

Connecticut Vaccination Summary

Ridgefield COVID-19 Task Force



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

Tuesday, March 16, 2021

Connecticut and US Vaccination Summary

Connecticut (as of Tuesday March 16, 2021)	Cumulative	Daily
Doses Delivered	1,749,215	31,900
Doses Administered	1,460,334	30,664
Percent of Population Who Have Completed Vaccination	14.50%	
Percent of Population Who Have Initiated Vaccination	27.06%	
Connecticut Rank Among 50 States and DC	4	

United States (as of Tuesday March 16, 2021)	Cumulative	Daily
Doses Delivered	142,918,525	2,812,250
Doses Administered	110,737,856	2,435,037
Percent of Population Who Have Completed Vaccination	11.80%	
Percent of Population Who Have Initiated Vaccination	21.79%	

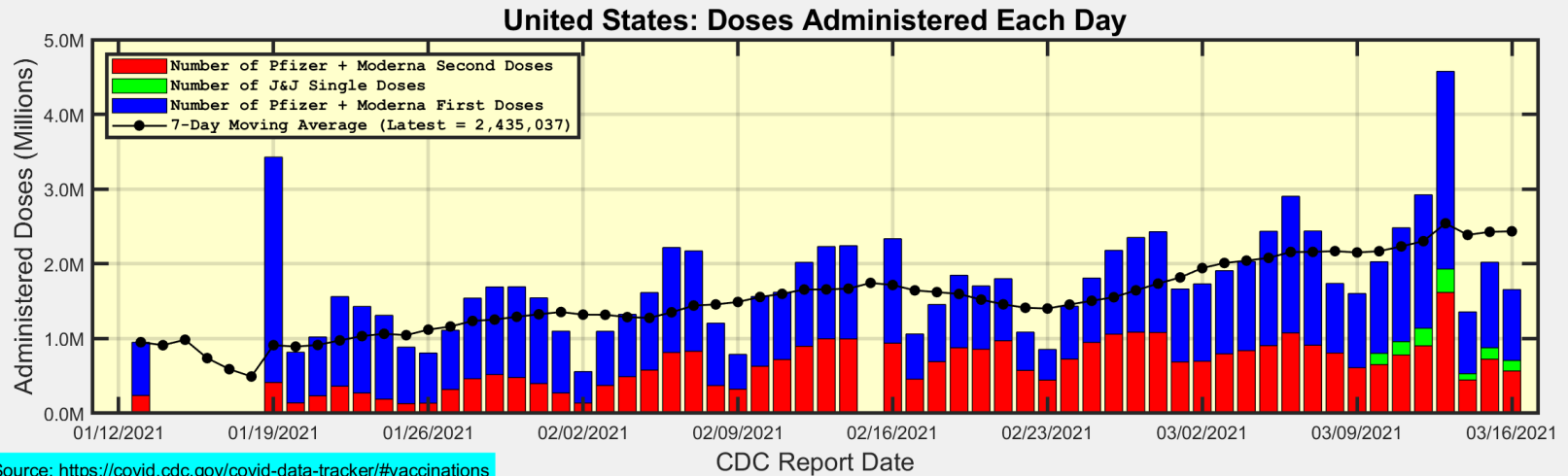
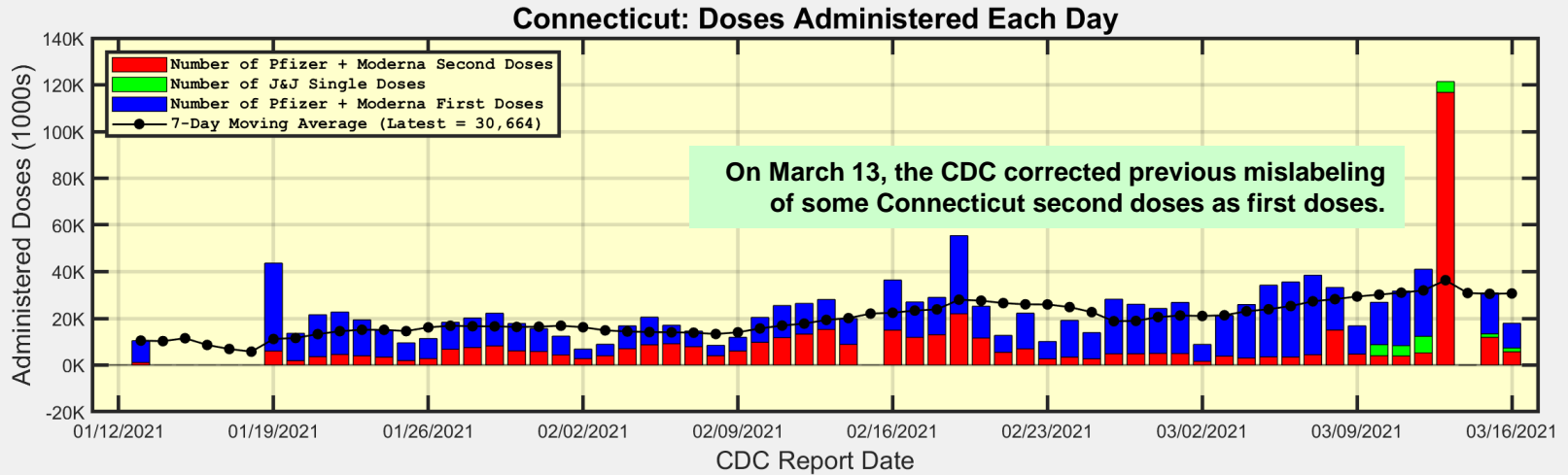
Data Source: <https://covid.cdc.gov/covid-data-tracker/#vaccinations>.

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

On March 13, the CDC corrected previous mislabeling of some Connecticut second doses as first doses. This correction significantly increased the number of Connecticut residents who have completed vaccination.



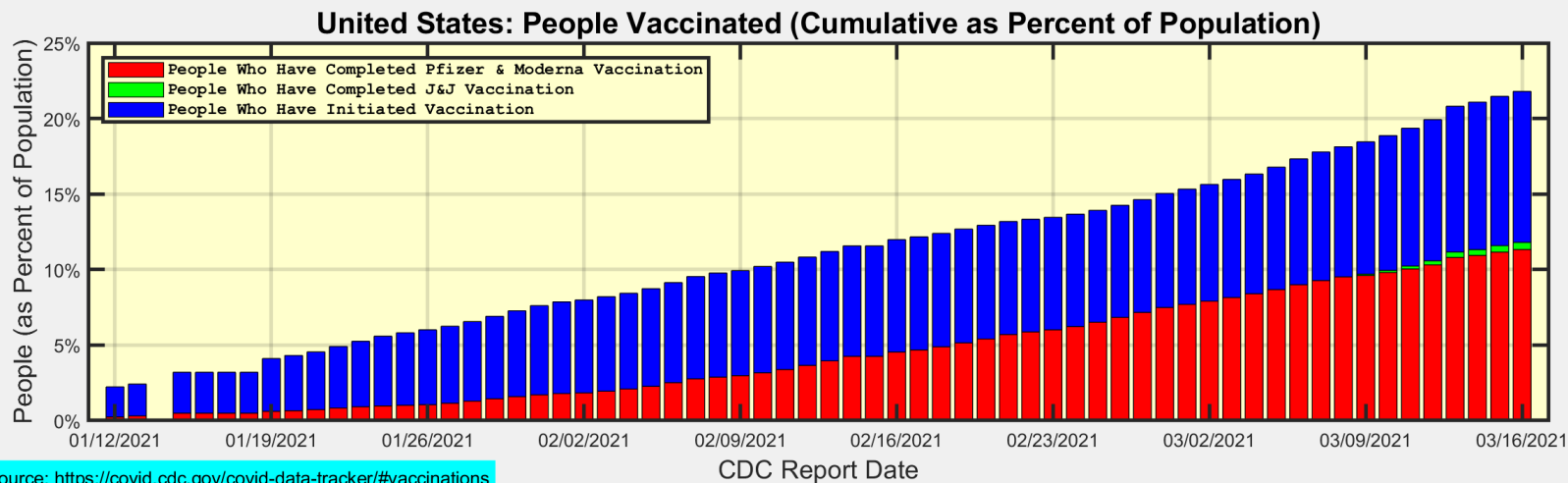
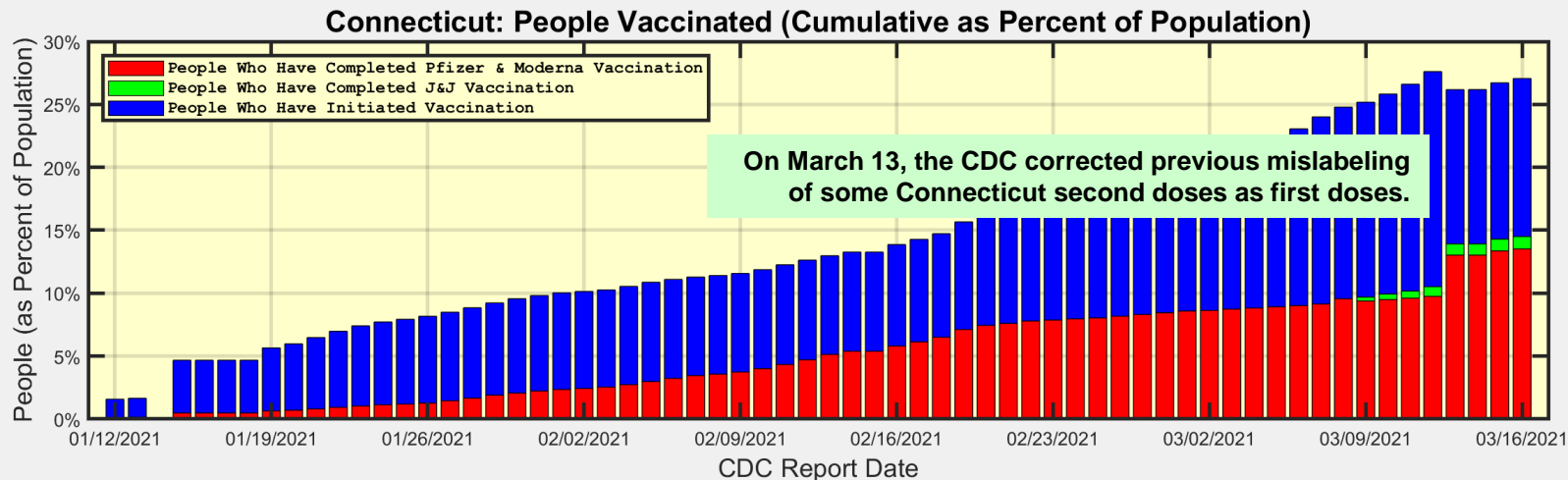
Number of Doses Administered Each Day



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



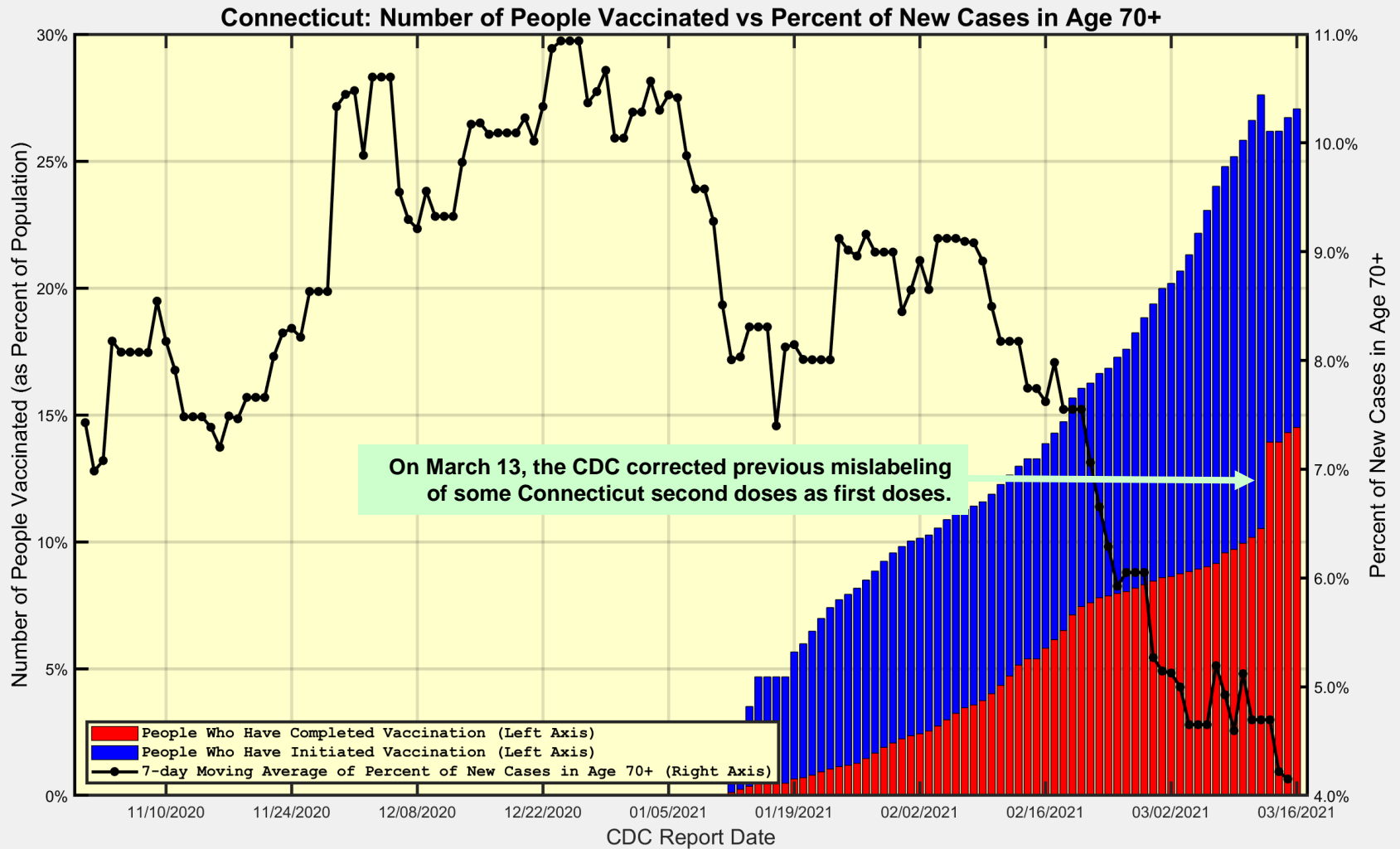
Cumulative Number of People Vaccinated (as Percent of Population)



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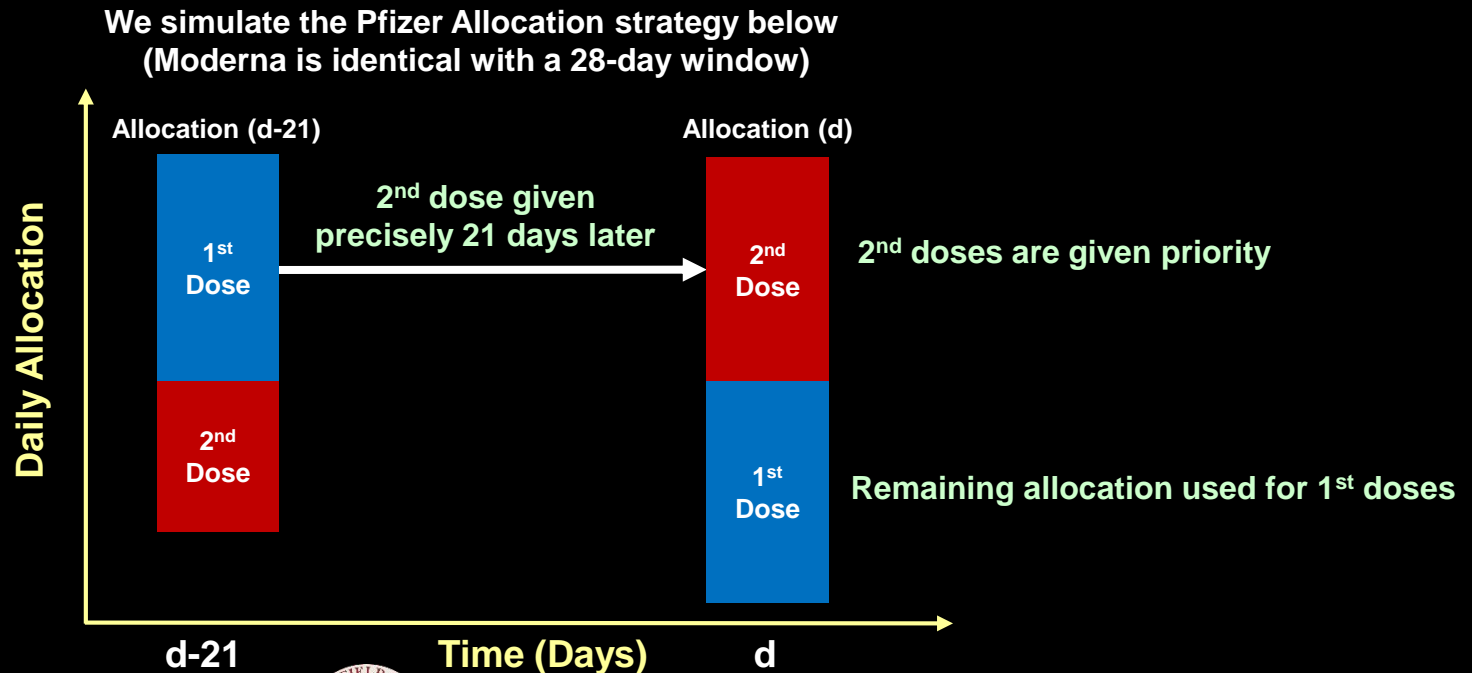


Connecticut New Cases in Age 70+ are decreasing rapidly ... this appears to be due to increased vaccinations



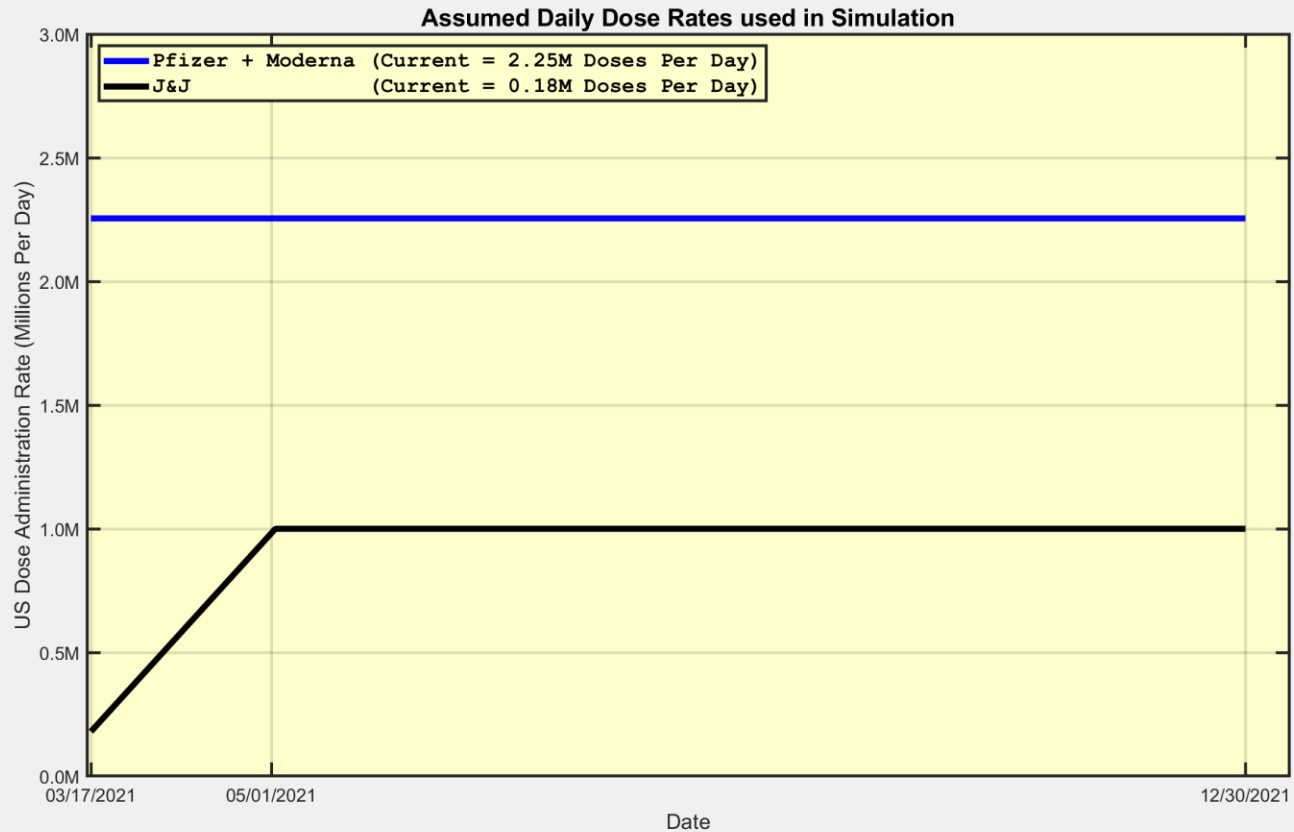
Simulation of Herd Immunity: Assumptions

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 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. *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.

