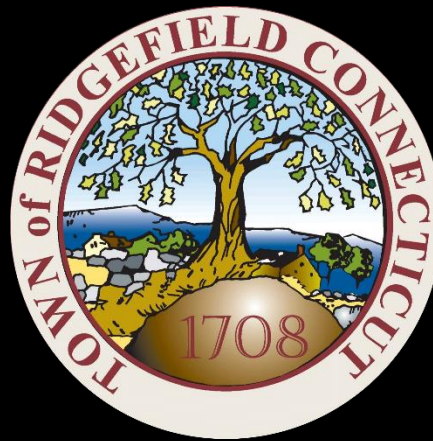


Connecticut Vaccination Summary

Ridgefield COVID-19 Task Force



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

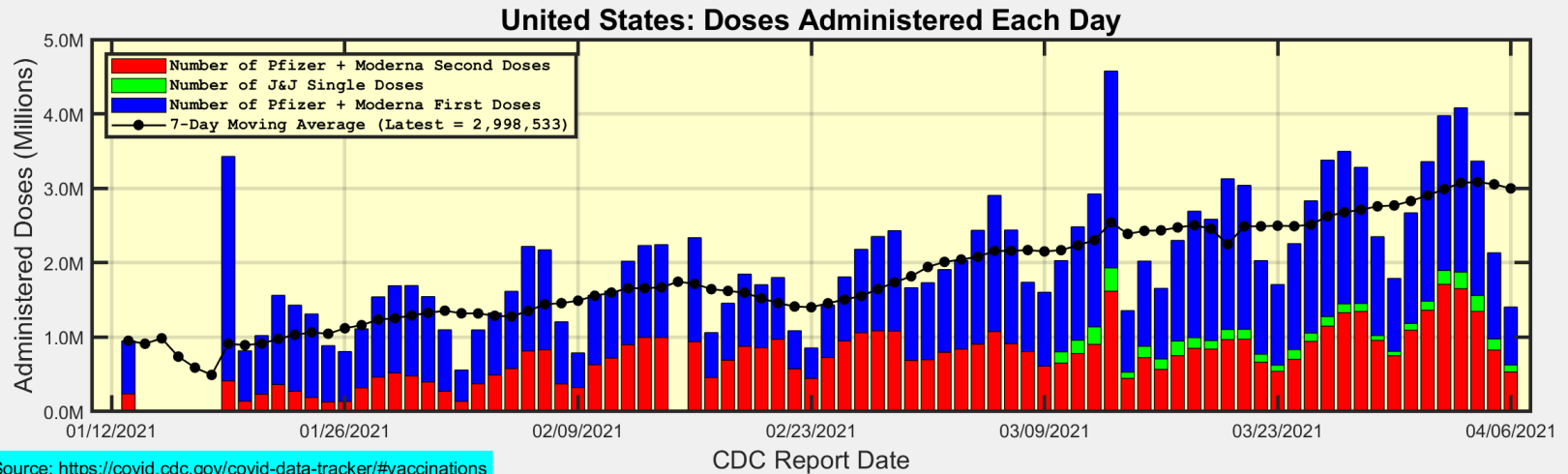
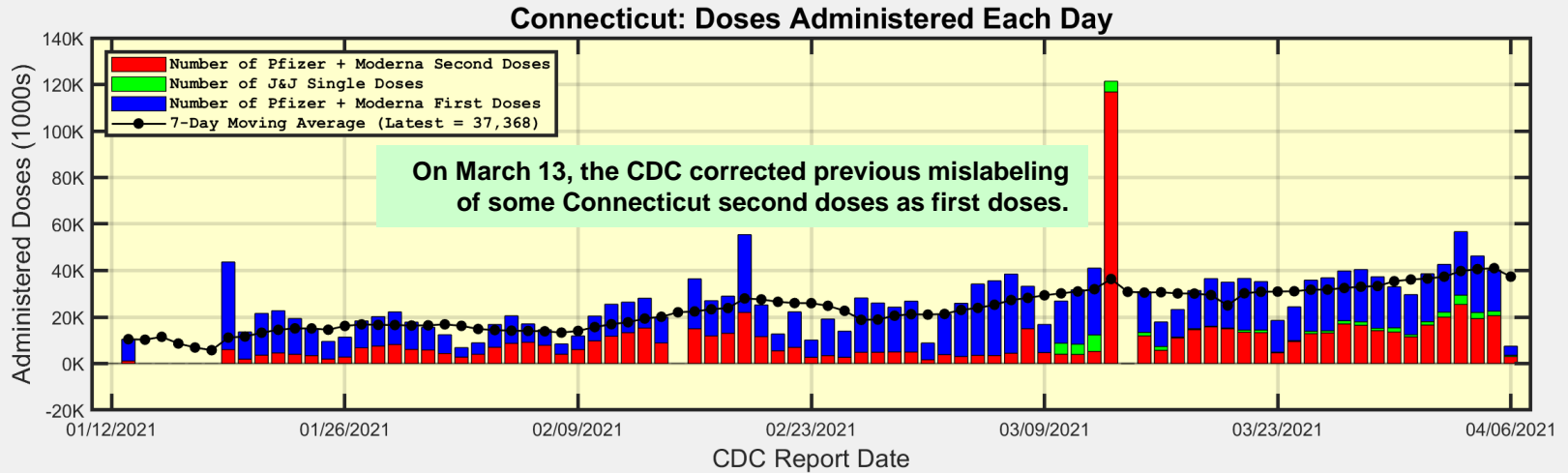
Tuesday, April 06, 2021

Connecticut and US Vaccination Summary

Connecticut (as of Tuesday April 06, 2021)	Cumulative	Daily
Doses Delivered	2,805,115	68,957
Doses Administered	2,186,180	37,368
Percent of Population Who Have Completed Vaccination	23.65%	
Connecticut Rank Among 50 States and DC	6	
Percent of Population Who Have Initiated Vaccination	38.97%	
Connecticut Rank Among 50 States and DC	3	
United States (as of Tuesday April 06, 2021)	Cumulative	Daily
Doses Delivered	219,194,215	4,248,990
Doses Administered	168,592,075	2,998,533
Percent of Population Who Have Completed Vaccination	19.04%	
Percent of Population Who Have Initiated Vaccination	32.72%	
Data Source: https://covid.cdc.gov/covid-data-tracker/#vaccinations .		
The Daily numbers are the most recent 7-day moving averages.		



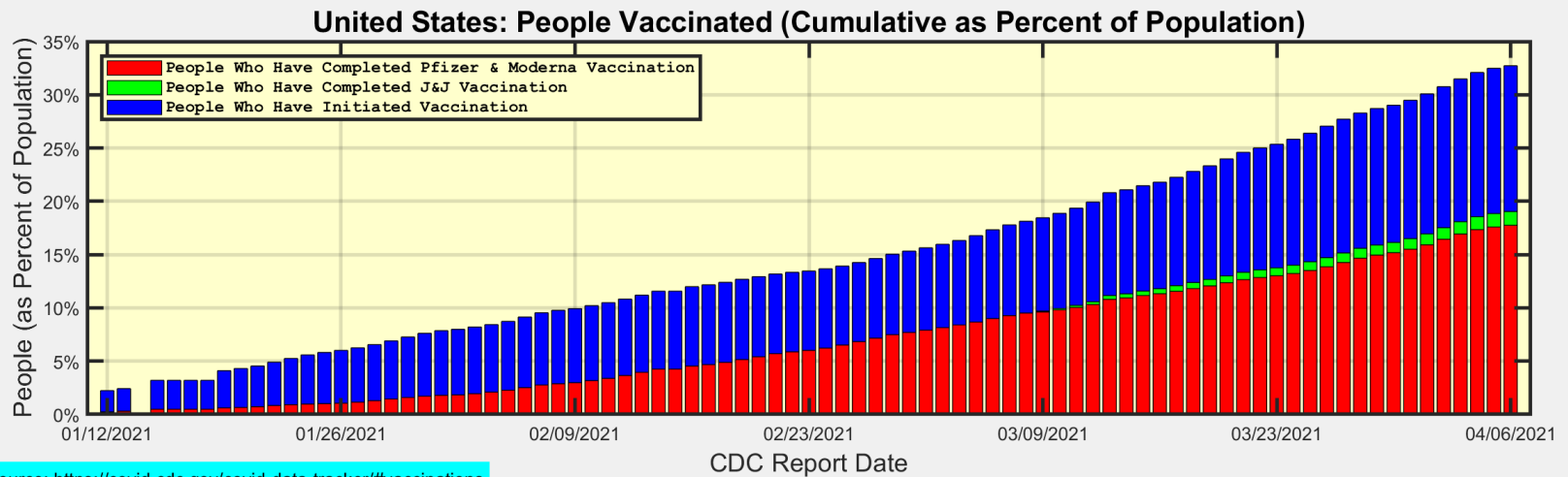
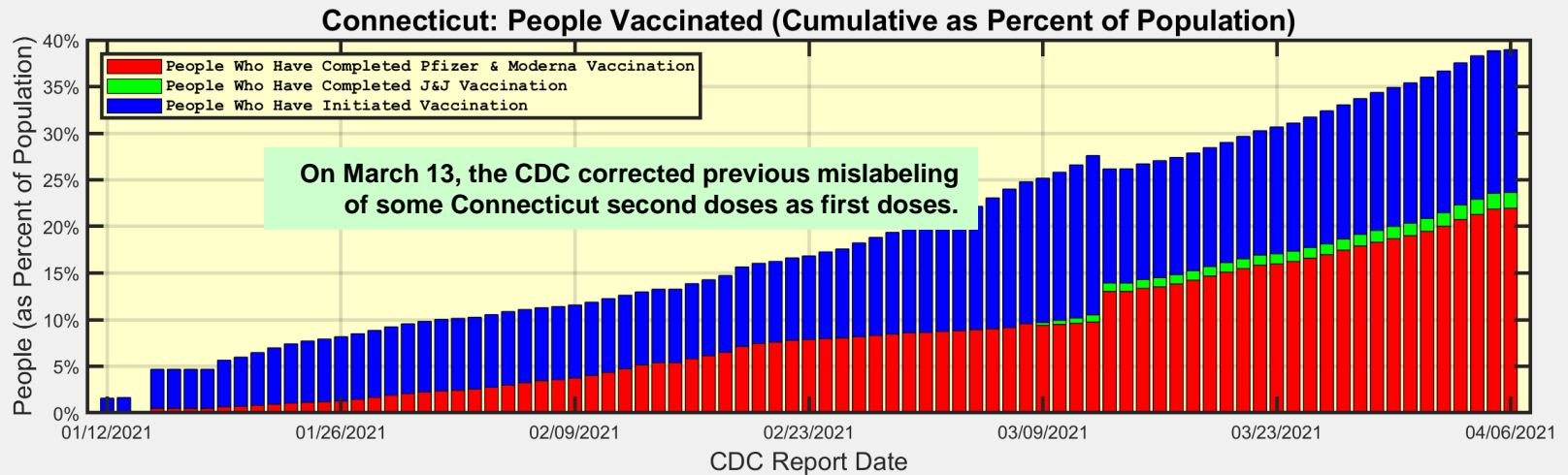
Number of Doses Administered Each Day



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



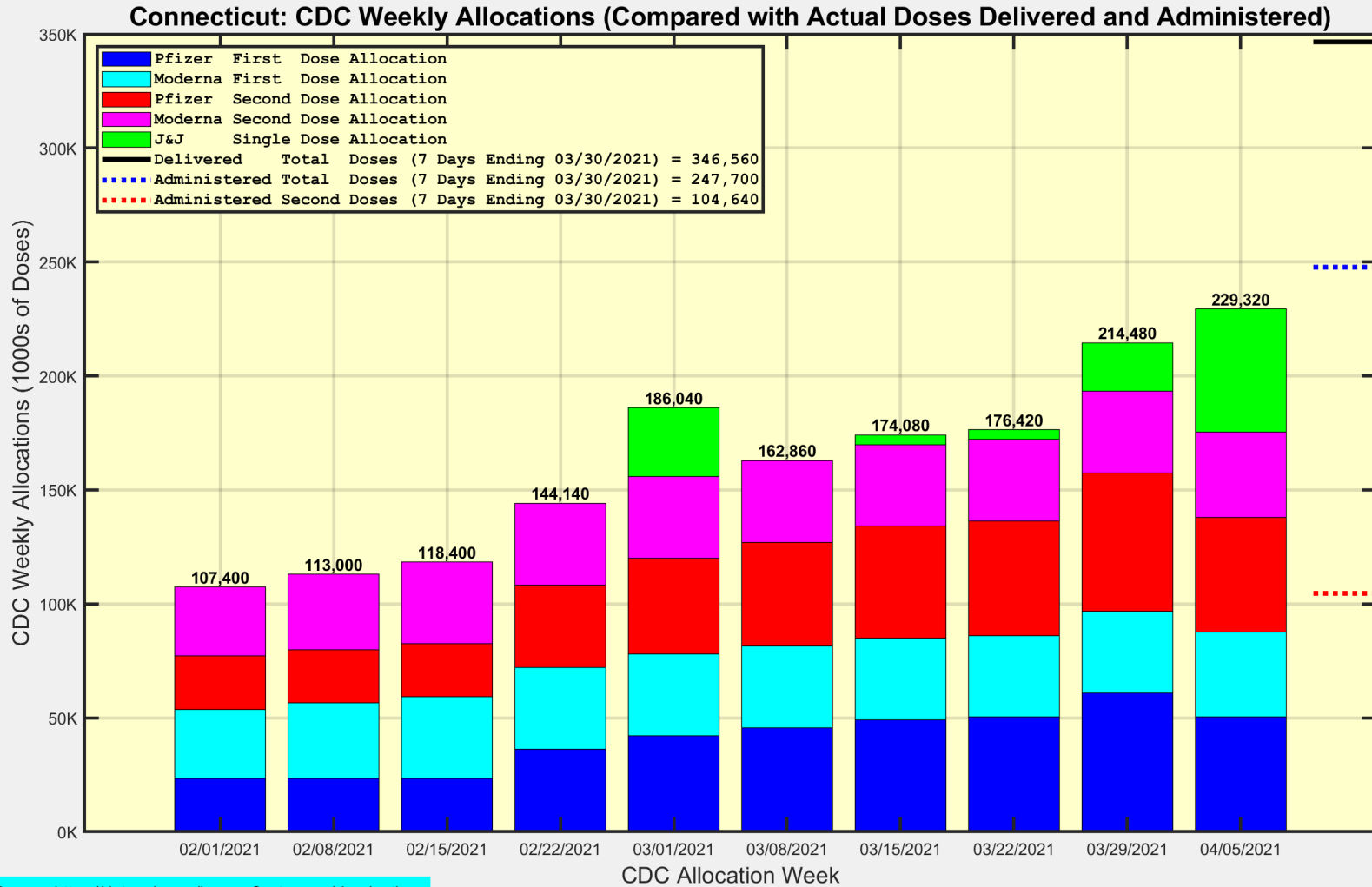
Cumulative Number of People Vaccinated (as Percent of Population)



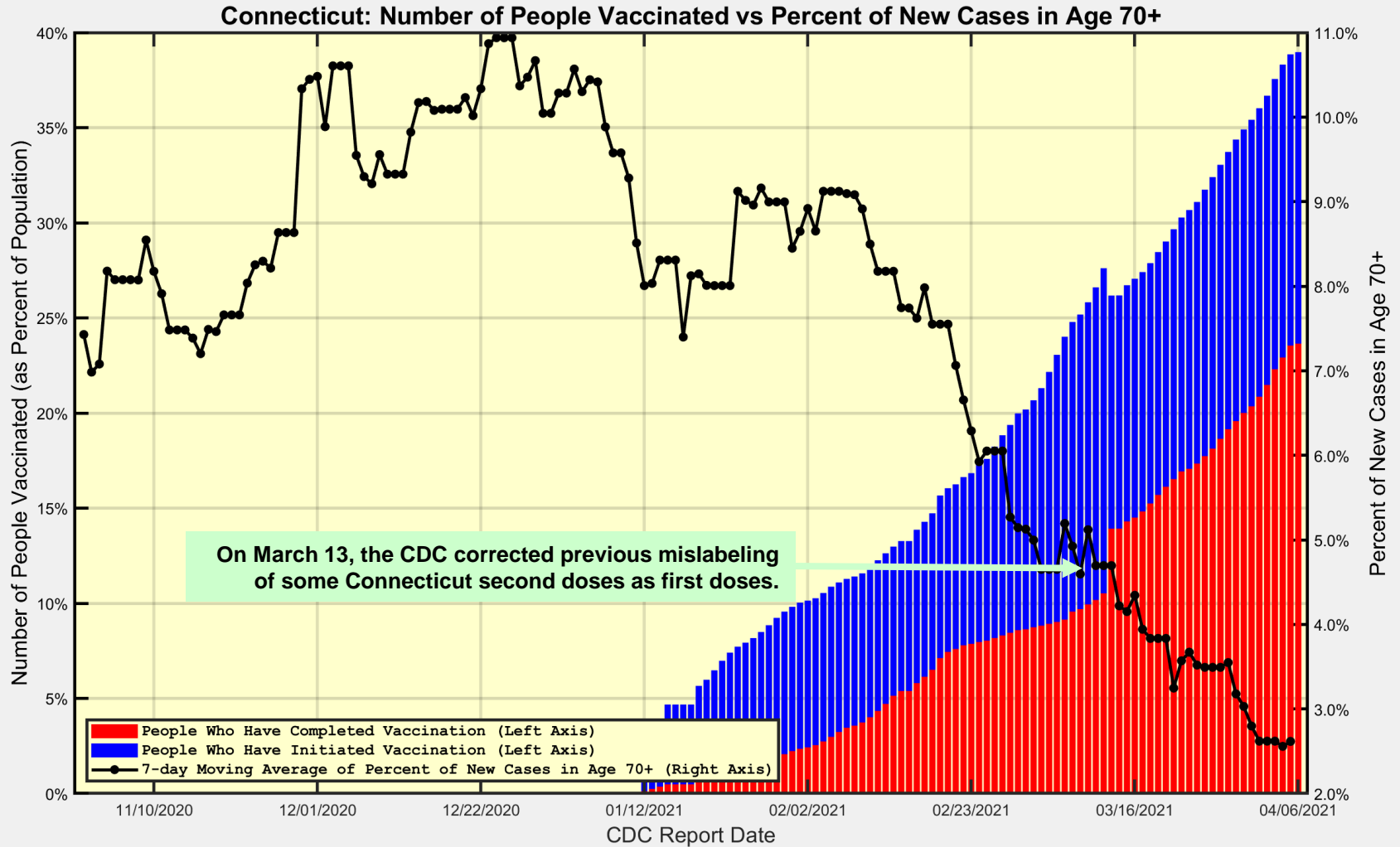
Data Source: <https://covid.cdc.gov/covid-data-tracker/#vaccinations>



CDC Weekly Allocations for Connecticut

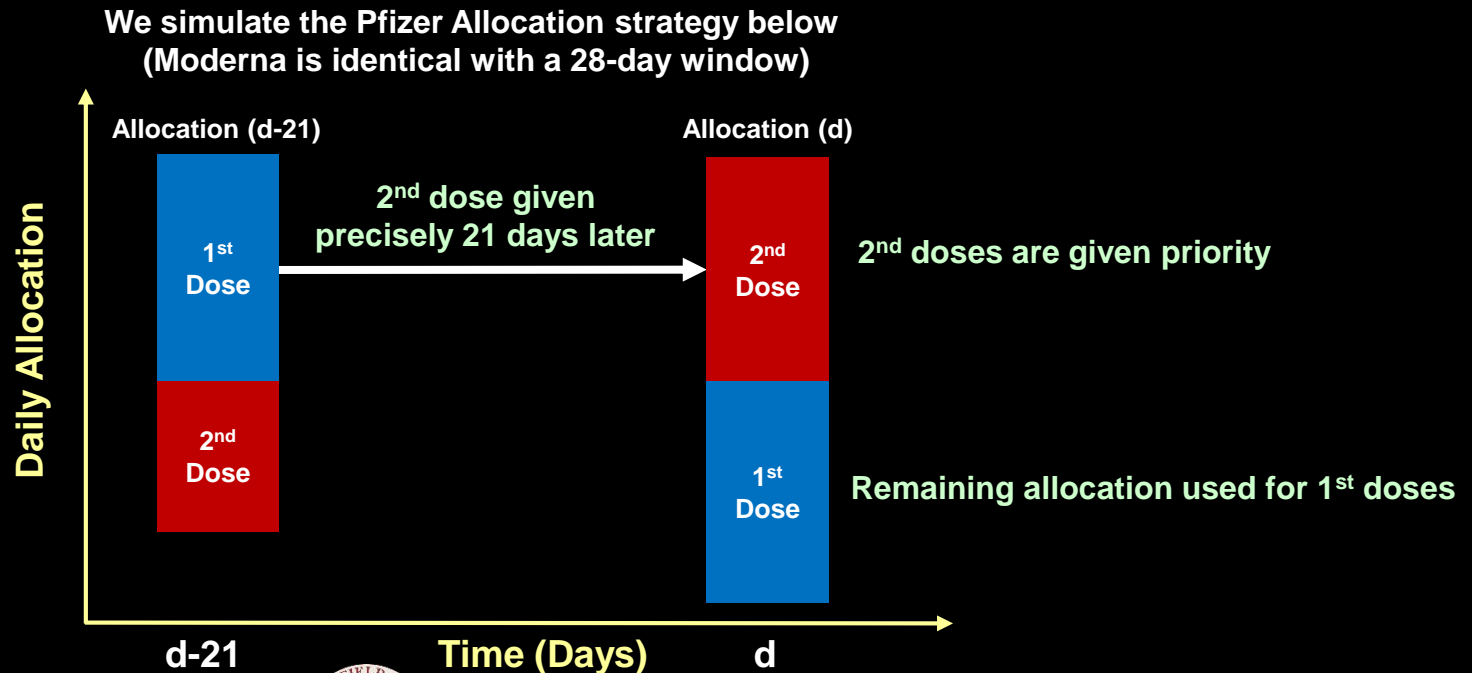


Connecticut New Cases in Age 70+ are decreasing rapidly ... this appears to be due to increased vaccinations



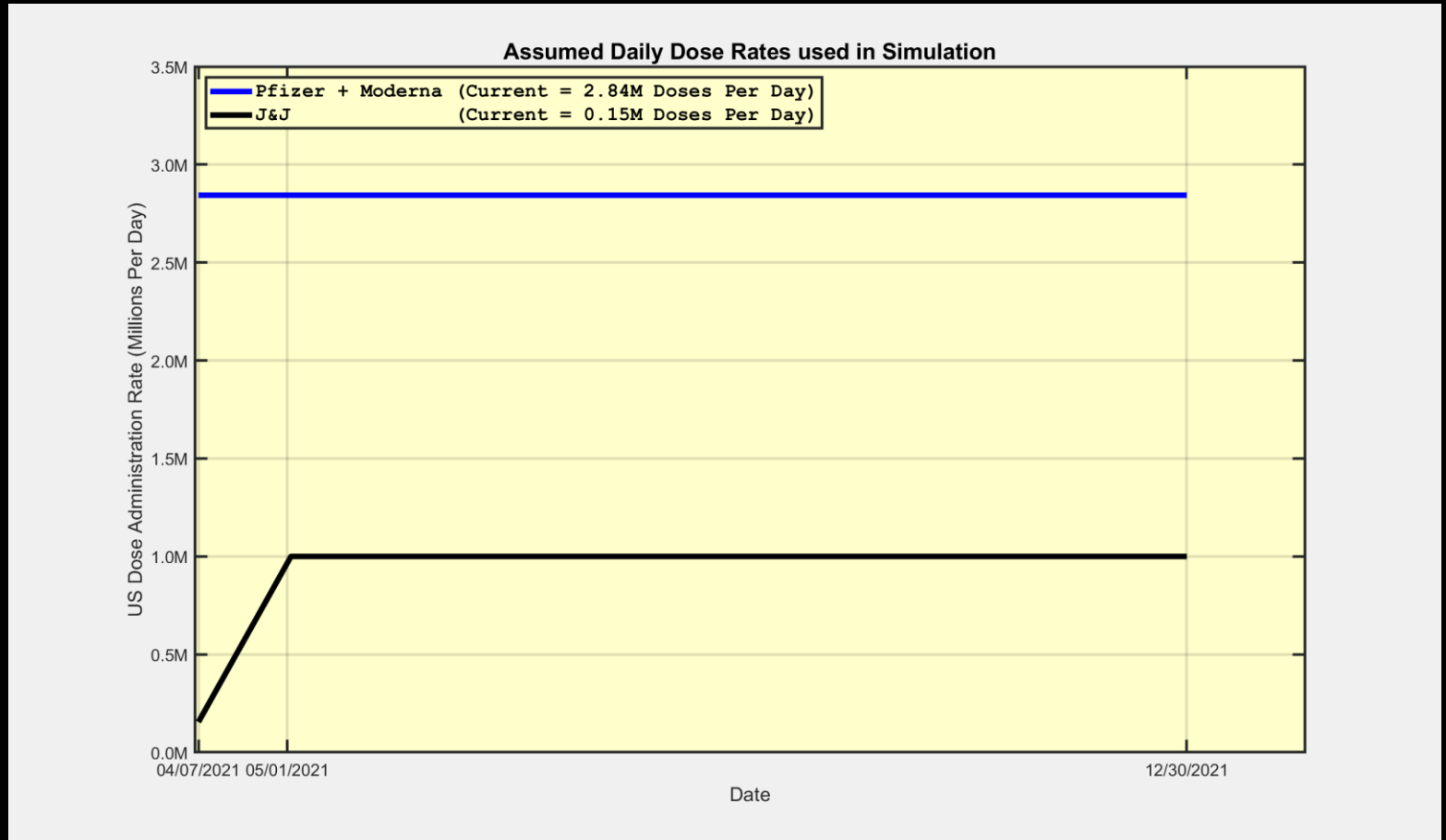
Simulation of Herd Immunity: Assumptions

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.*



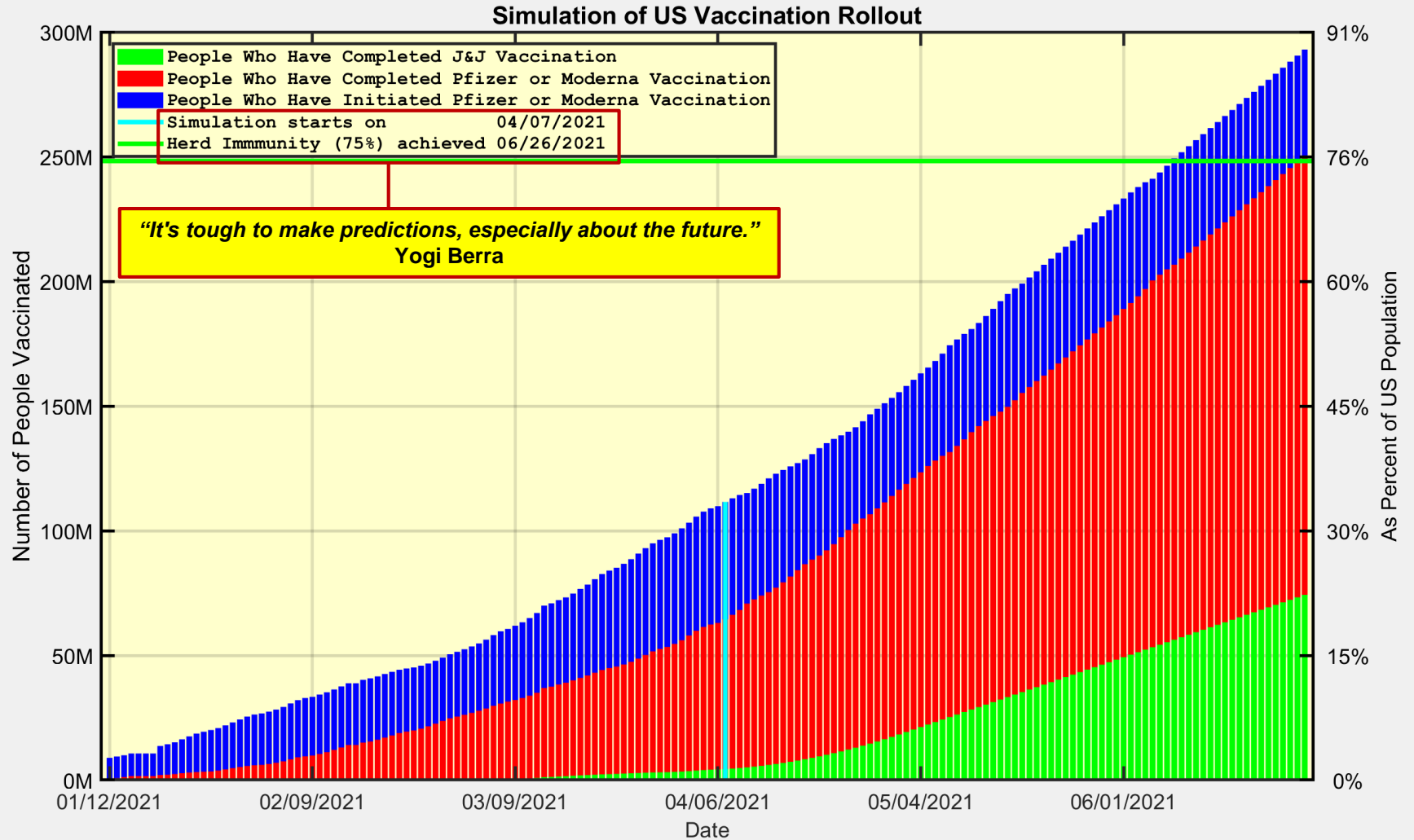
Simulation of Herd Immunity: Assumed Dose Rates

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

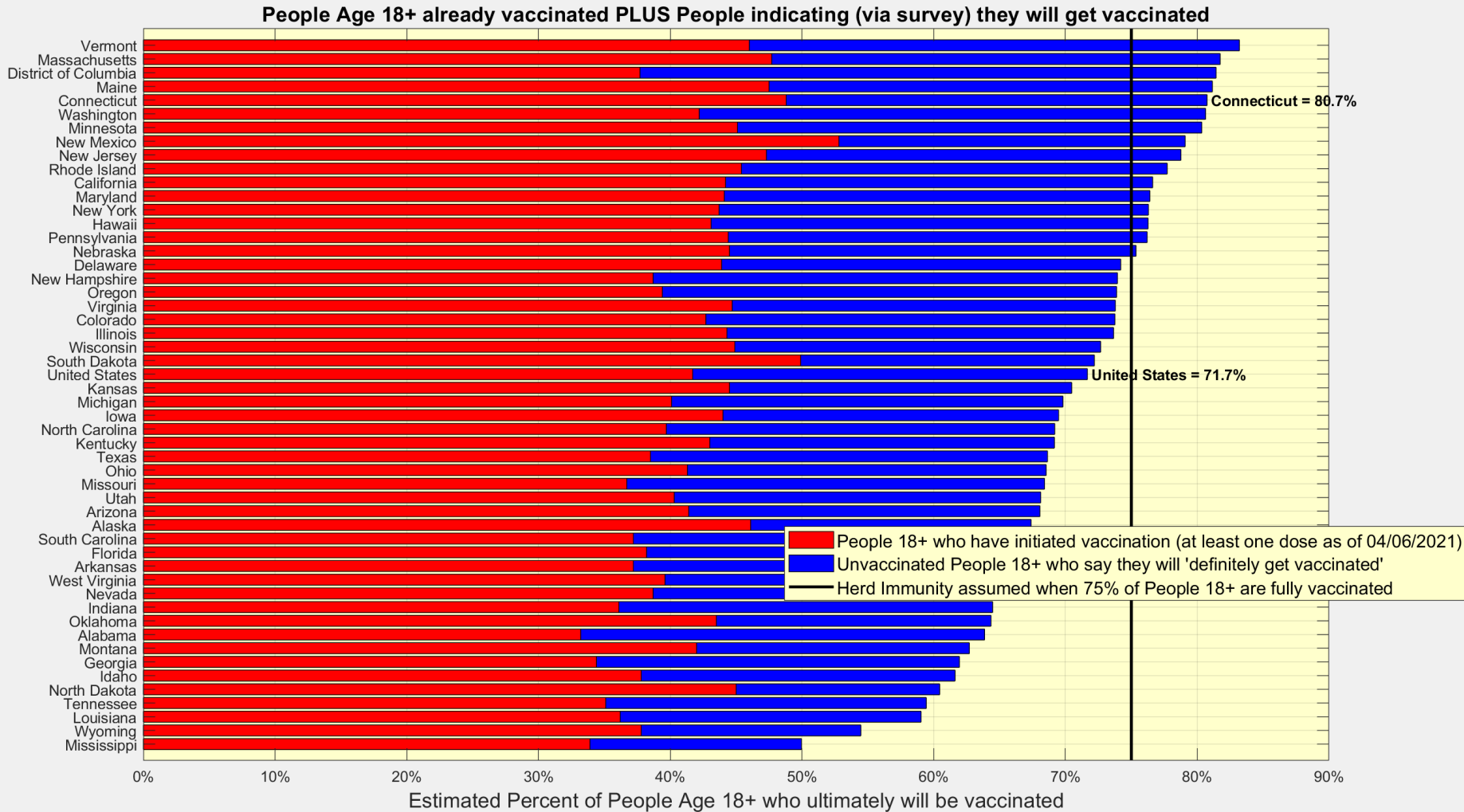


Simulation of Herd Immunity

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



Reaching Herd Immunity will be seriously challenged by Vaccine Hesitancy



Survey data from <https://www.census.gov/data-tools/demo/hhp/#/?measures=GVR>



Ridgefield COVID-19 Task Force