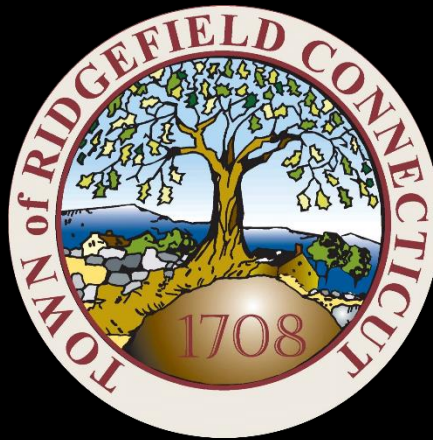


# Connecticut Vaccination Summary

## Ridgefield COVID-19 Task Force



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

Tuesday, April 13, 2021

## Connecticut and US Vaccination Summary

Connecticut (as of Tuesday April 13, 2021)	Cumulative	Daily
Doses Delivered	3,097,585	41,781
Doses Administered	2,531,669	49,356
Percent of Population Who Have Completed Vaccination	28.61%	
Connecticut Rank Among 50 States and DC	5	
Percent of Population Who Have Initiated Vaccination	44.98%	
Connecticut Rank Among 50 States and DC	4	

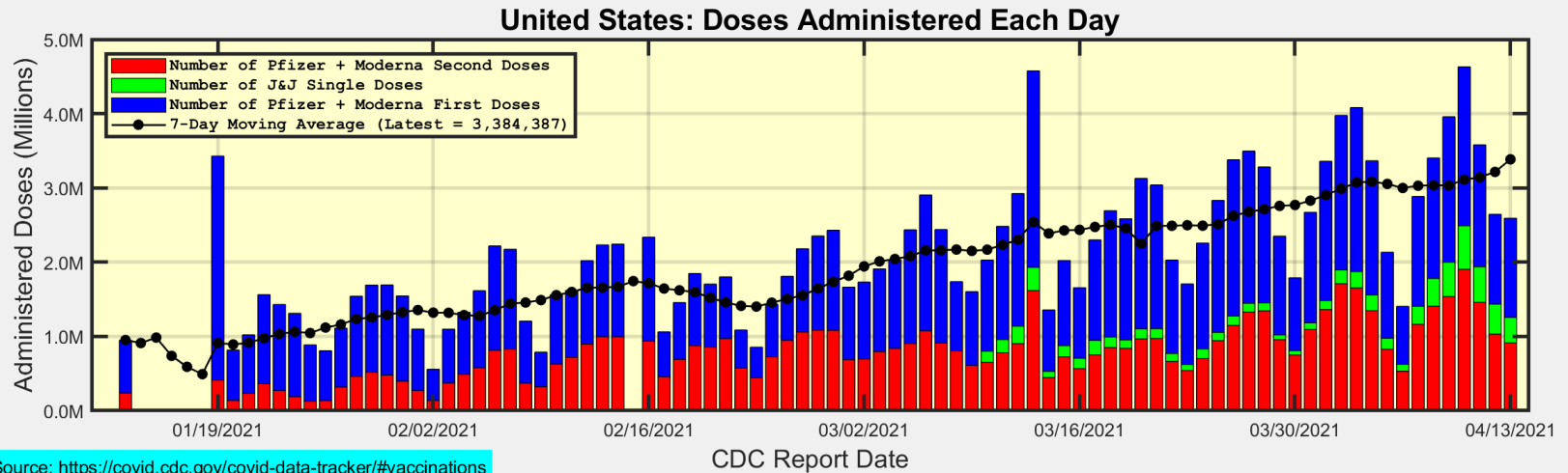
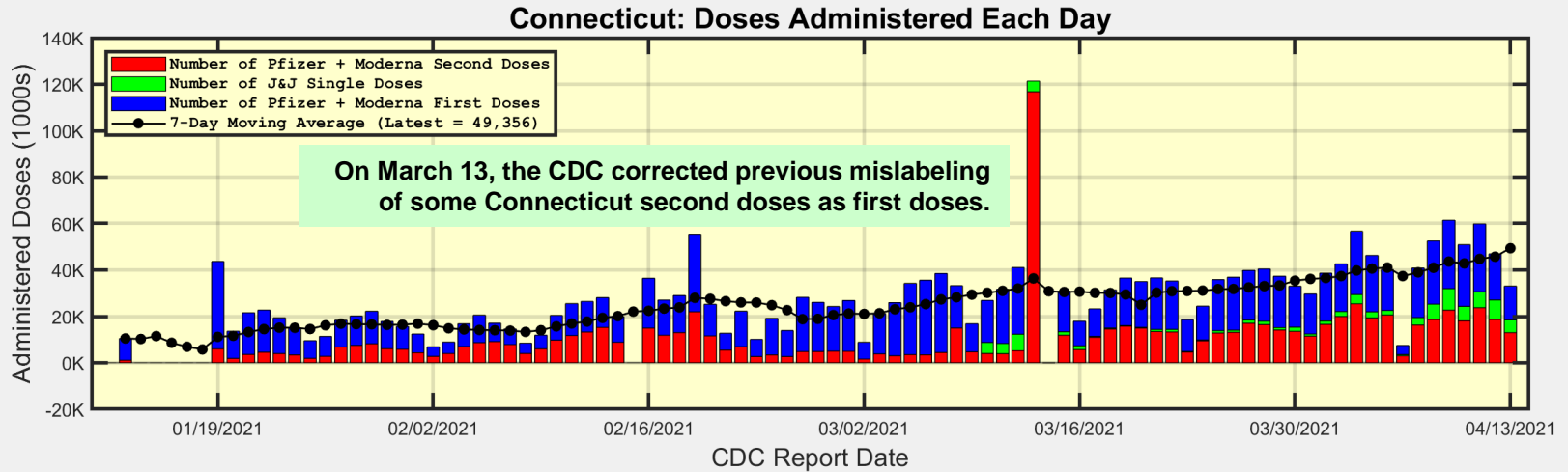
United States (as of Tuesday April 13, 2021)	Cumulative	Daily
Doses Delivered	245,364,805	3,738,656
Doses Administered	192,282,781	3,384,387
Percent of Population Who Have Completed Vaccination	22.76%	
Percent of Population Who Have Initiated Vaccination	36.95%	

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

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



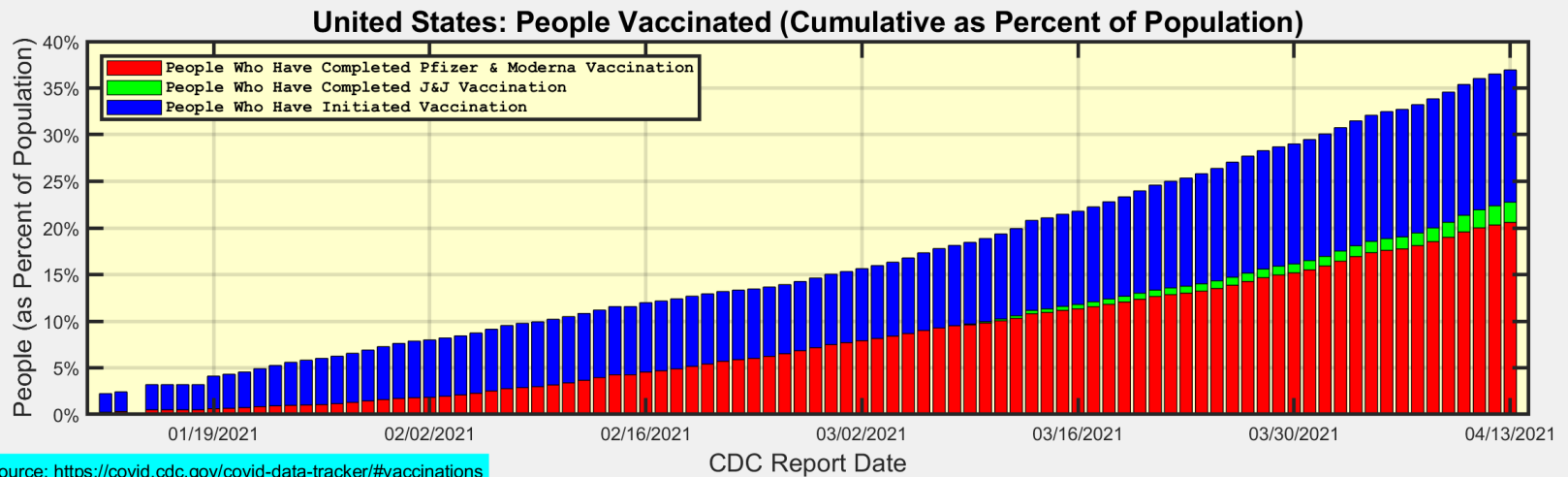
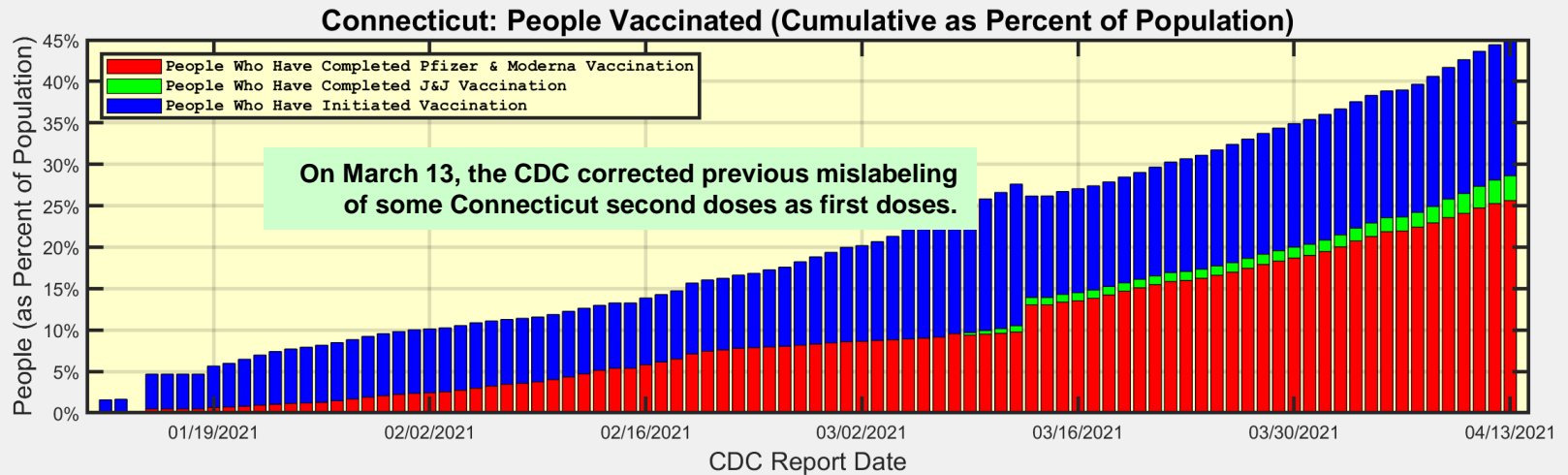
# Number of Doses Administered Each Day



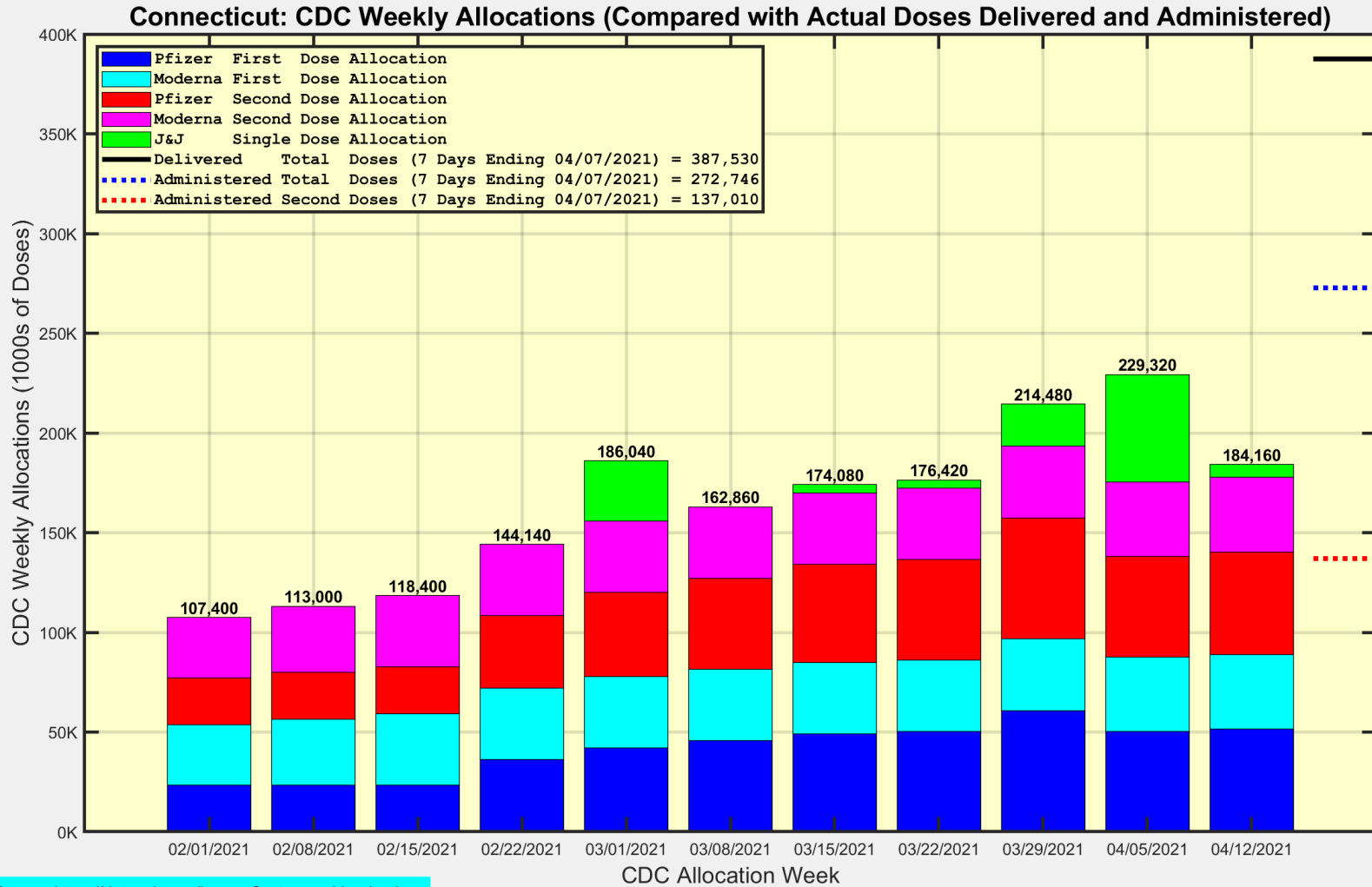
Data Source: <https://covid.cdc.gov/covid-data-tracker/#vaccinations>



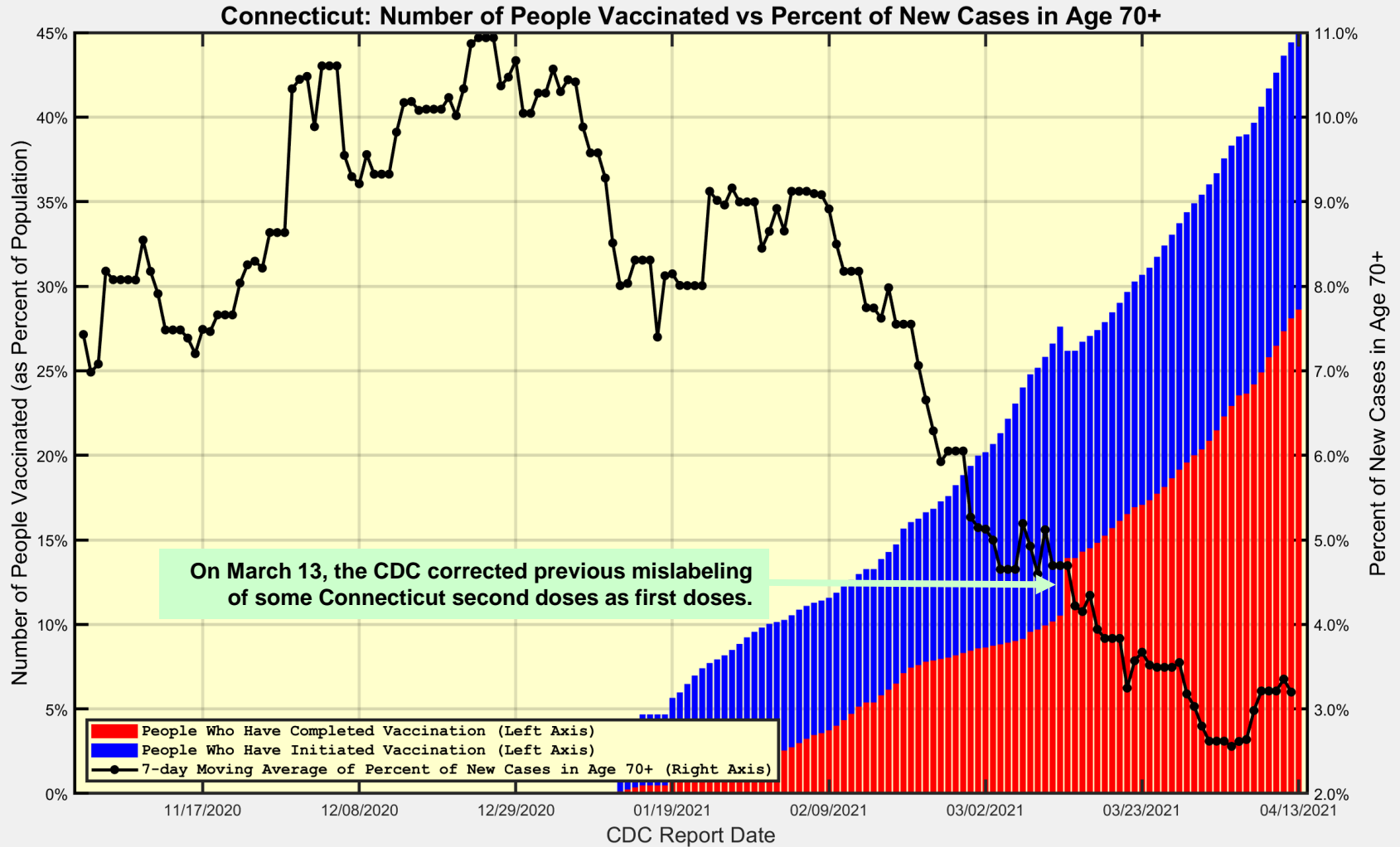
# Cumulative Number of People Vaccinated (as Percent of Population)



# CDC Weekly Allocations for Connecticut

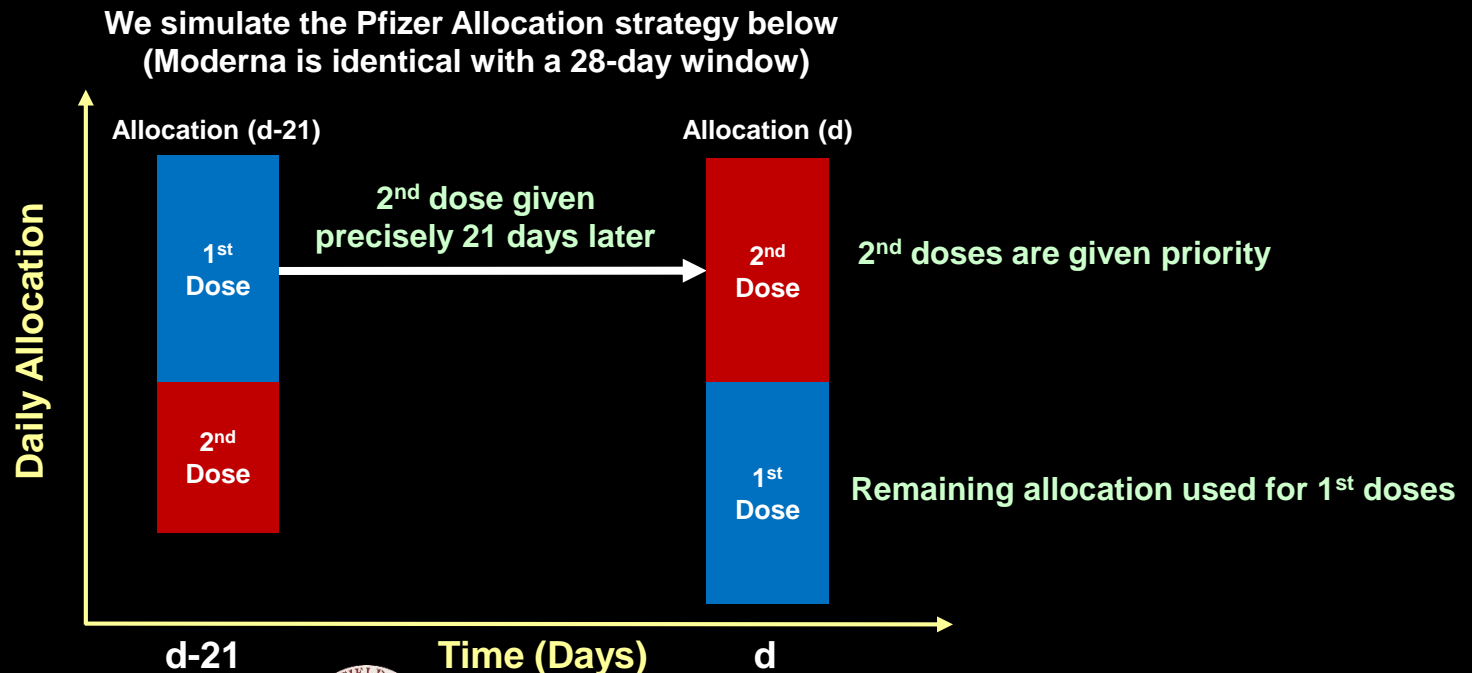


# Connecticut New Cases in Age 70+ are decreasing rapidly ... this appears to be due to increased vaccinations



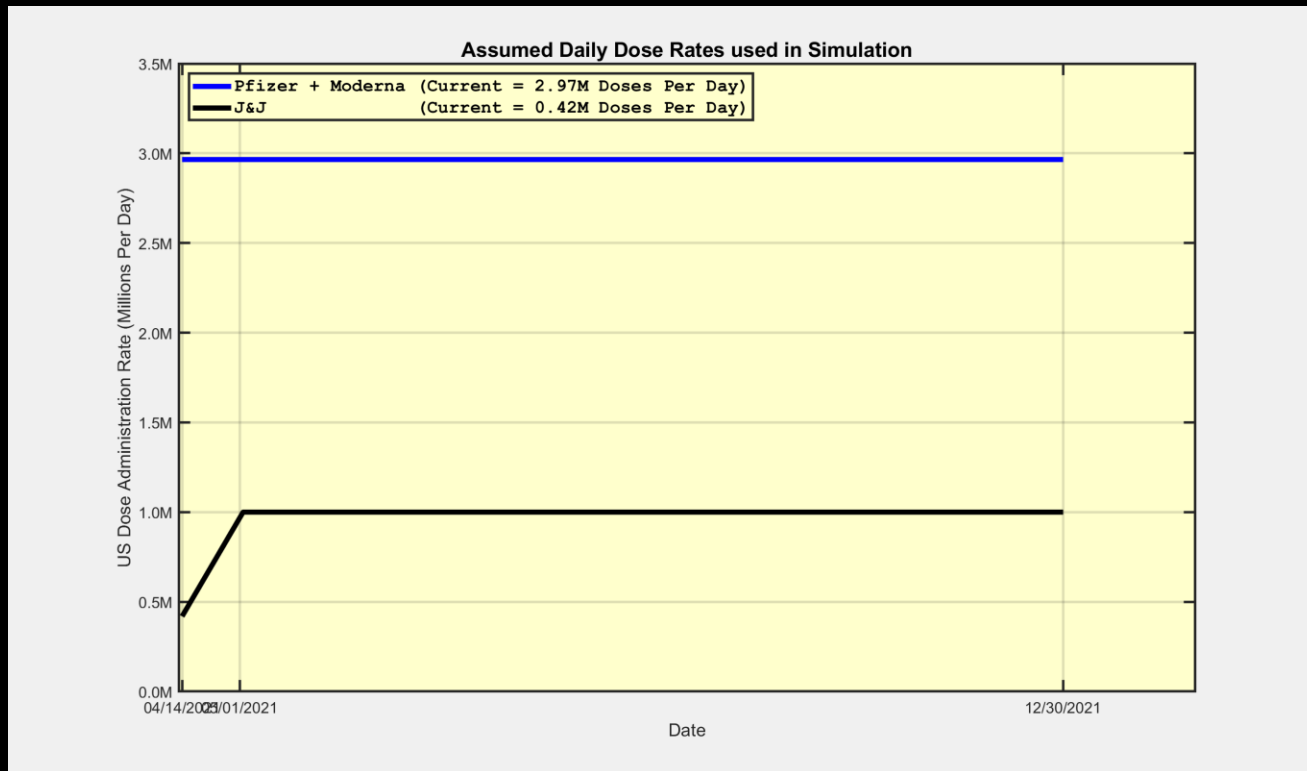
## Simulation of Herd Immunity: Assumptions

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.*



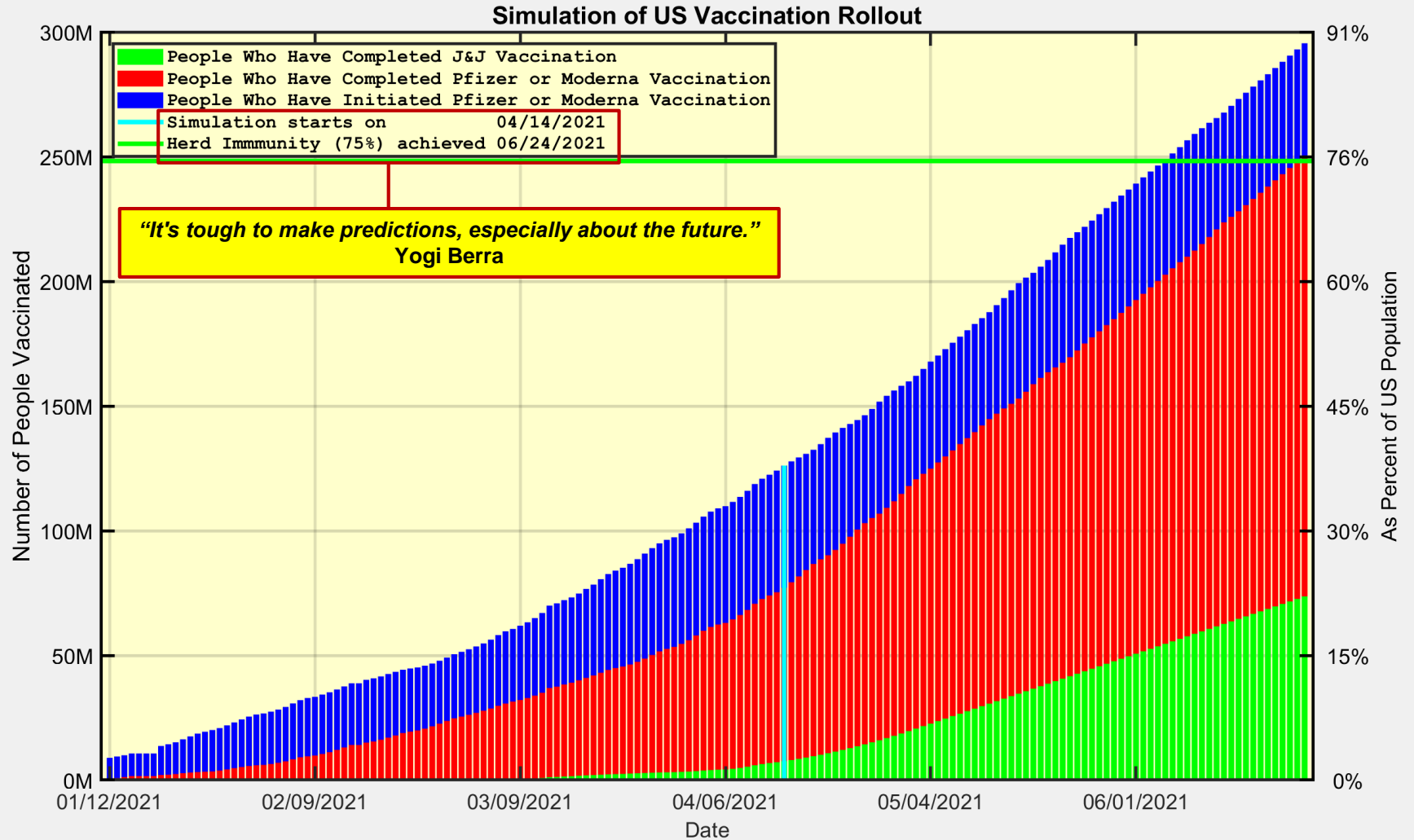
## Simulation of Herd Immunity: Assumed Dose Rates

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
  - ▶ **IMPORTANT NOTE:** we are not accounting for the April 13 FDA/CDC temporary halt on administering J&J vaccinations



# 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

