            say    446
3           case    324
4            new    321
5    coronavirus    272
6        country    257
7           year    256
8            day    256
9      president    238
10        report    231
11          city    227
12      national    216
13        people    211
14         world    204
15          test    193
16      province    192
17      pandemic    189
18        health    171
19         first    167
20       million    167
21         watch    154
22        global    153
23       vaccine    148
24          live    134
25         trump    129
26          take    127
27           see    124
28      positive    122
29          high    121

USA
            Word  Count
0          covid   4188
1    coronavirus   2205
2            say   1662
3          trump   1315
4            new   1170
5        vaccine   1168
6          china   1073
7           case   1055
8      president   1017
9           test   1006
10      pandemic    602
11        report    601
12      positive    565
13         house    461
14           day    436
```

```
15        people    434
16         state    404
17         death    395
18        health    391
19         first    387
20       million    364
21         white    361
22         world    349
23     infection    340
24         month    332
25         trial    332
26          week    327
27       country    320
28          rise    318
29           one    315


China&USA
            Word  Count
0          covid   4829
1          china   2824
2    coronavirus   2477
3            say   2108
4            new   1491
5          trump   1444
6           case   1379
7        vaccine   1316
8      president   1255
9           test   1199
10        report    832
11      pandemic    791
12           day    692
13      positive    689
14        people    645
15       country    577
16        health    562
17         first    554
18         world    553
19       million    531
20          year    527
21         house    526
22         state    491
23         death    488
24           one    429
25          city    426
26         white    418
27     infection    415
28        global    402
29          week    400
```

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

```
China:
                    weight
(china, say)           283
(year, china)          218
(china, covid)         212
(china, day)           211
(china, national)      185
(report, case)         183
(new, case)            181
```

```
(national, day)             170
(china, country)            152
(covid, case)               152
(china, province)           151
(china, city)               149
(poverty, china)            127
(covid, say)                125
(new, china)                125
(new, report)               124
(people, china)             121
(day, holiday)              120
(china, world)              120
(test, positive)            117
(new, covid)                117
(china, xinjiang)           111
(president, china)          111
(china, holiday)            108
(covid, pandemic)           108
(china, development)        108
(first, china)              105
(global, china)             104
(say, president)            101
(health, case)               97
```

USA:

```
                           weight
(president, trump)           1037
(say, covid)                  811
(covid, vaccine)              745
(covid, trump)                687
(covid, case)                 686
(test, covid)                 685
(new, covid)                  683
(test, positive)              578
(trump, say)                  564
(say, coronavirus)            509
(covid, president)            499
(new, case)                   498
(trump, coronavirus)          469
(president, say)              447
(white, house)                413
(trump, test)                 403
(covid, positive)             386
(report, case)                372
(case, coronavirus)           371
(president, coronavirus)      369
(new, coronavirus)            363
(say, test)                   353
(report, covid)               352
(test, coronavirus)           328
(report, new)                 319
(vaccine, trial)              309
(trump, house)                301
(trump, positive)             297
(vaccine, coronavirus)        293
(president, test)             284
```

China&USA:

```
                           weight
(president, trump)           1134
```

```
(covid, say)                    936
(covid, case)                   838
(new, covid)                    800
(covid, vaccine)                798
(covid, test)                   764
(covid, trump)                  750
(test, positive)                697
(new, case)                     679
(trump, say)                    609
(president, covid)              587
(report, case)                  555
(say, president)                548
(coronavirus, say)              547
(coronavirus, trump)            493
(white, house)                  473
(china, say)                    468
(trump, test)                   458
(china, covid)                  454
(positive, covid)               449
(report, covid)                 446
(new, report)                   443
(case, coronavirus)             434
(new, coronavirus)              421
(coronavirus, president)        399
(test, say)                     394
(test, coronavirus)             369
(covid, pandemic)               350
(trial, vaccine)                339
(trump, positive)               330
```

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

```
China:  794 important nodes
             0          1
0         china  0.051136
1         covid  0.018314
2           say  0.014814
3           new  0.010169
4          case  0.009960
5           day  0.009110
6          year  0.008864
7       country  0.008656
8          city  0.007800
9        report  0.007610
10  coronavirus  0.007489
11    president  0.007483
12     national  0.007045
13        world  0.006720
14       people  0.006641
15     province  0.006114
16         test  0.005847
17       health  0.005752
18     pandemic  0.005589
19      million  0.005586
20        first  0.005532
21       global  0.004785
22      holiday  0.004423
23       accord  0.004075
24         high  0.004054
25      vaccine  0.004019
```

```
26          take  0.003964
27   development  0.003921
28       poverty  0.003904
29           see  0.003827

USA:   690 important nodes
                   0          1
0           covid  0.038408
1     coronavirus  0.023511
2             say  0.019989
3           trump  0.018025
4       president  0.014184
5         vaccine  0.012037
6             new  0.011733
7            test  0.011480
8            case  0.009227
9           china  0.008758
10       pandemic  0.007546
11       positive  0.006666
12          house  0.006620
13         people  0.005691
14         report  0.005661
15          white  0.005439
16          first  0.005140
17            day  0.004805
18          state  0.004738
19         health  0.004712
20          month  0.004297
21           week  0.004282
22          world  0.004248
23            one  0.004230
24          virus  0.004071
25        million  0.003818
26        country  0.003805
27          trial  0.003669
28      infection  0.003649
29          death  0.003639

China&USA:   724 important nodes

                   0          1
0           covid  0.031716
1           china  0.020072
2     coronavirus  0.018443
3             say  0.017952
4           trump  0.013599
5       president  0.011890
6             new  0.010875
7            test  0.009580
8         vaccine  0.009412
9            case  0.009016
10       pandemic  0.006829
11         report  0.005946
12            day  0.005783
13         people  0.005780
14       positive  0.005657
15          house  0.005174
16          first  0.005065
17        country  0.004980
18          world  0.004818
```

```
19      health  0.004798
20        year  0.004710
21       white  0.004276
22     million  0.004138
23       state  0.004001
24         one  0.003972
25        city  0.003761
26        week  0.003683
27       month  0.003449
28        take  0.003329
29       death  0.003280
```

Graph summary:

```
China:
Nodes:  803
Edges:  53298
Is connected:  True

USA:
Nodes:  720
Edges:  68156
Is connected:  True

China&USA:
Nodes:  771
Edges:  90251
Is connected:  True
```