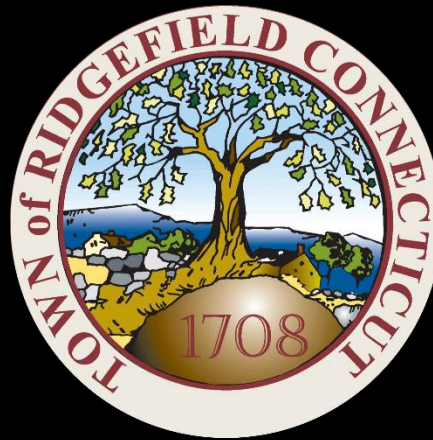


Connecticut Vaccination Summary

Ridgefield COVID-19 Task Force



Data downloaded from
<https://covid.cdc.gov/covid-data-tracker/#vaccinations>

Friday, March 19, 2021

Connecticut and US Vaccination Summary

Connecticut (as of Friday March 19, 2021)	Cumulative	Daily
Doses Delivered	1,884,695	34,581
Doses Administered	1,551,481	29,447
Percent of Population Who Have Completed Vaccination	15.69%	
Connecticut Rank Among 50 States and DC	6	
Percent of Population Who Have Initiated Vaccination	28.46%	
Connecticut Rank Among 50 States and DC	3	

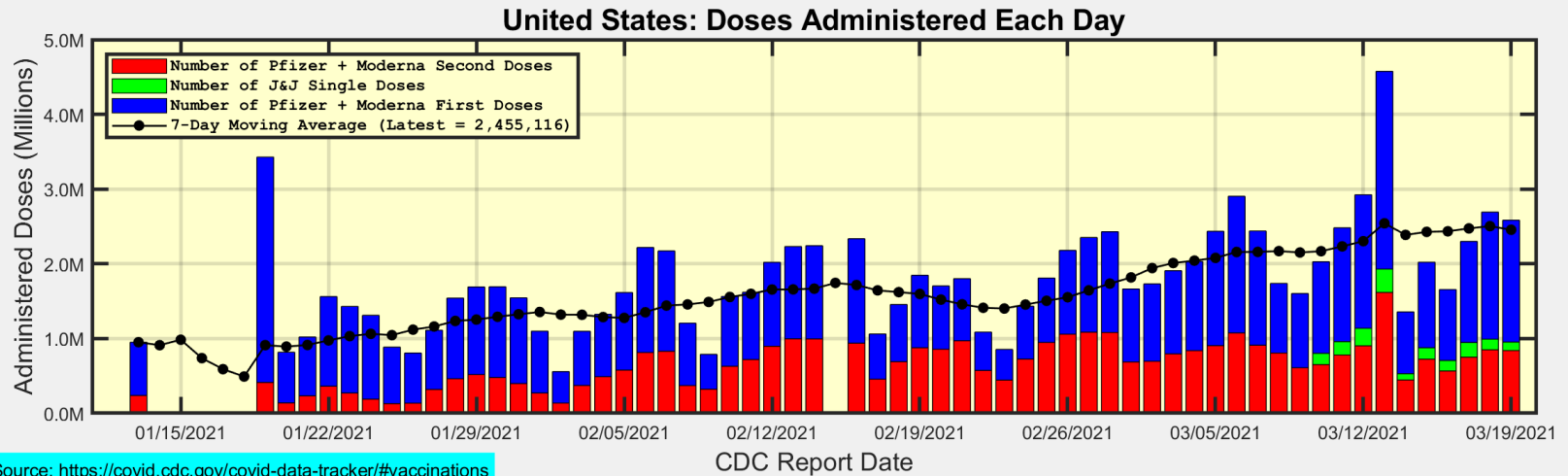
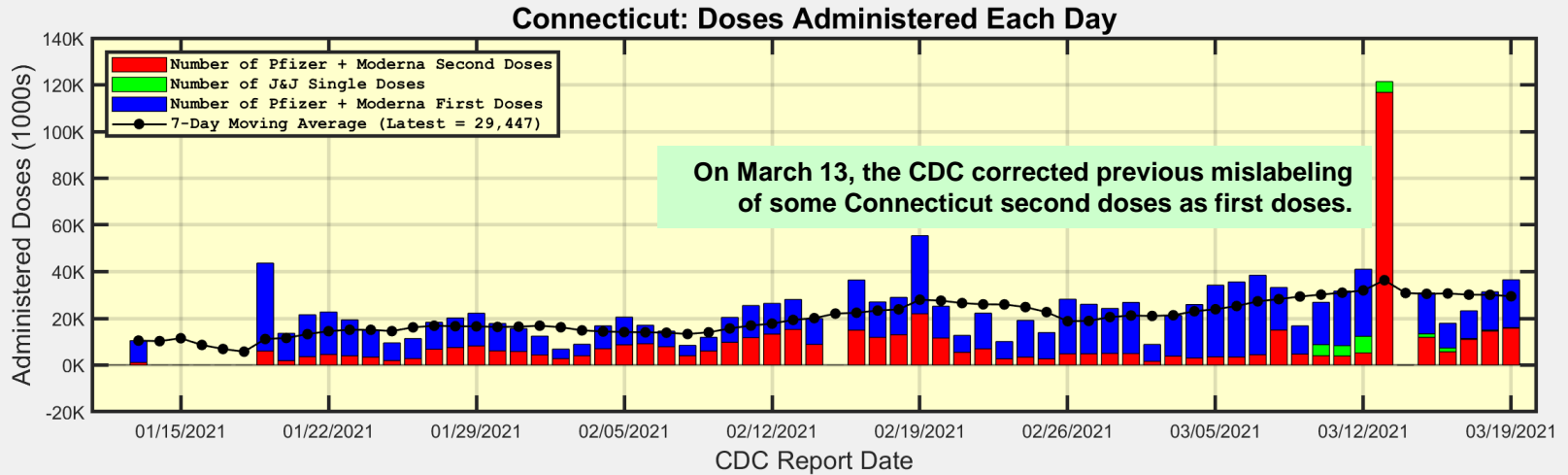
United States (as of Friday March 19, 2021)	Cumulative	Daily
Doses Delivered	154,199,235	2,980,244
Doses Administered	118,313,818	2,455,116
Percent of Population Who Have Completed Vaccination	12.67%	
Percent of Population Who Have Initiated Vaccination	23.33%	

Data Source: <https://covid.cdc.gov/covid-data-tracker/#vaccinations>.

The Daily numbers are the most recent 7-day moving averages.



Number of Doses Administered Each Day

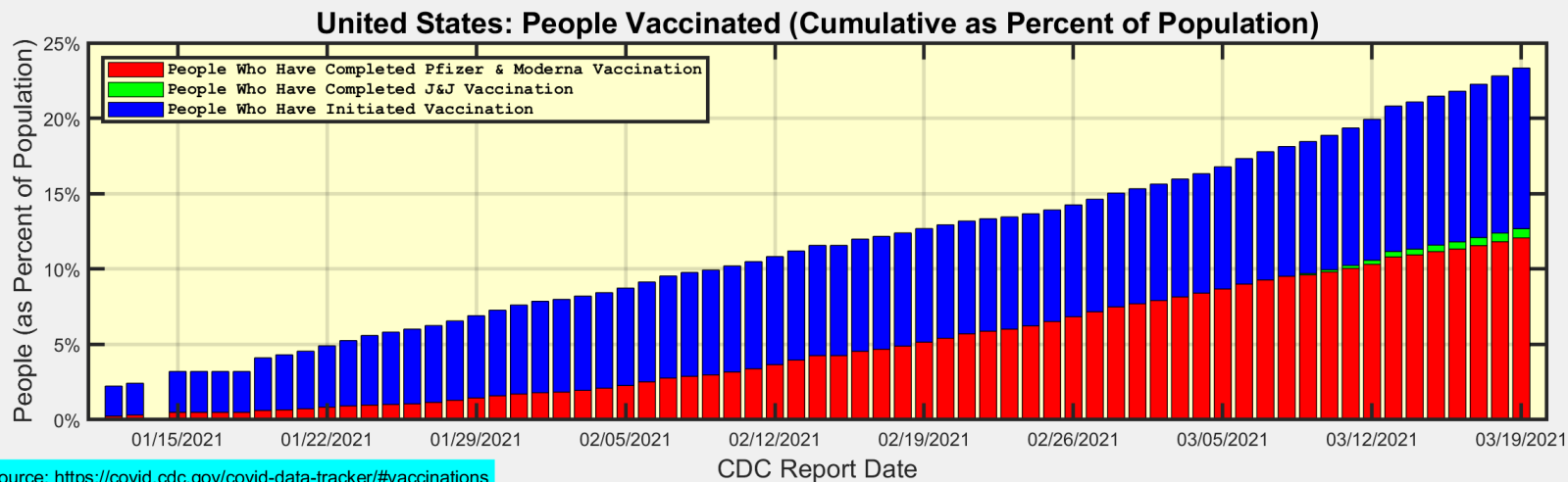
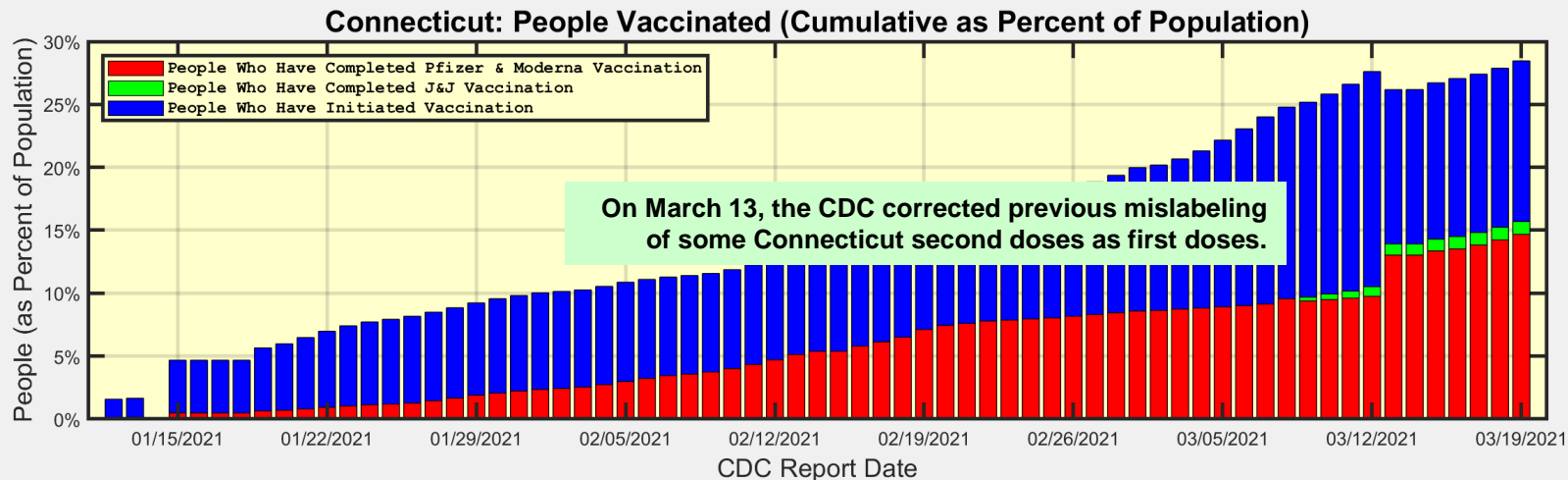


Data Source: <https://covid.cdc.gov/covid-data-tracker/#vaccinations>



Ridgefield COVID-19 Task Force

Cumulative Number of People Vaccinated (as Percent of Population)

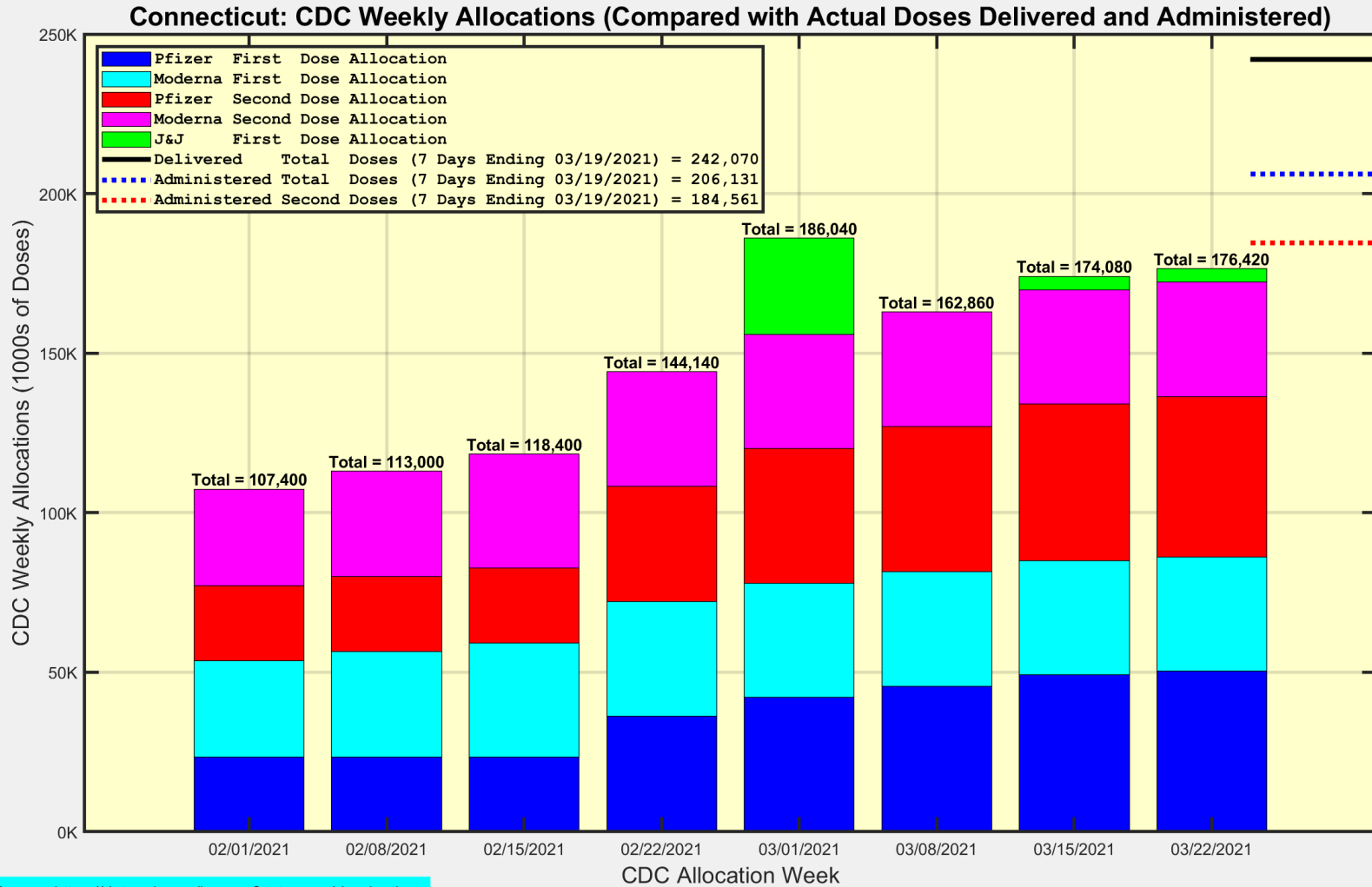


Data Source: <https://covid.cdc.gov/covid-data-tracker/#vaccinations>

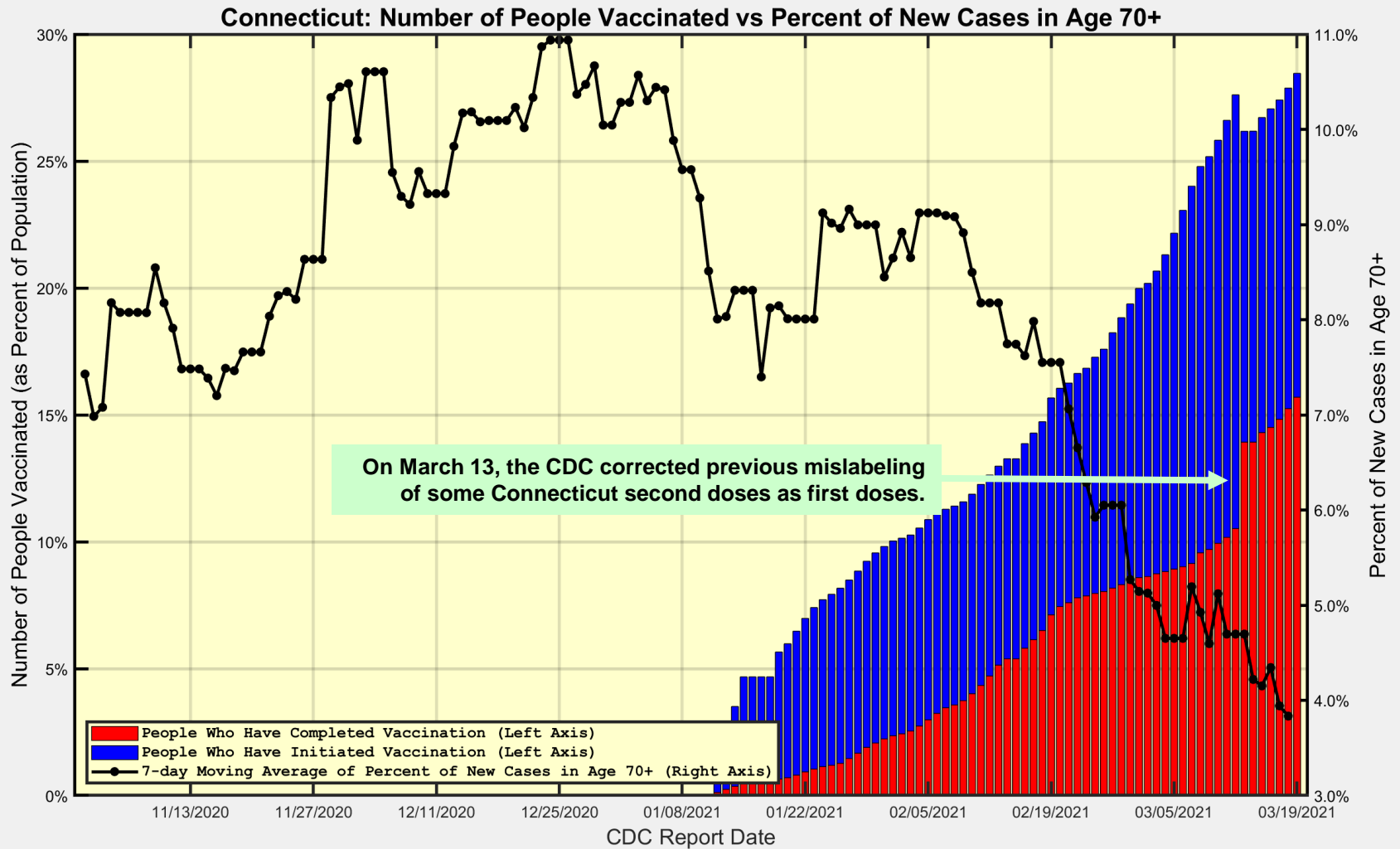


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CDC Weekly Allocations for Connecticut

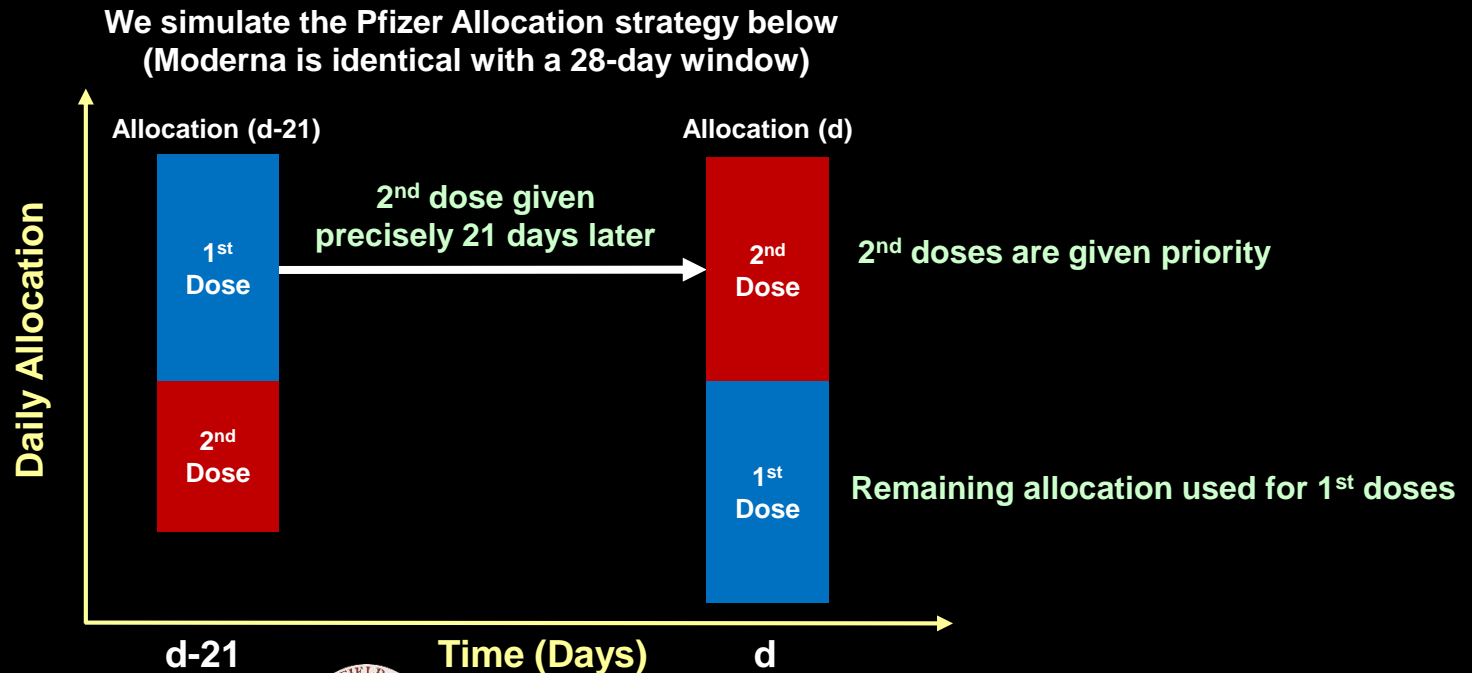


Connecticut New Cases in Age 70+ are decreasing rapidly ... this appears to be due to increased vaccinations



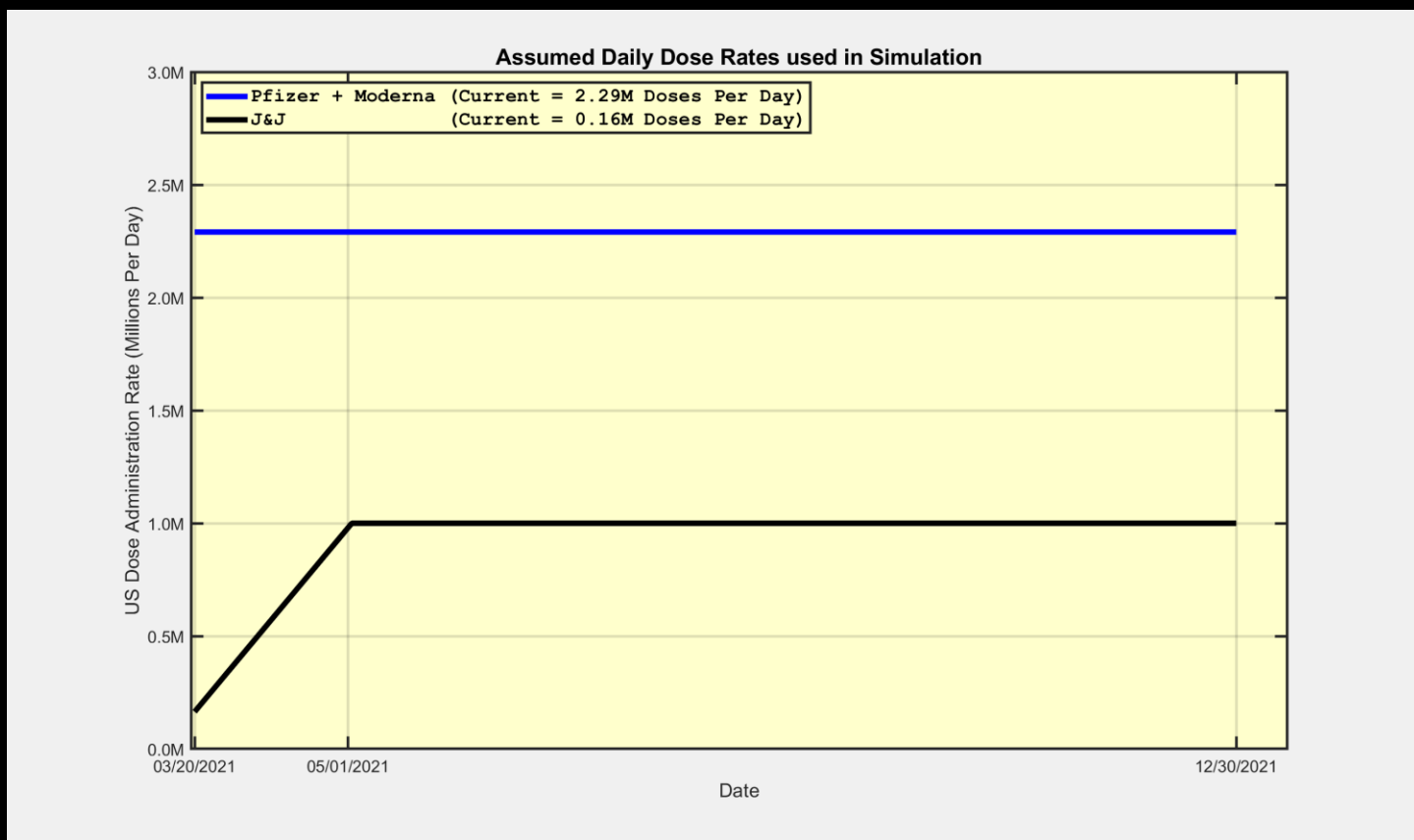
Simulation of Herd Immunity: Assumptions

1. Herd Immunity is achieved when 75% of the US population is fully vaccinated.
2. We replicate known history up to the first day of the simulation.
3. *We do not assume that people previously testing positive are immune ... they are still vaccinated.*
4. All residents eligible for their 2nd dose (21 or 28 days after 1st dose) will *receive it on the required day.*
5. Doses remaining after administering *all required 2nd doses are administered as 1st doses.*
6. Hence, we assume sufficient capacity to *administer all allocated doses without any delay or disposal.*
7. *We ignore potential 'vaccine hesitancy', i.e., we assume everyone eligible for vaccination takes it.*
8. *Continued spread of variants could also slow the time required to reach herd immunity.*



Simulation of Herd Immunity: Assumed Dose Rates

1. The US Pfizer + Moderna dose rates remain at current levels
2. The Johnson & Johnson dose rate ramps up from current level to 1M doses per day on May 1



Simulation of Herd Immunity

NOTE: This is a computer simulation based on assumptions that will likely change in the future.

