

# Connecticut Vaccination Summary

## Ridgefield COVID-19 Task Force



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

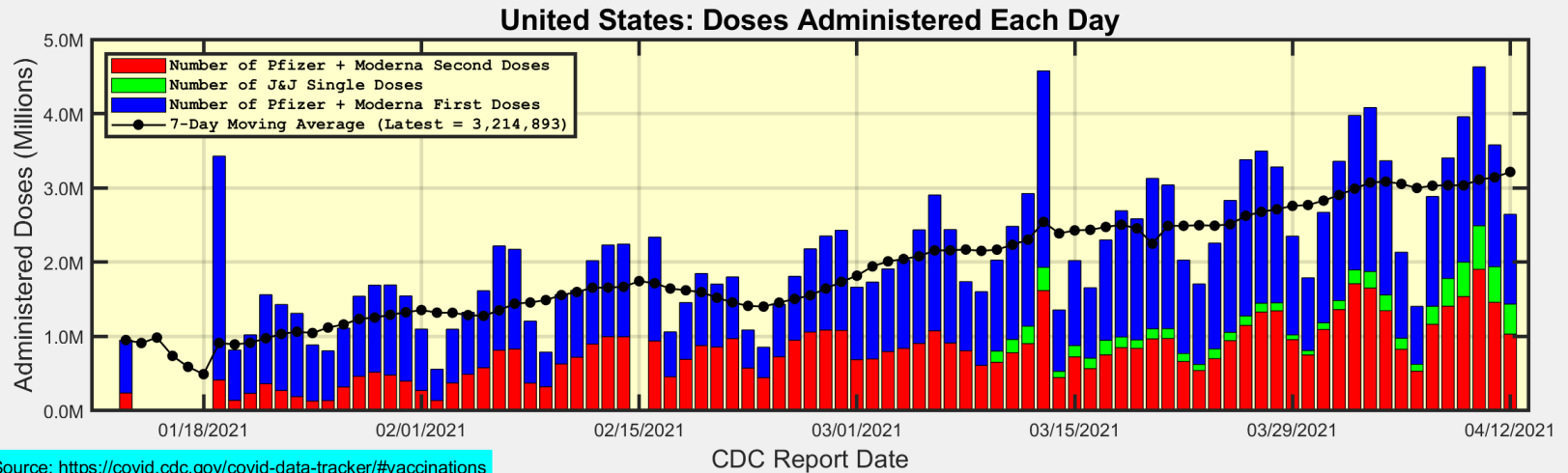
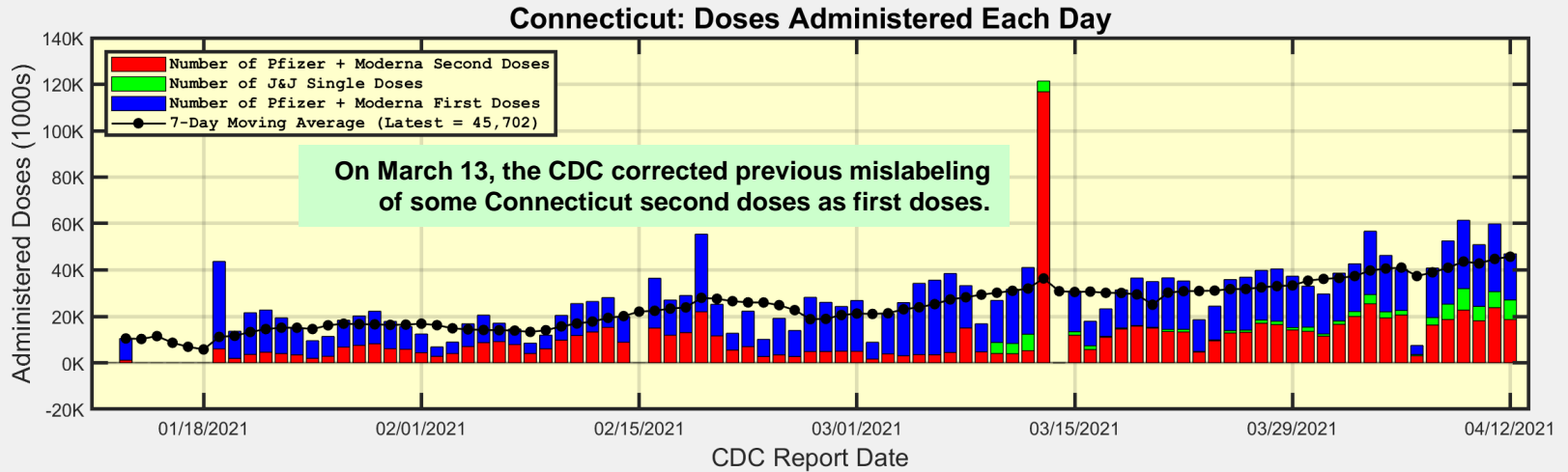
Monday, April 12, 2021

## Connecticut and US Vaccination Summary

Connecticut (as of Monday April 12, 2021)	Cumulative	Daily
Doses Delivered	2,991,235	59,103
Doses Administered	2,498,626	45,702
Percent of Population Who Have Completed Vaccination	28.10%	
Connecticut Rank Among 50 States and DC	3	
Percent of Population Who Have Initiated Vaccination	44.42%	
Connecticut Rank Among 50 States and DC	3	
United States (as of Monday April 12, 2021)	Cumulative	Daily
Doses Delivered	237,796,305	4,272,130
Doses Administered	189,692,045	3,214,893
Percent of Population Who Have Completed Vaccination	22.38%	
Percent of Population Who Have Initiated Vaccination	36.51%	
Data Source: <a href="https://covid.cdc.gov/covid-data-tracker/#vaccinations">https://covid.cdc.gov/covid-data-tracker/#vaccinations</a> . The Daily numbers are the most recent 7-day moving averages.		



# Number of Doses Administered Each Day

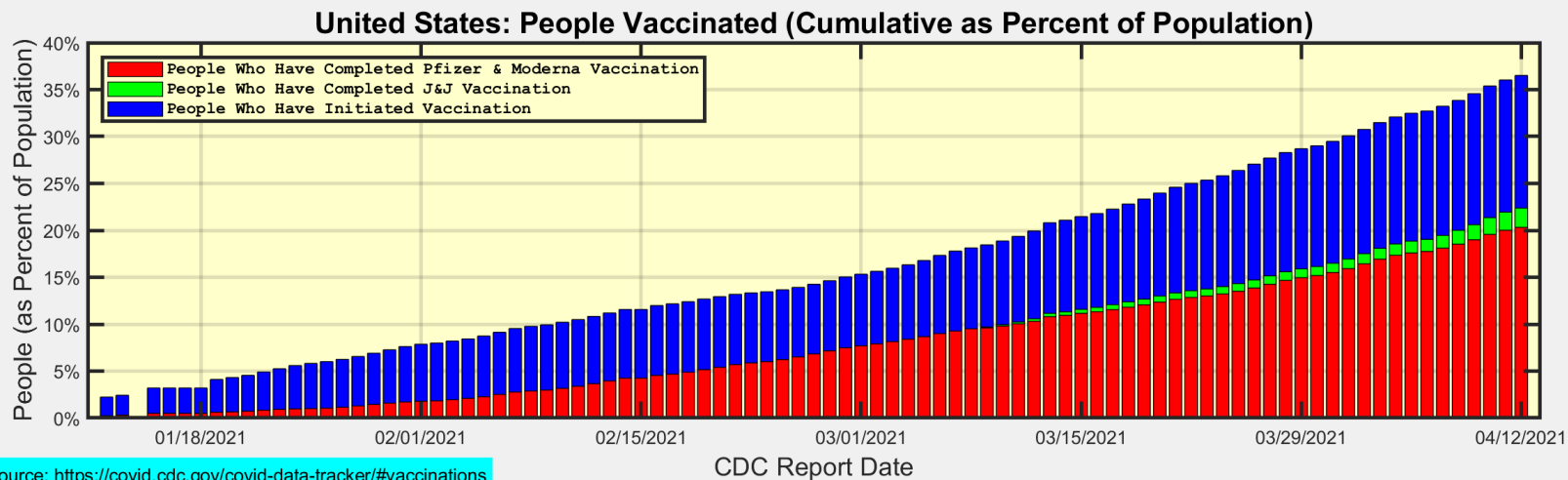
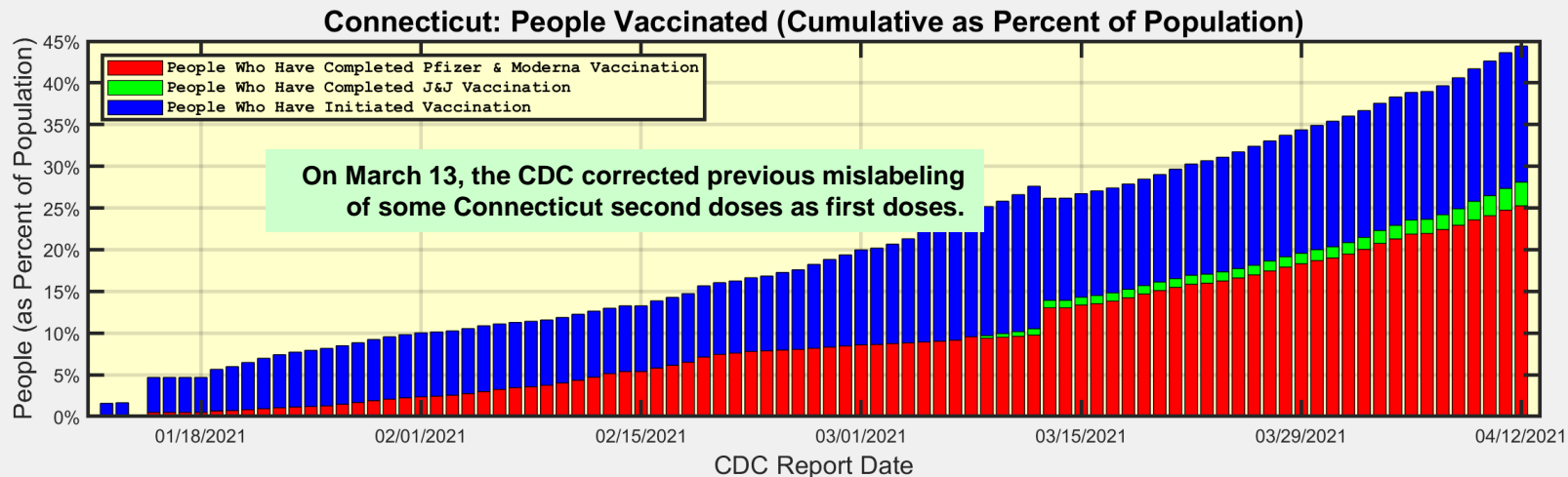


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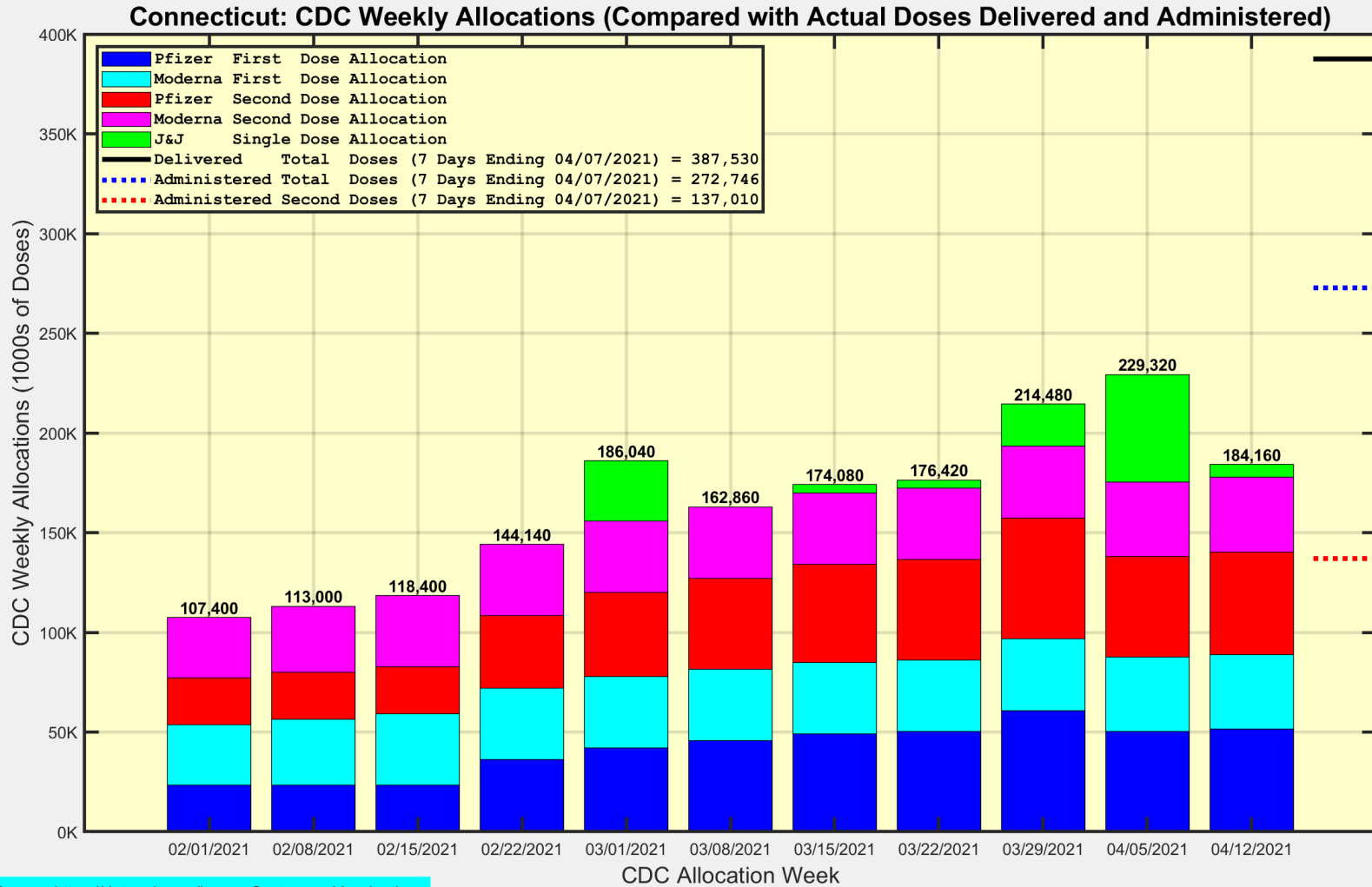
# Cumulative Number of People Vaccinated (as Percent of Population)



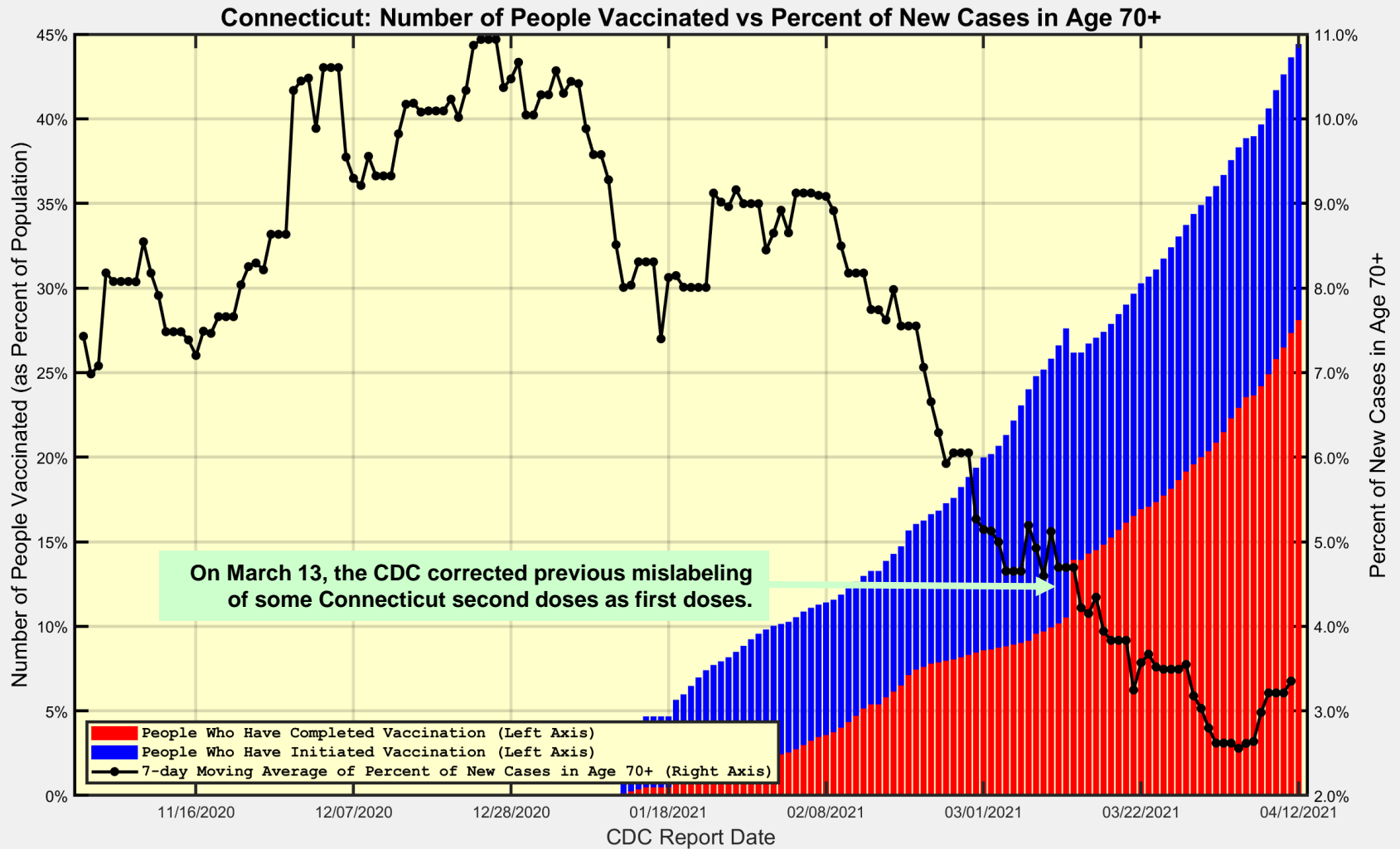
Data Source: <https://covid.cdc.gov/covid-data-tracker/#vaccinations>



# CDC Weekly Allocations for Connecticut

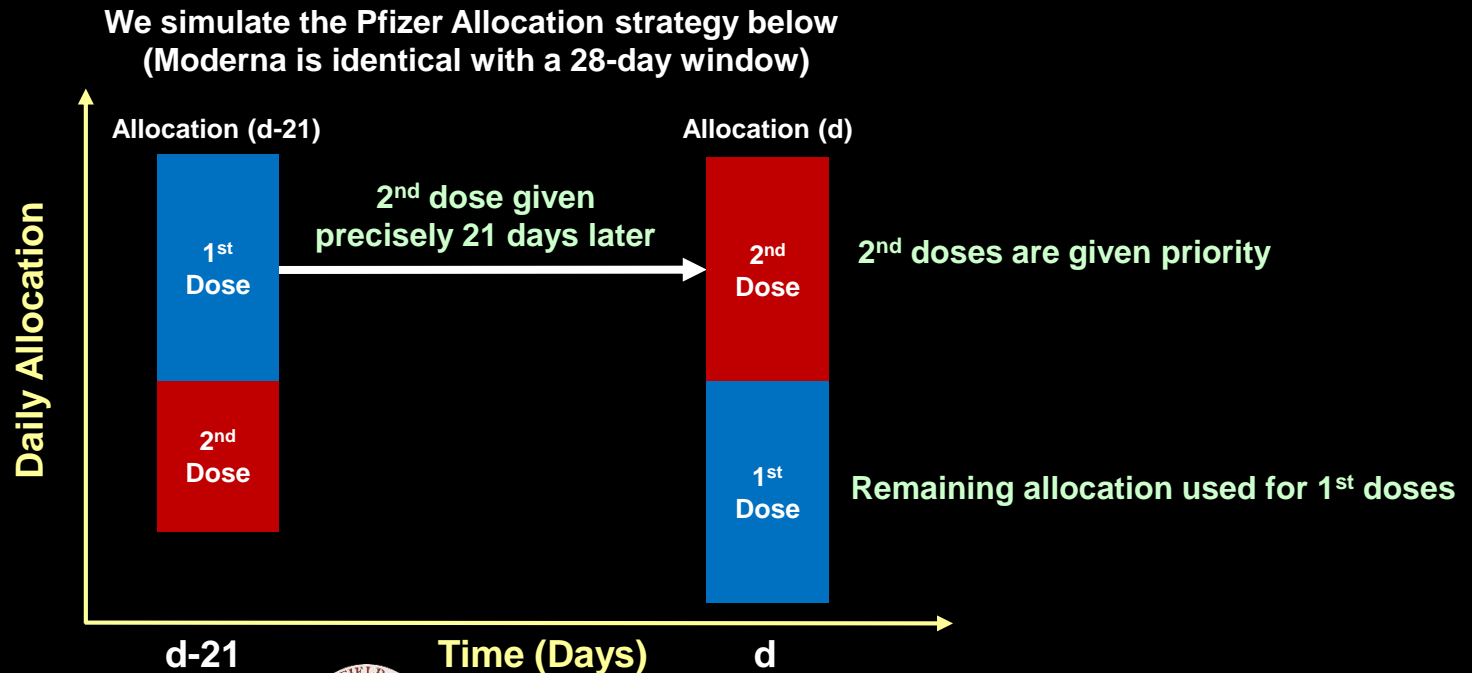


# Connecticut New Cases in Age 70+ are decreasing rapidly ... this appears to be due to increased vaccinations



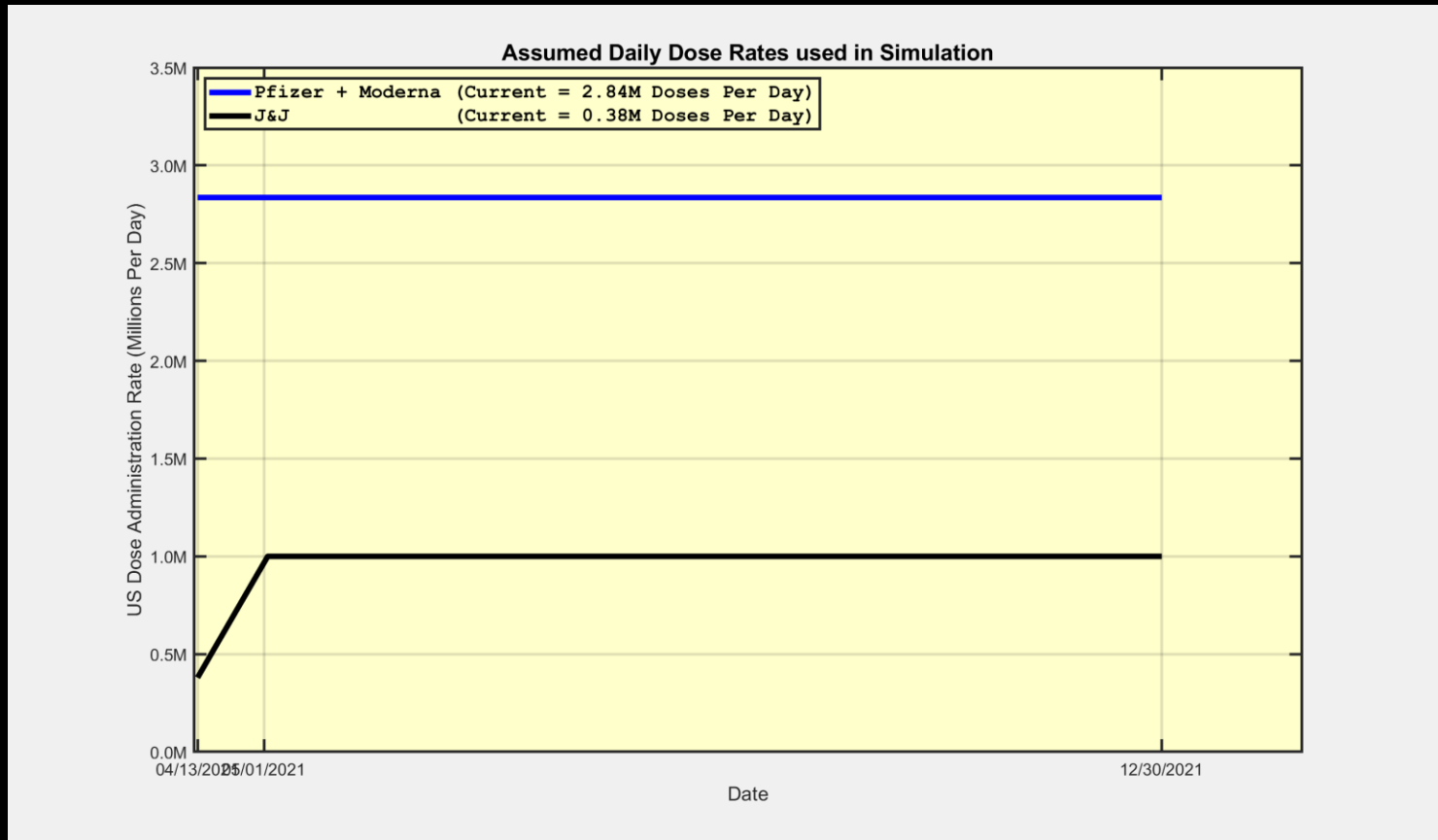
## Simulation of Herd Immunity: Assumptions

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 2<sup>nd</sup> dose (21 or 28 days after 1<sup>st</sup> dose) will *receive it on the required day.*
5. Doses remaining after administering *all required 2<sup>nd</sup> doses are administered as 1<sup>st</sup> 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

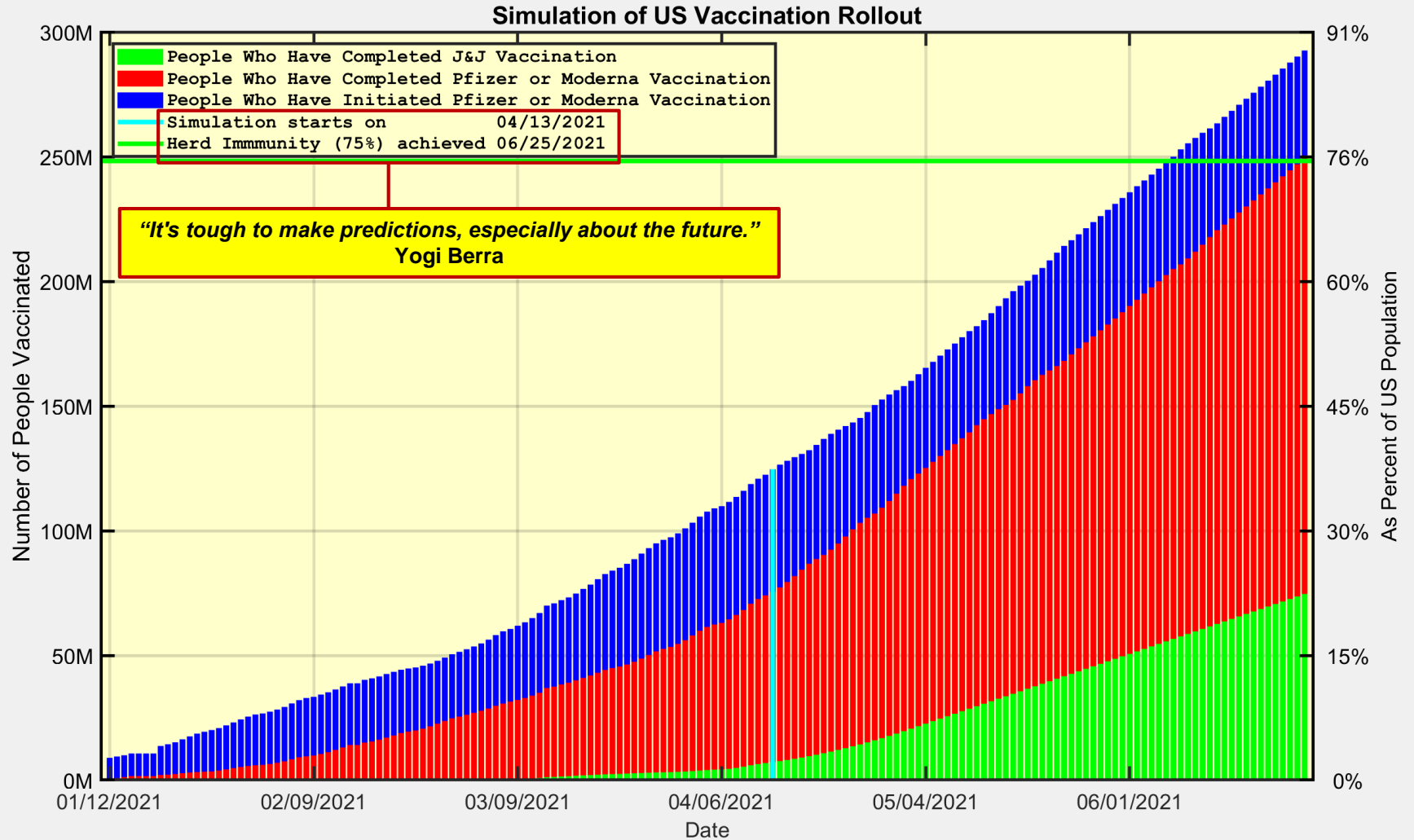
1. The US Pfizer + Moderna dose rates remain at current levels
2. The Johnson & Johnson dose rate ramps up from current level to 1M doses per day on May 1



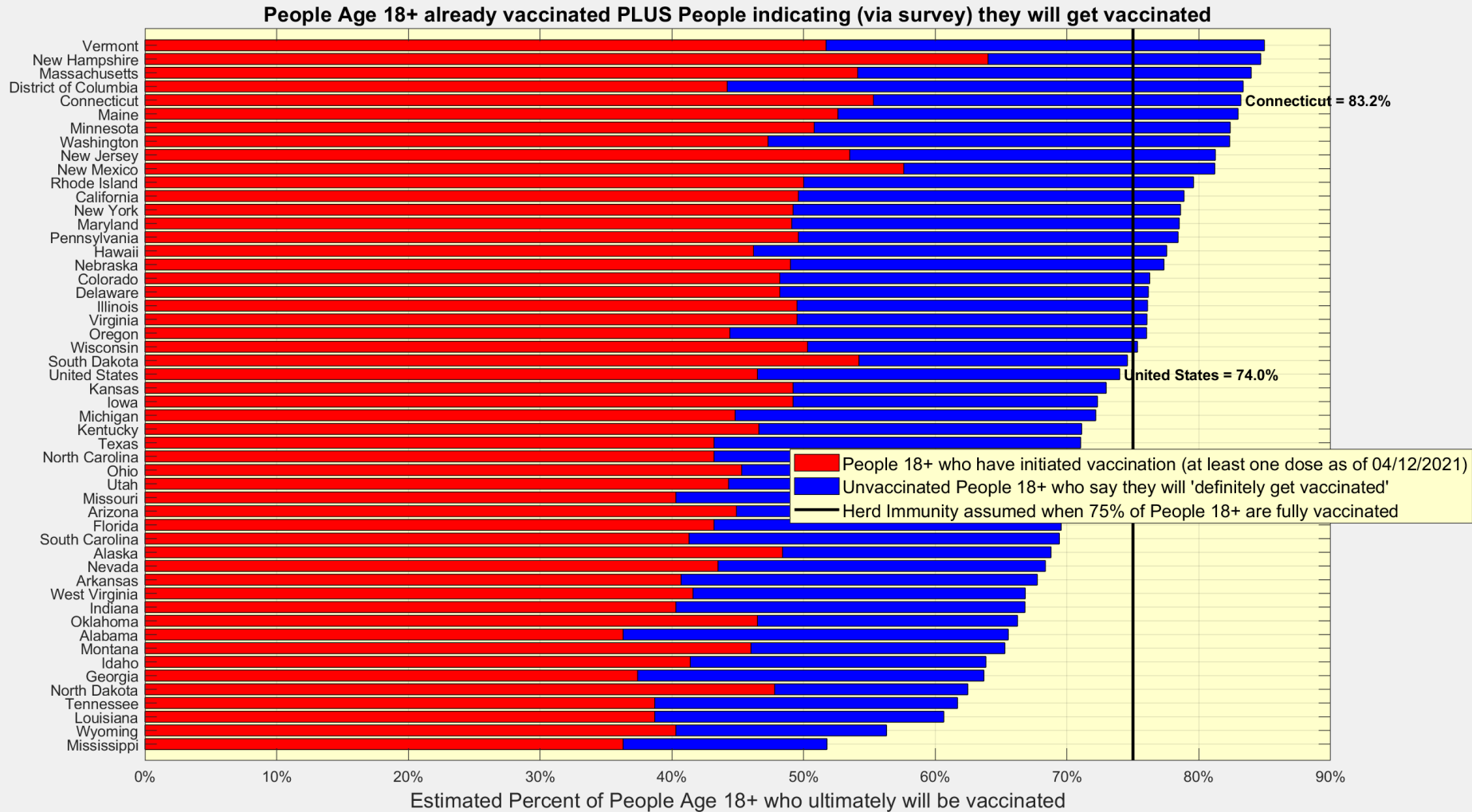


# Simulation of Herd Immunity

**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>



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