

New people affected 7/26/2020

Each one is a person not a number

New cases in Franklin Township: 3, Ages 26, 32, 34

Total cases in Franklin Township: 1371

New fatalities reported in Franklin Township: 0

Total fatalities reported in Franklin Township: 133

LTC fatalities reported in Franklin Township: 63 (I last checked 7/22)

Franklin calculated values *

- Doubling time: ~8 months
- R_7 : 1.28 I told you this would come up today. See “Calculating R7”
- pseudo Recovered: 1143
- Pending Recovery: 95
- 84% of deaths (112 of 133) are 65 years or older.
- 74 consecutive days with 10 or fewer new cases
- 2 consecutive days with 3 or fewer new cases

- NJ Hospitalizations % of peak (725/8293) = 8.7%
- NJ total tests = 1,953,289
- NJ total positive = 179,363 - % positive - 9% (Yesterday, not updated)
- NJ spot positive = 1.6% **
- NJ average number of tests/day in the last 10 days – 19,177
- NJ R_t = 1.05 (Concerning)

Calculating R7

R7 is the poor man’s way of calculating R_t also called the reproduction rate. In short it is the number of people an infected person is expected to infect. Less than one the number of infections decrease. Greater than one they increase. R_t is actually really hard to calculate. It takes modeling and frankly is beyond me. An easier way to approximate it is to divide the past weeks new cases by the new cases of the week before. There are glitches to that though and I predicted it would happen today. The reason is easier to see by looking at the spread sheet for today.

In red are the new cases from a week ago. In blue the most recent week. Yesterday the 10 of 7/19 was in the numerator, today it jumped into the denominator. That jump drives R7 down artificially. Nothing is easy with this virus.

Either way R7 is too high. We have been doing a lot of testing. Hopefully that’s why.

* Definitions

Doubling time: The amount of time it would take to double the number of current cases at the current rate of growth. The higher the better

R₇: The number of people an infected person would infect. Calculate by the sum of the new cases over the last 7 days divided by the number of new cases over the previous 7 days. The lower the better. Under 1 is good.

Pseudo recovered: The number of people who were infected 30 or more days ago who haven't died.

Pending recovered: the number of people infected in the last 29 days who haven't died. (total cases – deaths – pseudo recovered)

**Spot positivity – Percent of recent test being positive. Average for the last 5 days.

My typical disclaimers and sources

I do not answer questions about location of the positives (except LTC). I do not have that information (except LTC). For the reasons why please see my post on March 31 <http://mayorkramer.com/files/mar31.html#4>

Please see the Somerset Co. status map.

<https://www.co.somerset.nj.us/government/public-health-safety/health-department/services/disease-prevention/covid-19-status-map>

We have gotten more specificity on why the Twp.'s count of the number of total cases for Franklin differs from the county cases on their map. If an infected person who lives in Franklin moves to a care facility out of Franklin, then the county does not include them in the total number. We do. If someone who lives in another town becomes infected and then comes to Franklin, we do not count them. The county does.

The State dashboard can be found

at https://www.nj.gov/health/cd/topics/covid2019_dashboard.shtml

Test numbers: <https://covidtracking.com/data/state/new-jersey>

NJ R_t – <https://rt.live>