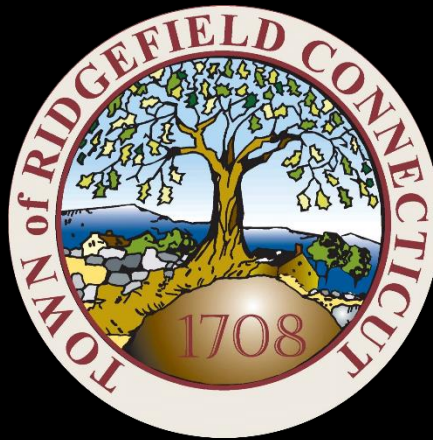


# Connecticut Vaccination Summary

## Ridgefield COVID-19 Task Force



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

Friday, March 12, 2021

## Connecticut and US Vaccination Summary

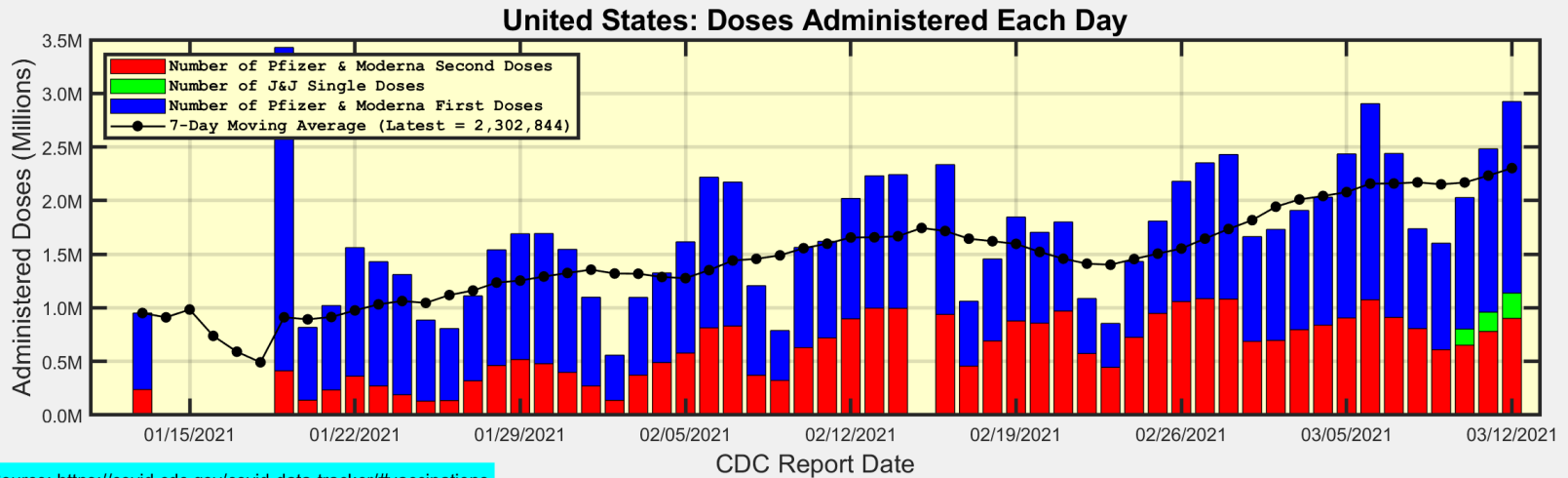
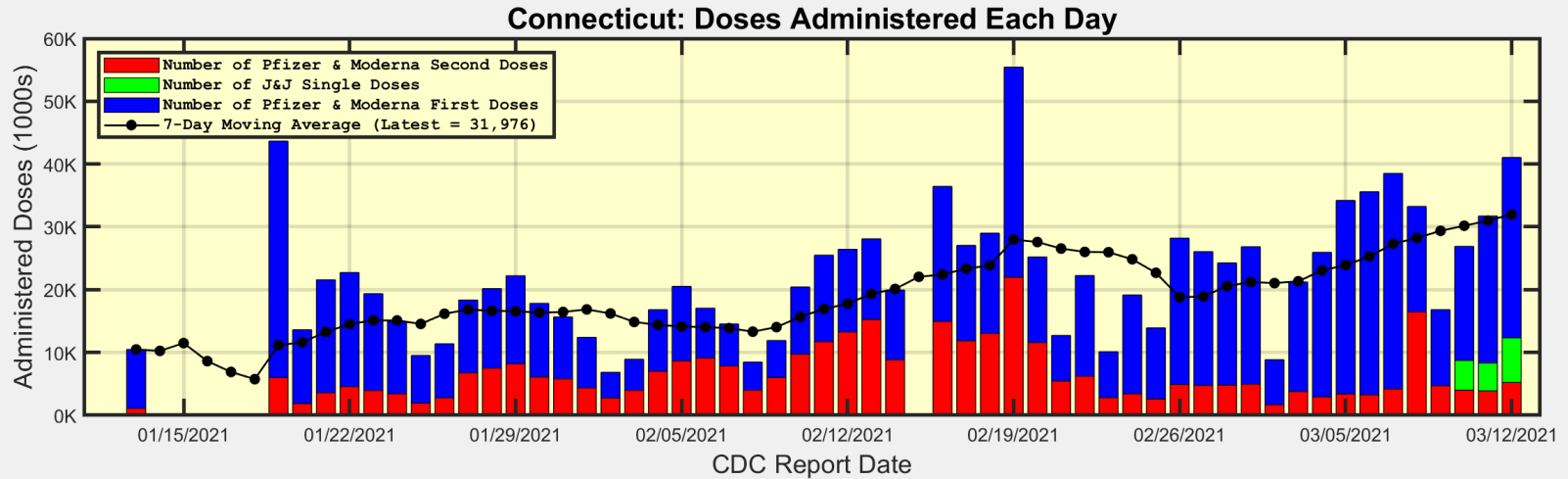
Connecticut (as of Friday March 12, 2021)	Cumulative	Daily
Doses Delivered	1,642,625	31,654
Doses Administered	1,345,350	31,976
Percent of Population Who Have Completed Vaccination	10.52%	
Percent of Population Who Have Initiated Vaccination	<b>27.61%</b>	
Connecticut Rank Among 50 States and DC	<b>2</b>	
United States (as of Friday March 12, 2021)	Cumulative	Daily
Doses Delivered	133,337,525	2,743,487
Doses Administered	101,128,005	2,302,844
Percent of Population Who Have Completed Vaccination	10.57%	
Percent of Population Who Have Initiated Vaccination	19.93%	
<b>Data Source: <a href="https://covid.cdc.gov/covid-data-tracker/#vaccinations">https://covid.cdc.gov/covid-data-tracker/#vaccinations</a>.</b> <b>The Daily numbers are the most recent 7-day moving averages.</b>		

The numbers reported by the CDC (shown here) for Connecticut differ from those reported by the CT DPH.

In particular, the CDC incorrectly labels some second doses as first doses, and hence under-estimates the number of Connecticut residents who have completed vaccination.



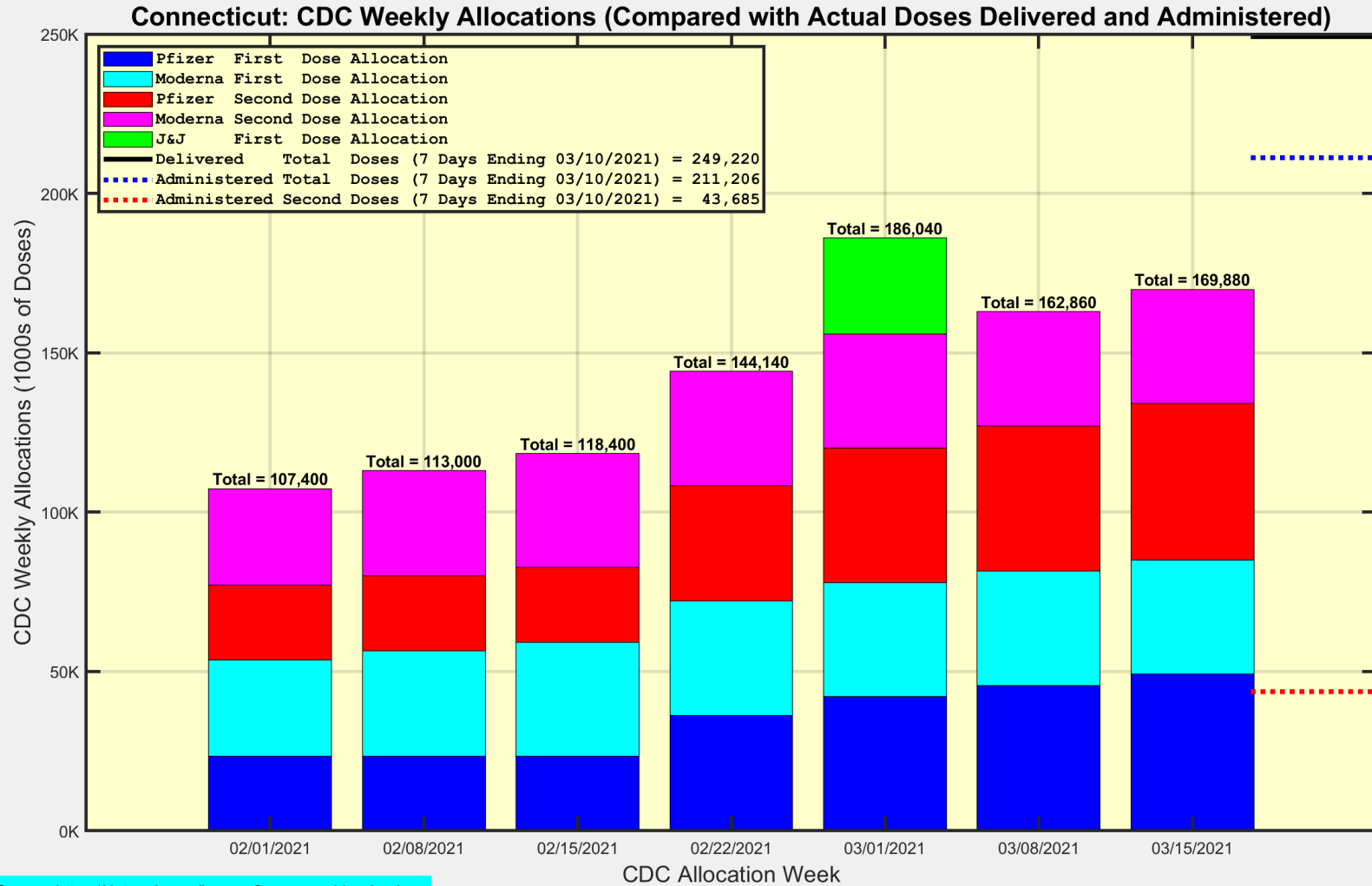
# Number of Doses Administered Each Day



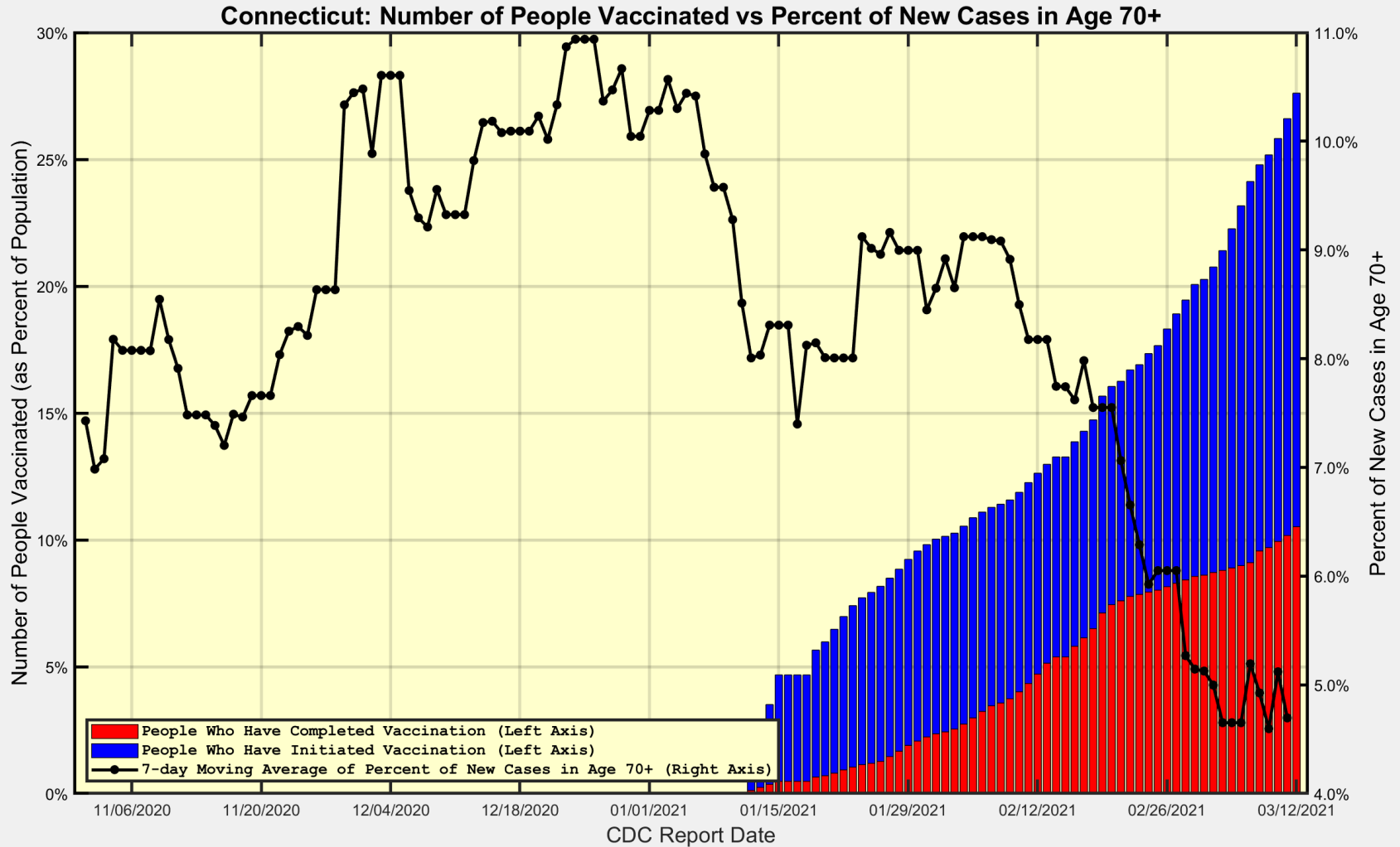
Data Source: <https://covid.cdc.gov/covid-data-tracker/#vaccinations>



# Here are Connecticut's weekly dose allocations from the CDC

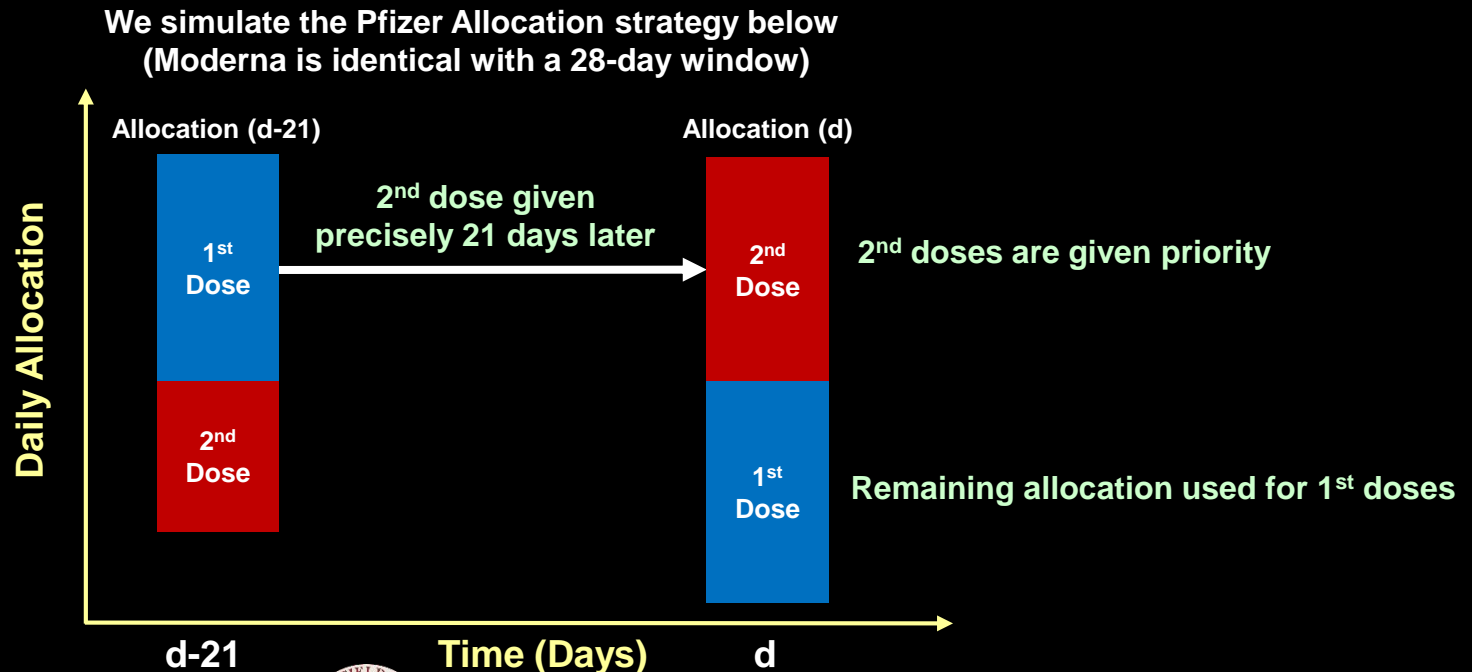


# Connecticut New Cases in Age 70+ are decreasing rapidly ... this appears to be due to increased vaccinations



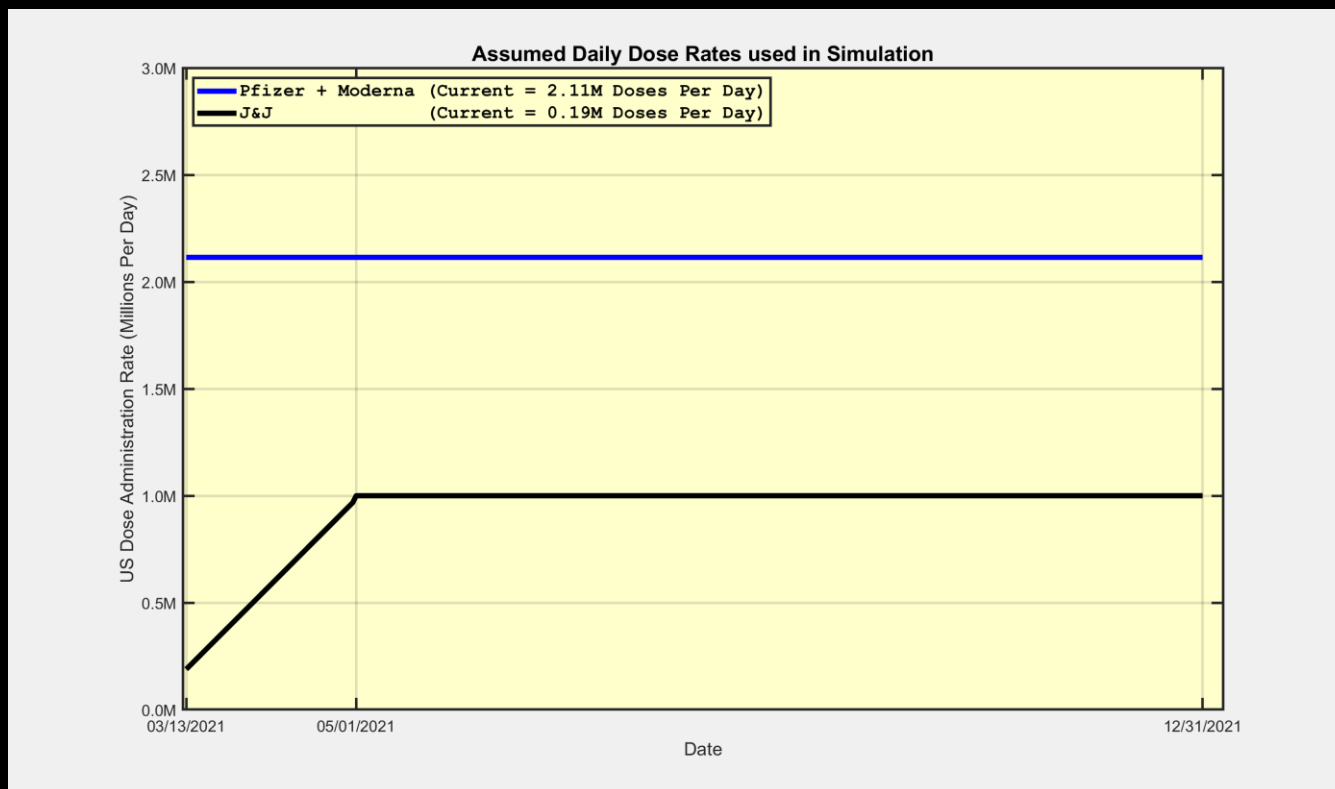
## Simulation of Herd Immunity: Assumptions

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. The administered Pfizer and Moderna doses are split evenly between the two manufacturers.



## Simulation of Herd Immunity: Assumed Dose Rates

- The US Pfizer + Moderna dose rates remain at current levels
- 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.**

