

# Connecticut Vaccination Summary

## Ridgefield COVID-19 Task Force



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

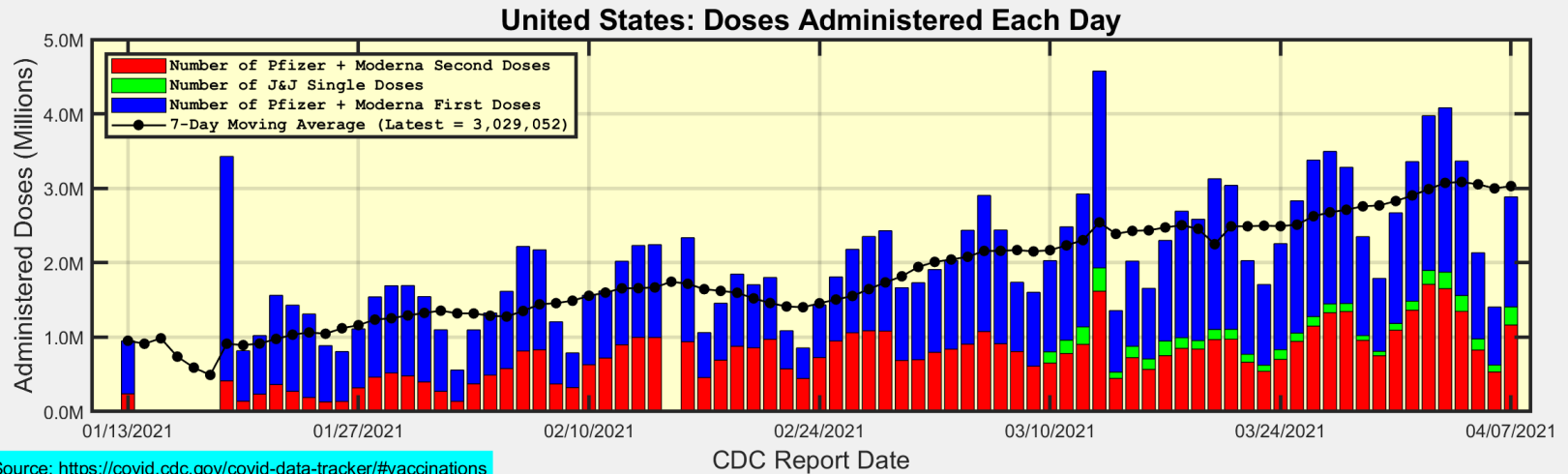
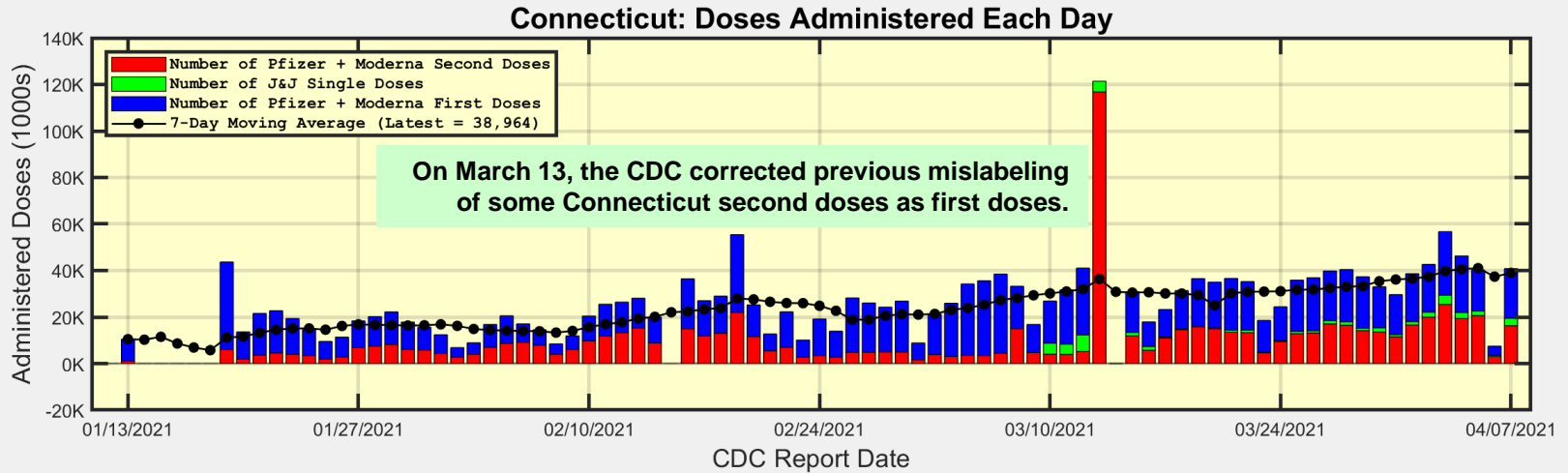
Wednesday, April 07, 2021

## Connecticut and US Vaccination Summary

| Connecticut (as of Wednesday April 07, 2021)   | Cumulative  | Daily     |
|--|-------------|-----------|
| Doses Delivered  | 2,813,985   | 55,361    |
| Doses Administered   | 2,227,005   | 38,964    |
| Percent of Population Who Have Completed Vaccination   | 24.19%      |           |
| Connecticut Rank Among 50 States and DC  | 6           |           |
| Percent of Population Who Have Initiated Vaccination   | 39.66%      |           |
| Connecticut Rank Among 50 States and DC  | 3           |           |
|  |             |           |
| United States (as of Wednesday April 07, 2021)   | Cumulative  | Daily     |
| Doses Delivered  | 225,294,435 | 4,244,673 |
| Doses Administered   | 171,476,655 | 3,029,052 |
| Percent of Population Who Have Completed Vaccination   | 19.46%      |           |
| Percent of Population Who Have Initiated Vaccination   | 33.23%      |           |
| 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

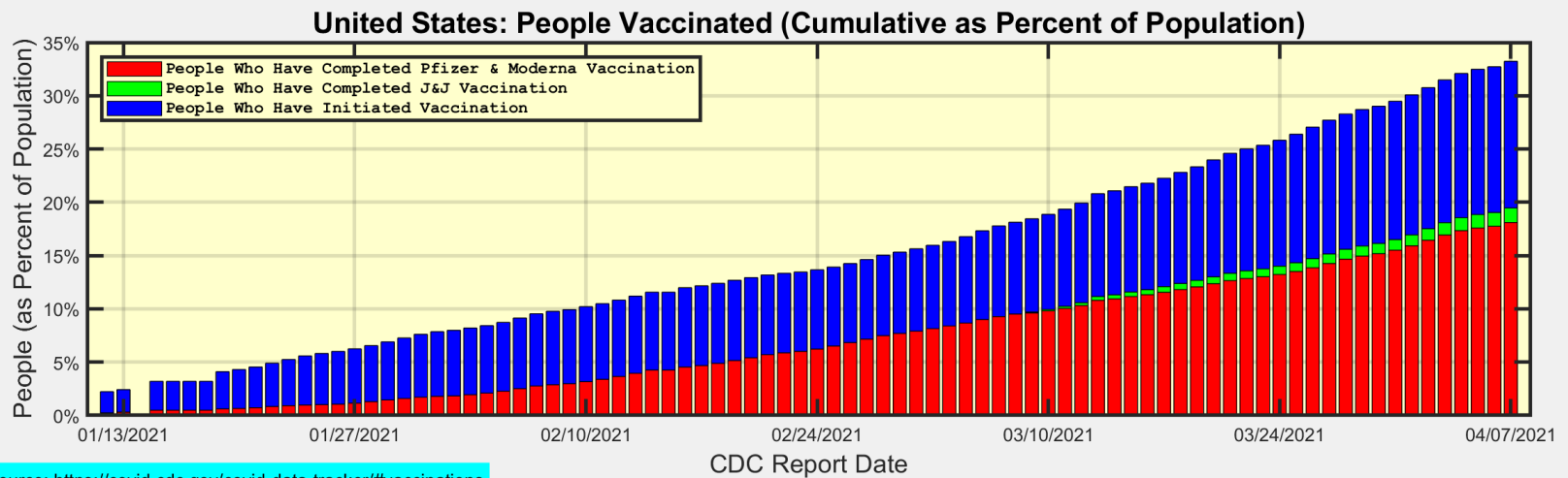
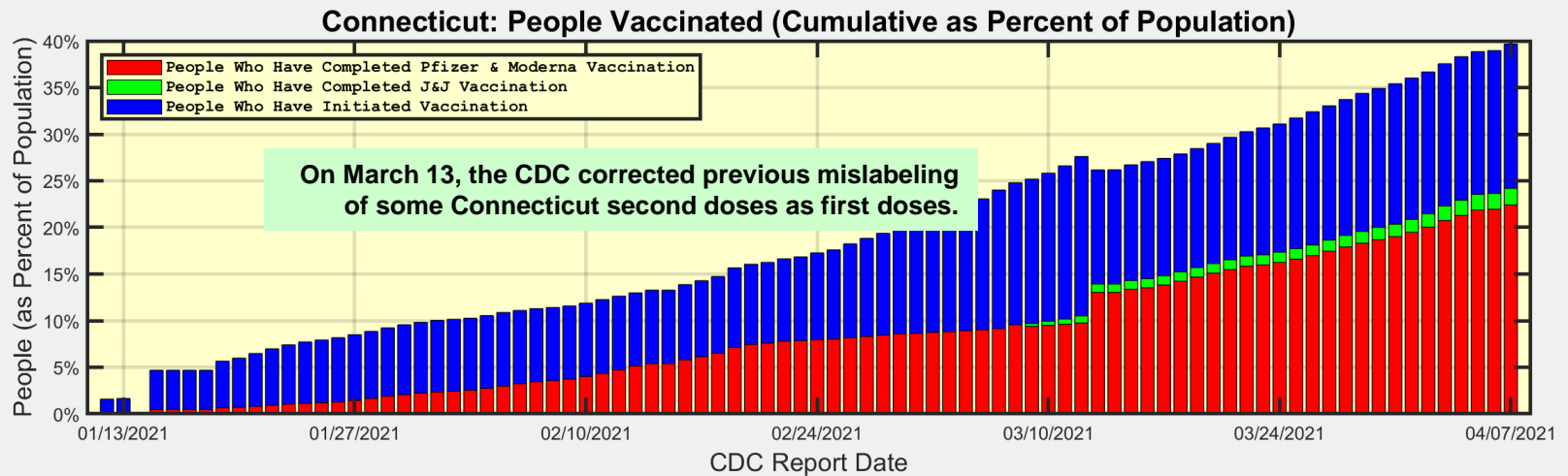


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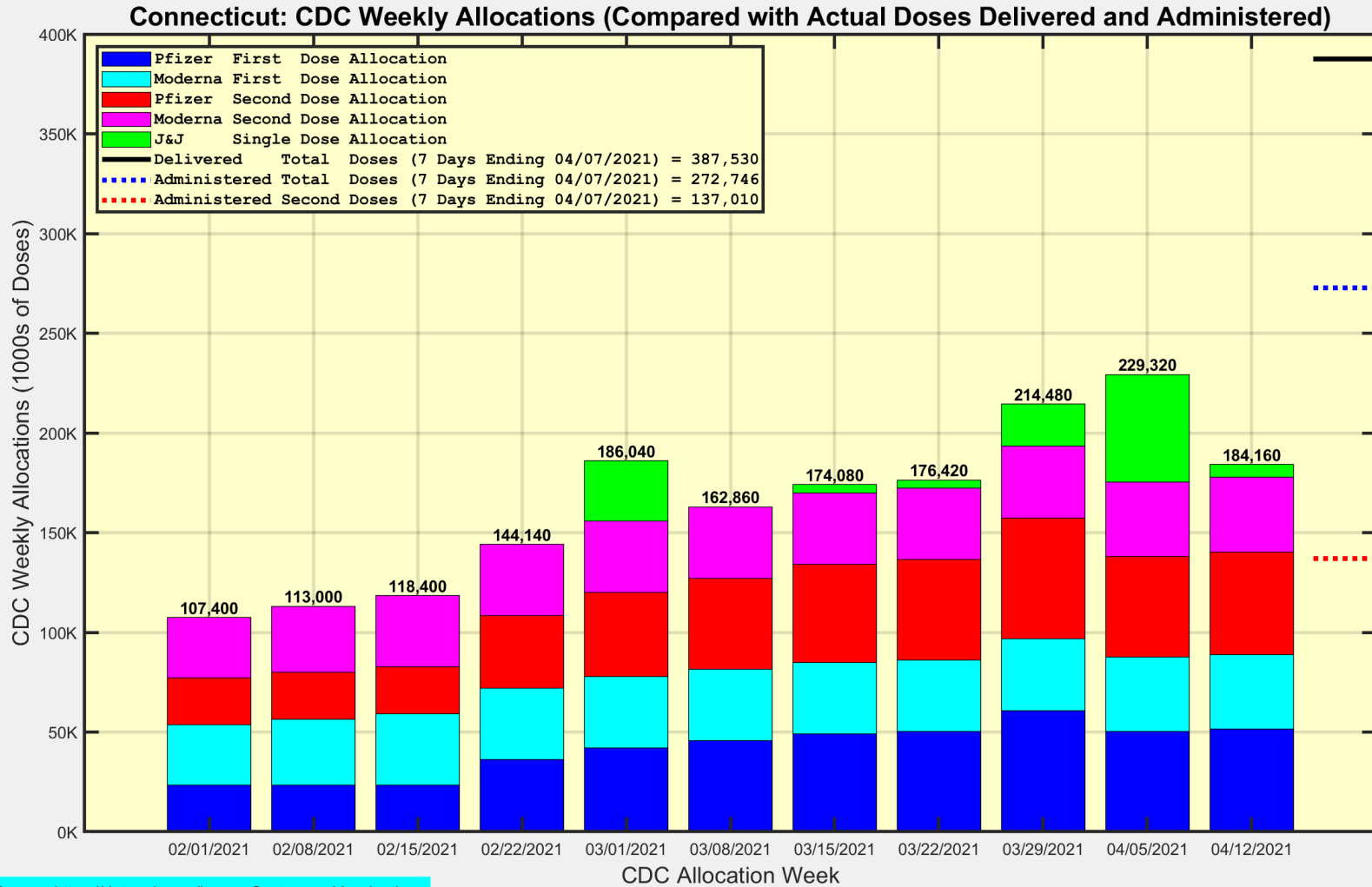
# Cumulative Number of People Vaccinated (as Percent of Population)



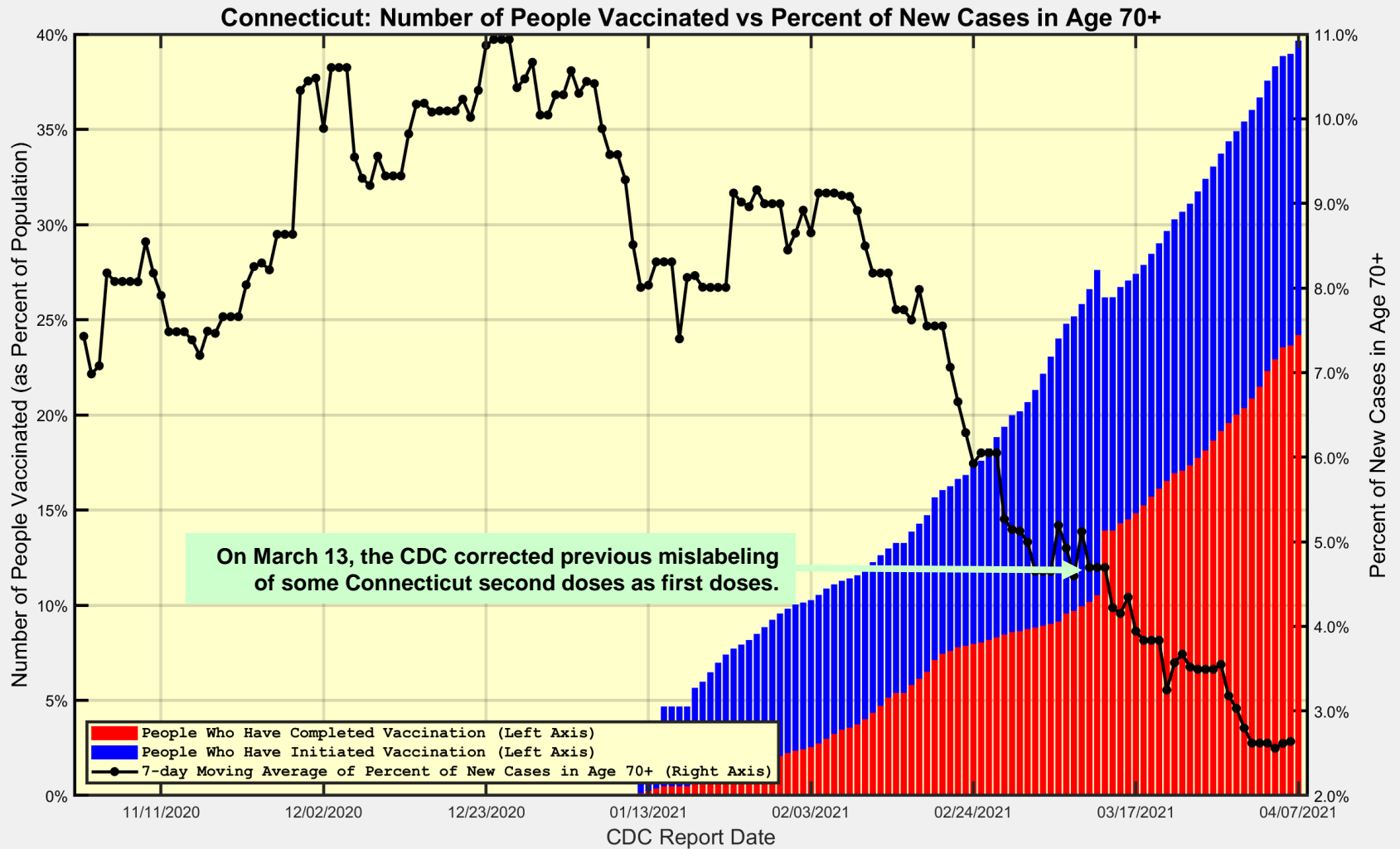
Data Source: <https://covid.cdc.gov/covid-data-tracker/#vaccinations>



# CDC Weekly Allocations for Connecticut

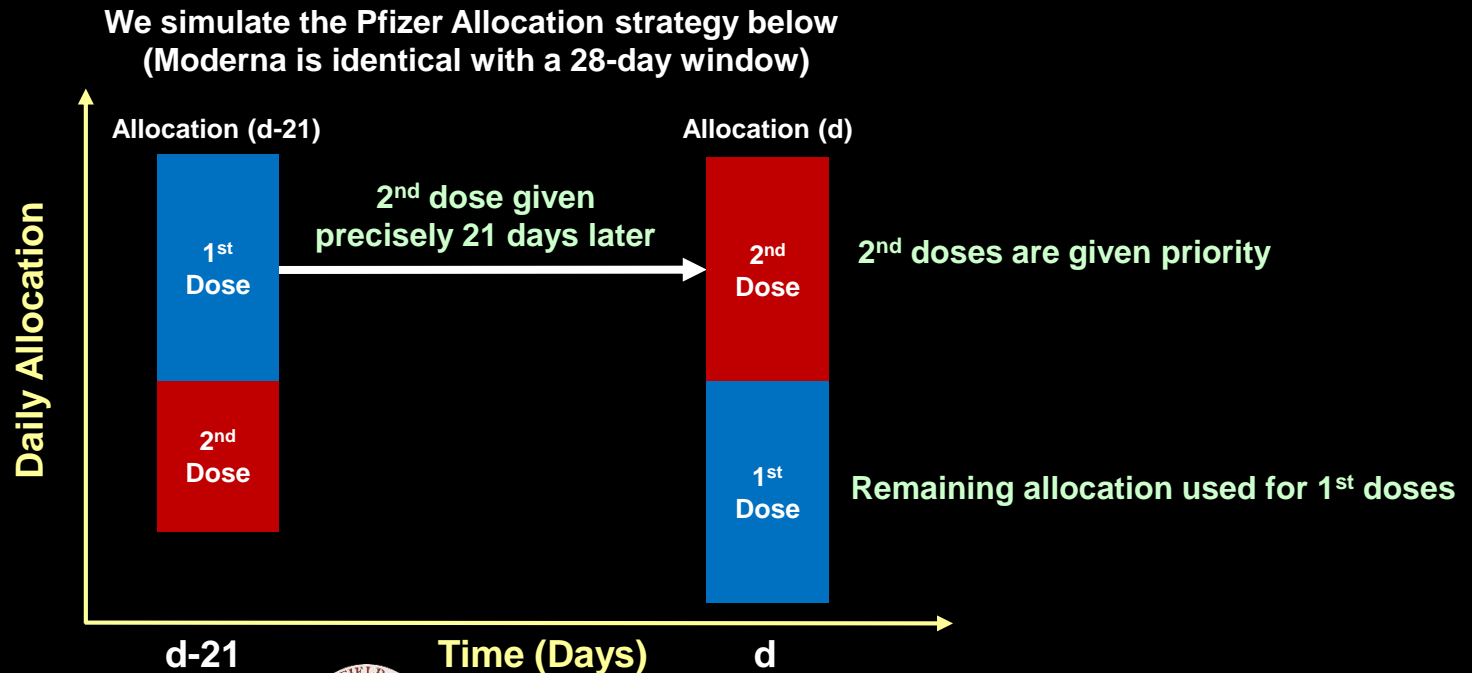


# Connecticut New Cases in Age 70+ are decreasing rapidly ... this appears to be due to increased vaccinations



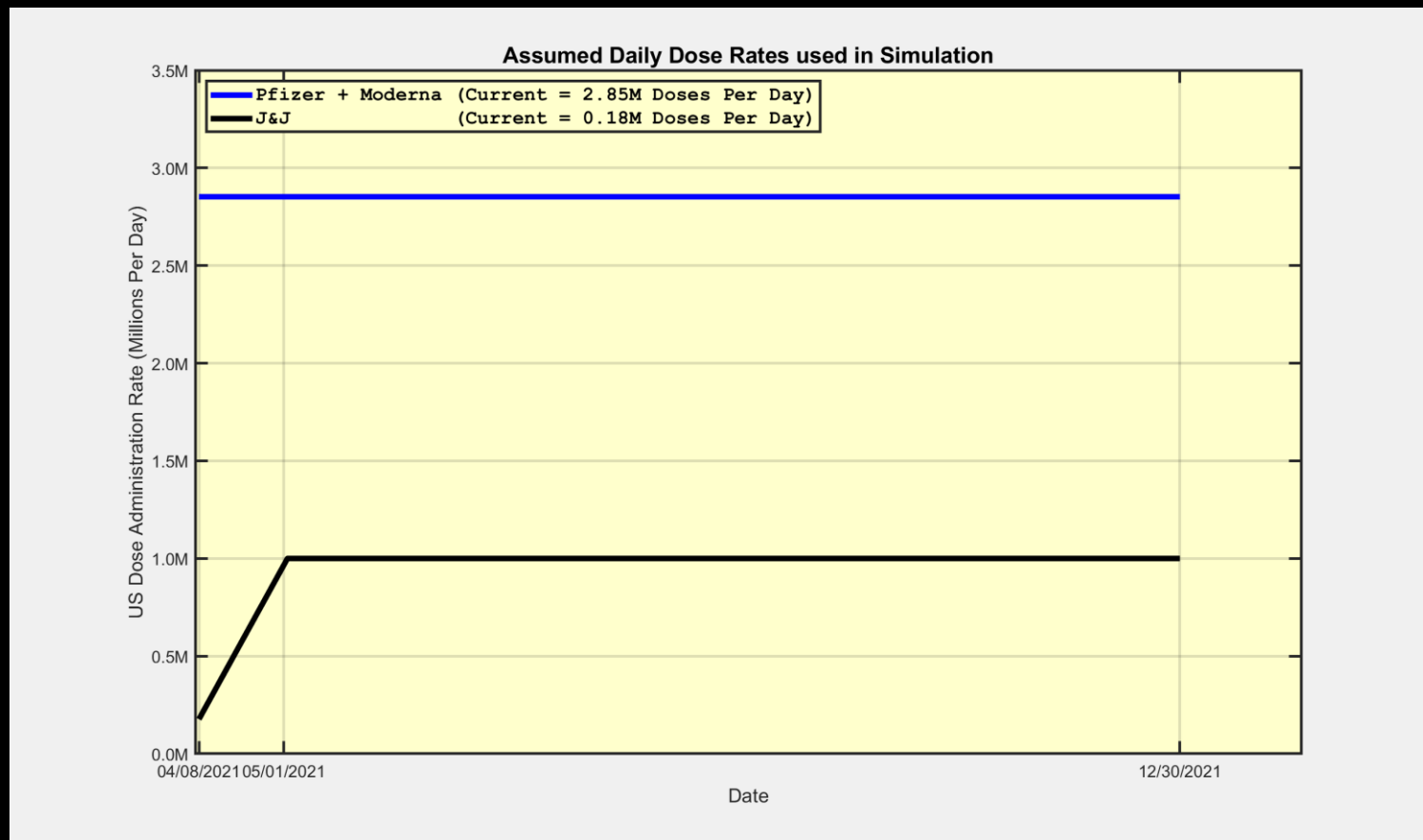
## Simulation of Herd Immunity: Assumptions

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

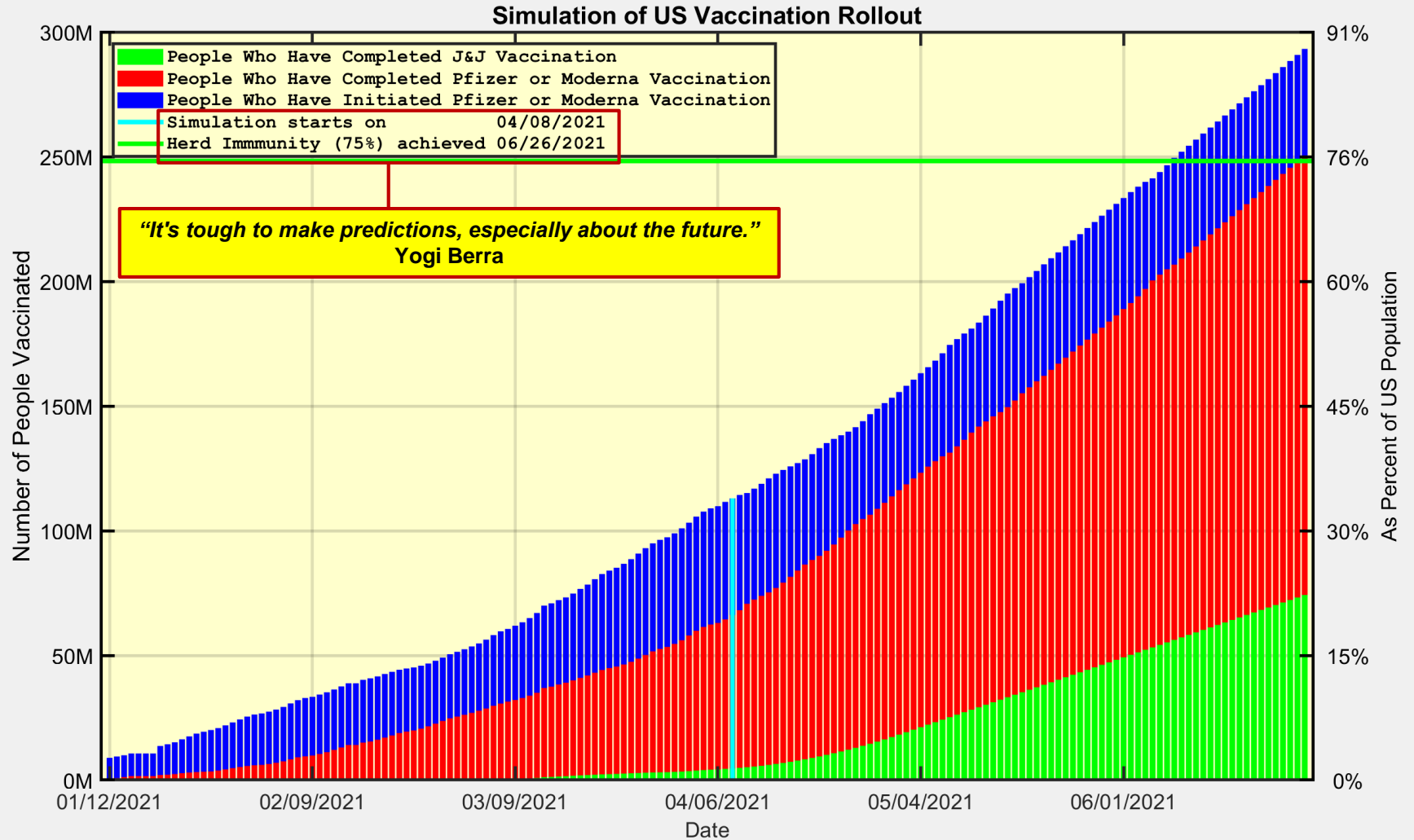
1. The US Pfizer + Moderna dose rates remain at current levels
2. The Johnson & Johnson dose rate ramps up from current level to 1M doses per day on May 1





# 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

