

Connecticut Vaccination Summary

Ridgefield COVID-19 Task Force



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

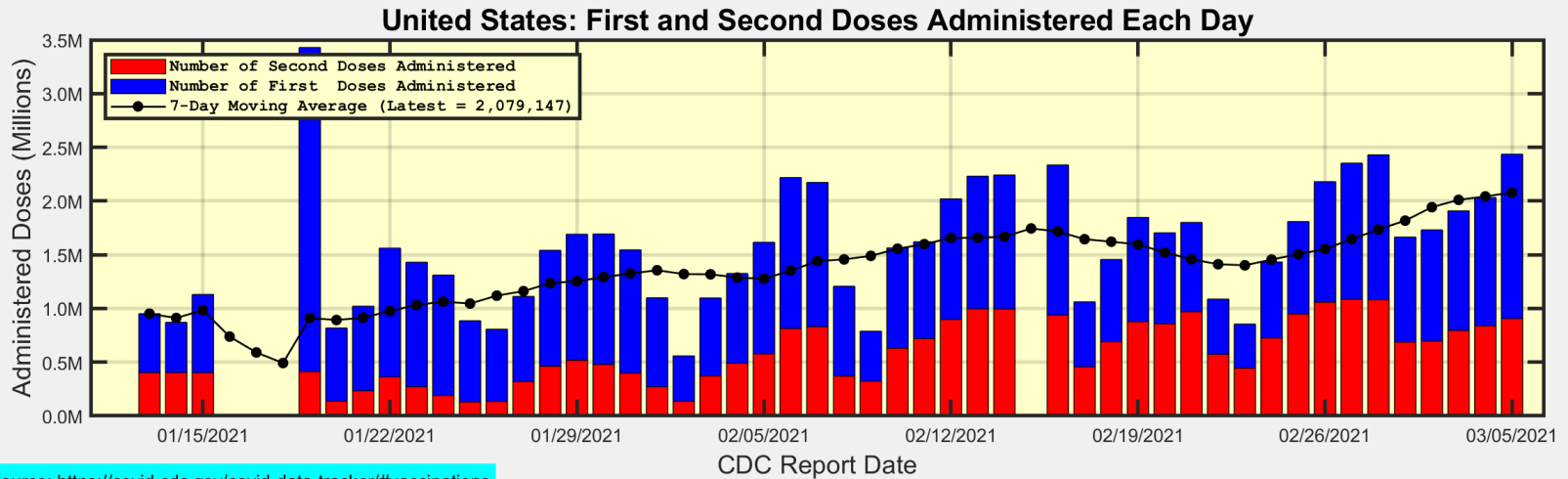
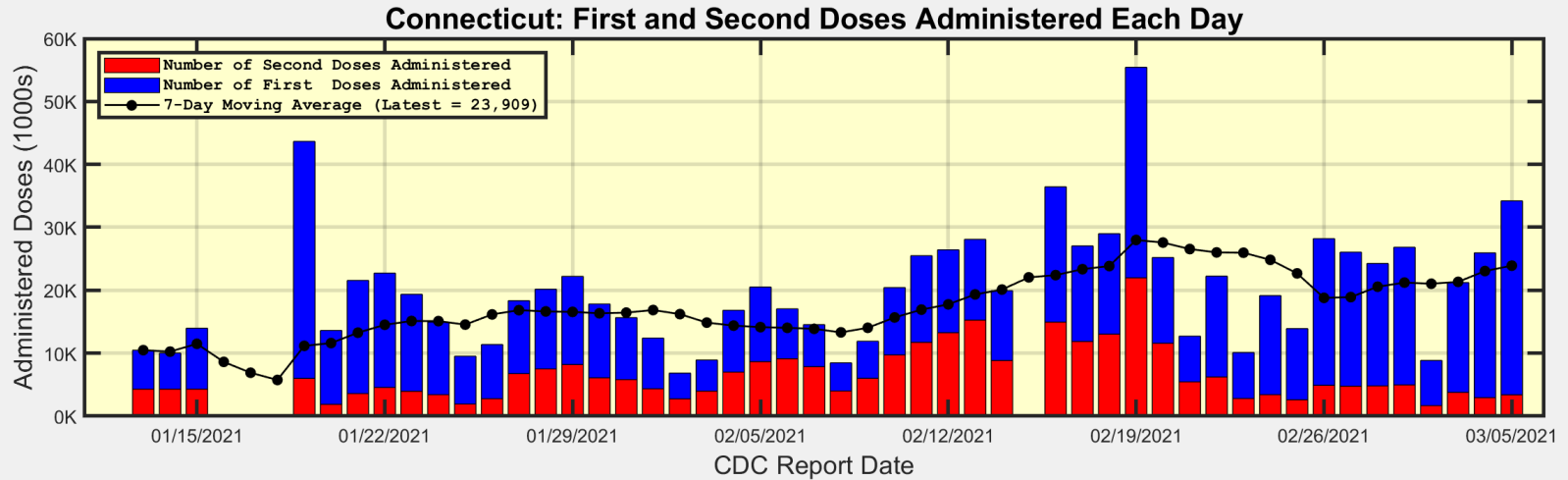
Friday, March 05, 2021

Connecticut and US Vaccination Summary

Connecticut (as of Friday March 05, 2021)	Cumulative	Daily
Doses Delivered	1,421,045	32,864
Doses Administered	1,121,517	23,909
Percent of Population Who Have Completed Vaccination	8.89%	
Percent of Population Who Have Started Vaccination	22.26%	
Connecticut Rank Among 50 States and DC	3	
United States (as of Friday March 05, 2021)	Cumulative	Daily
Doses Delivered	114,133,115	2,833,172
Doses Administered	85,008,094	2,079,147
Percent of Population Who Have Completed Vaccination	8.67%	
Percent of Population Who Have Started Vaccination	16.78%	
Data Source: https://covid.cdc.gov/covid-data-tracker/#vaccinations. The Daily numbers are the most recent 7-day moving averages.		



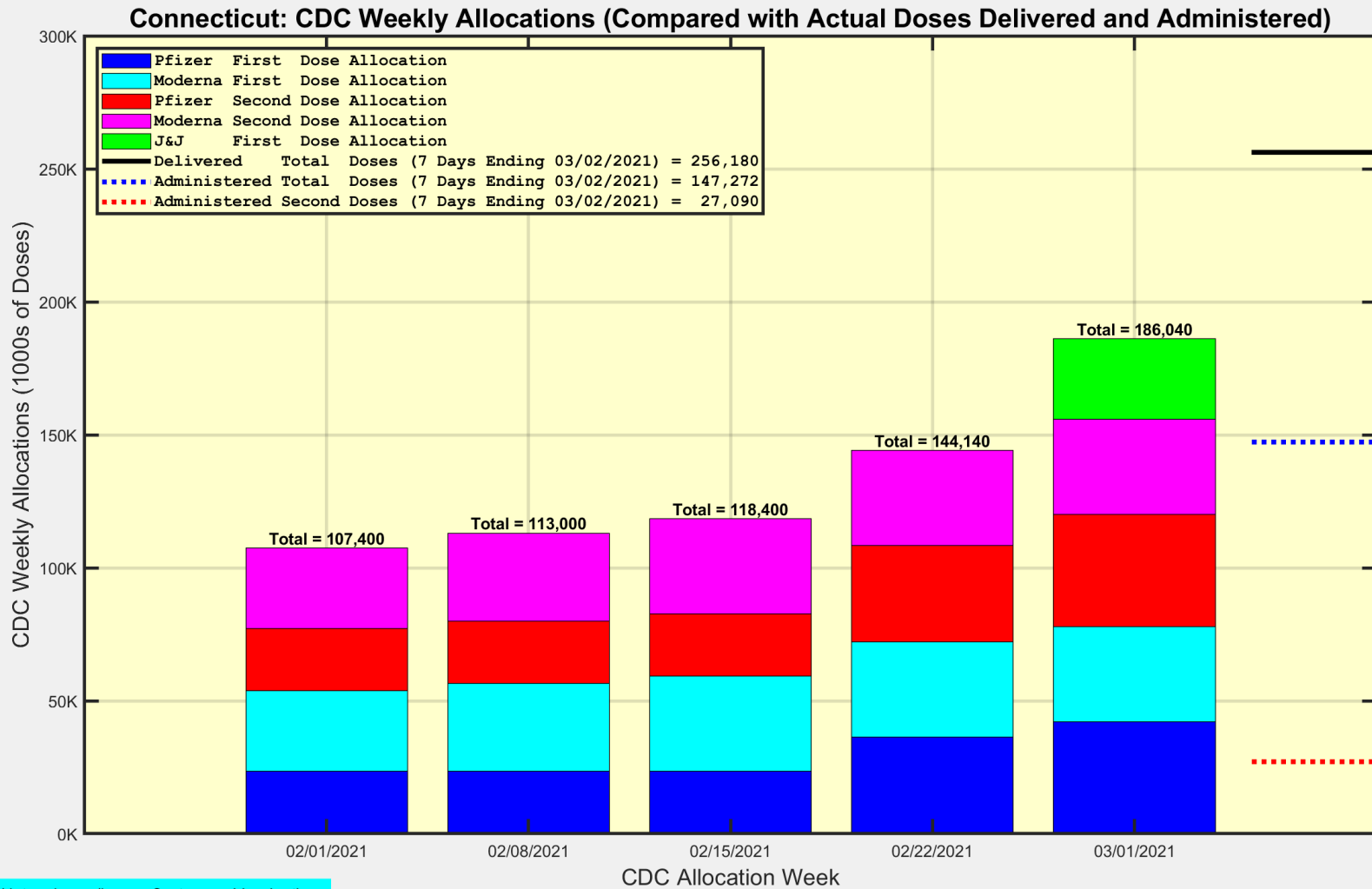
First and Second Doses Administered Each Day



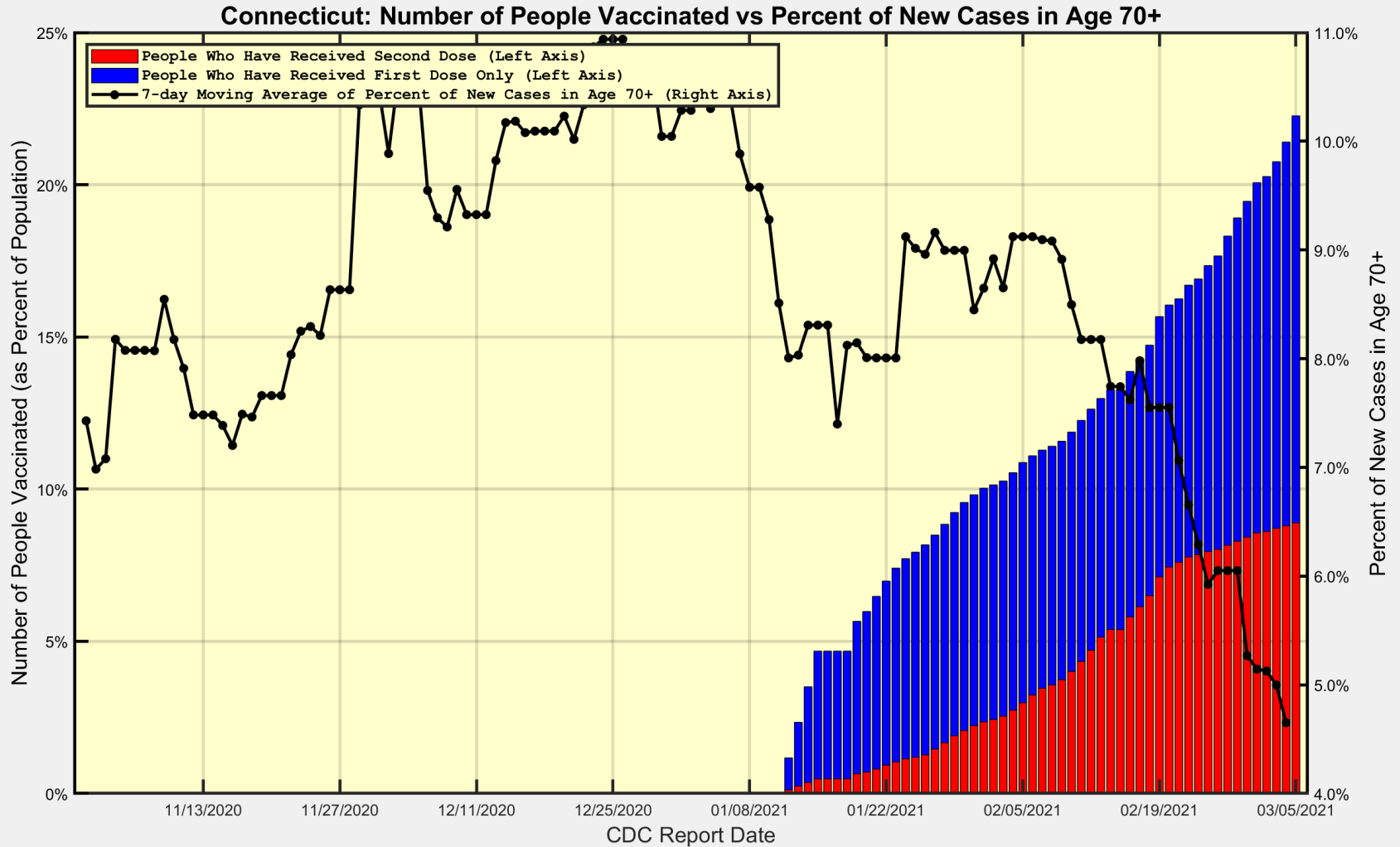
Data Source: <https://covid.cdc.gov/covid-data-tracker/#vaccinations>



Connecticut just received an allocation of 30,200 J&J vaccines for this week

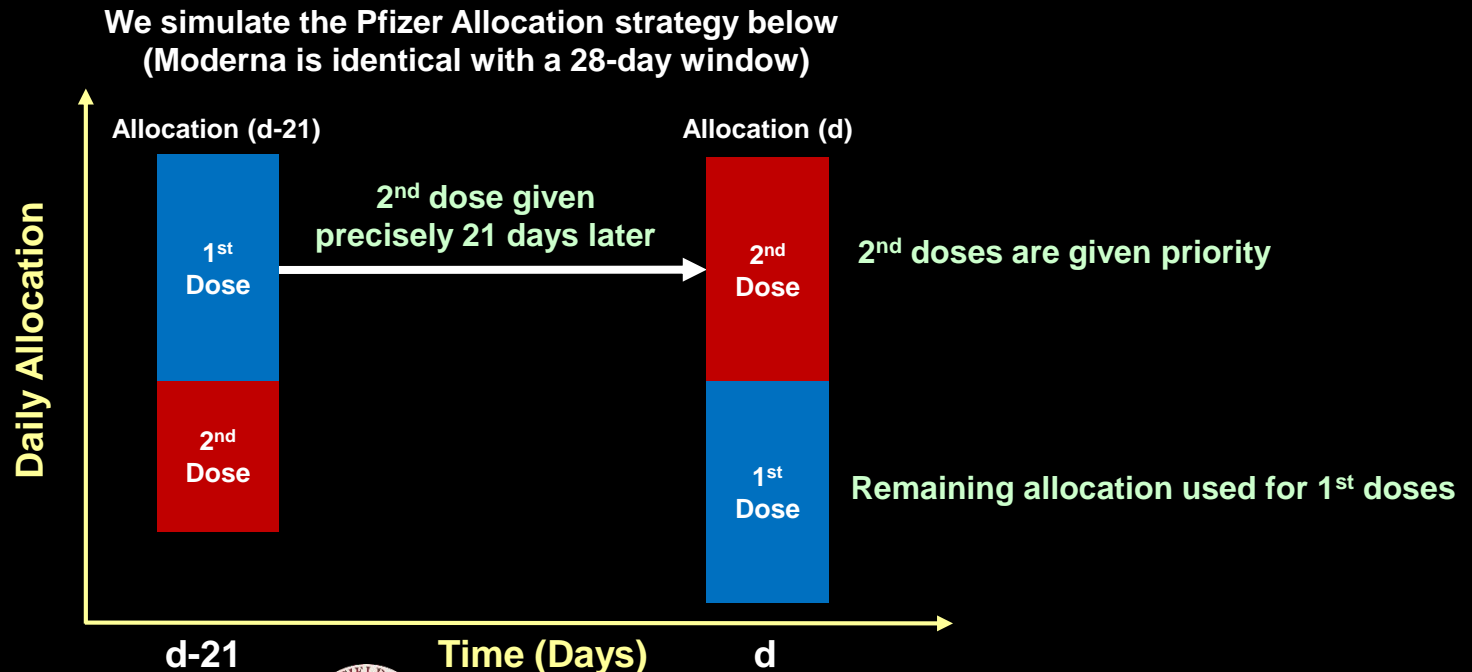


Connecticut New Cases in Age 70+ are decreasing rapidly ... this appears to be due to increased vaccinations



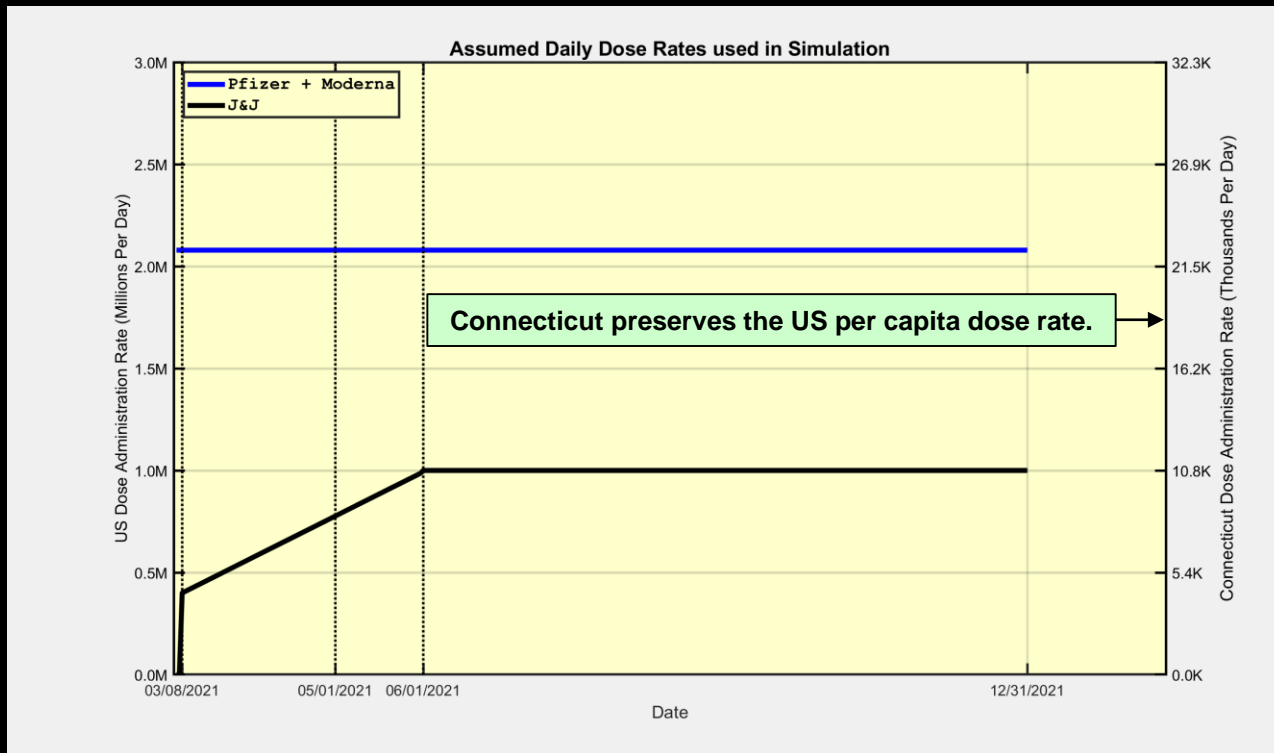
Simulation of Herd Immunity: Assumptions

1. Herd Immunity is achieved when 75% of the total 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. The administered doses are split evenly between Pfizer and Moderna.
8. The Johnson & Johnson vaccine becomes available on March 8 *with only one dose required.*



Simulation of Herd Immunity: Assumed Dose Rates

- The US Pfizer + Moderna Vaccines remain at current levels
 - The latest 7-day moving average of Pfizer + Moderna is 2.1M doses per day
- The Johnson & Johnson Vaccine becomes available on March 8
 - There is a linear ramp-up from March 8 (400K doses per day) to June 1 (1M doses per day)
 - *This results in 89.9M doses by June 30 ... consistent with J&J commitment of 100M doses by June 30*



Simulation of Herd Immunity

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

