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		

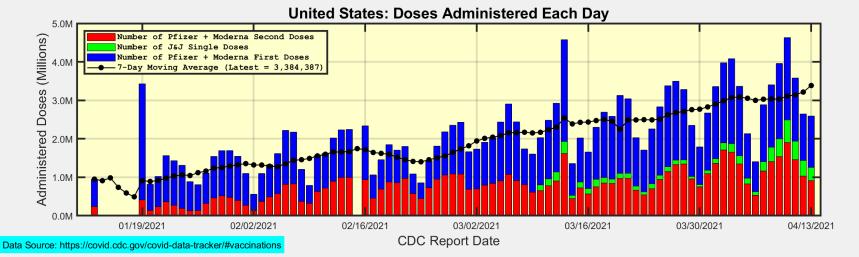
The Daily numbers are the most recent 7-day moving averages.



Number of Doses Administered Each Day

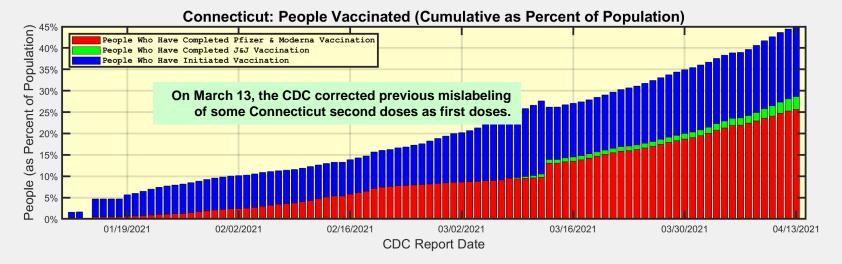
140K of Pfizer + Moderna Second Doses Administered Doses (1000s) Number of J&J Single Doses 120K Number of Pfizer + Moderna First Doses 7-Day Moving Average (Latest = 49,356) 100K On March 13, the CDC corrected previous mislabeling 80K of some Connecticut second doses as first doses. 60K 40K 20K 0K -20K 02/16/2021 01/19/2021 02/02/2021 03/02/2021 03/16/2021 03/30/2021 04/13/2021 **CDC Report Date**



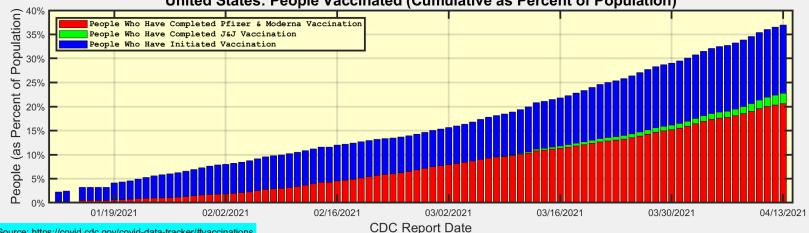




Cumulative Number of People Vaccinated (as Percent of Population)



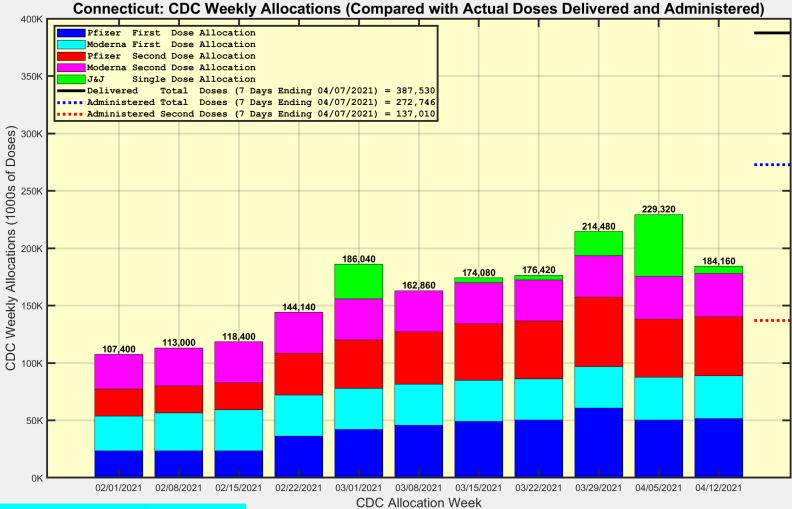
United States: People Vaccinated (Cumulative as Percent of Population)



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



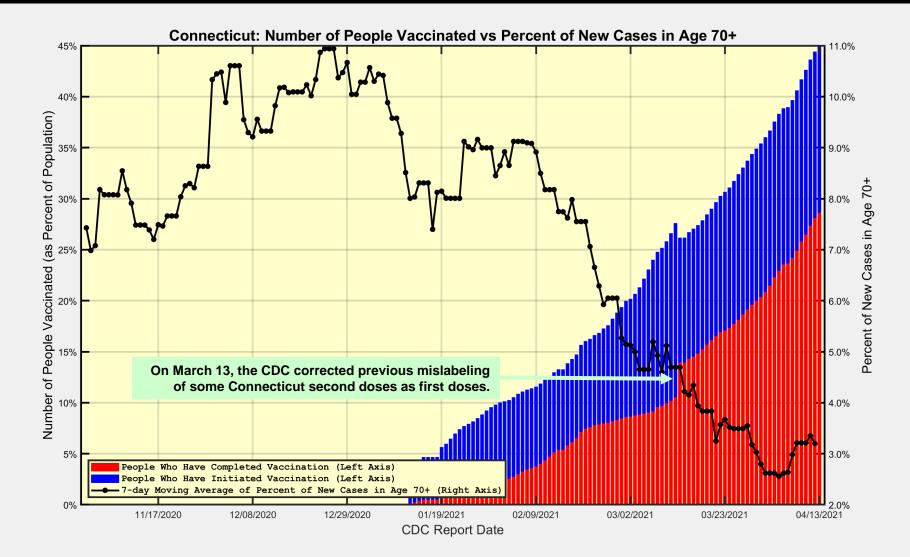
CDC Weekly Allocations for Connecticut



Data Source: https://data.cdc.gov/browse?category=Vaccinations



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

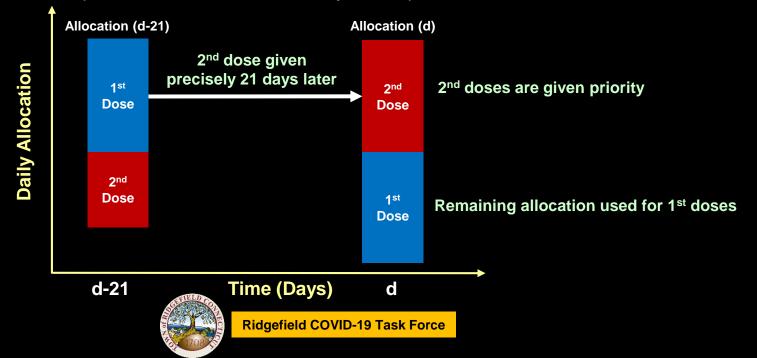




Simulation of Herd Immunity: Assumptions

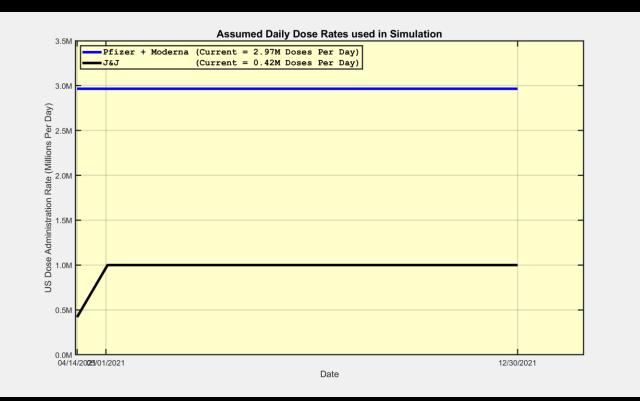
- 1. Herd Immunity is achieved when 75% of the US population is fully vaccinated.
- 2. We replicate known history up to the first day of the simulation.
- 3. We do not assume that people previously testing positive are immune ... they are still vaccinated.
- 4. All residents eligible for their 2nd dose (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.

We simulate the Pfizer Allocation strategy below (Moderna is identical with a 28-day window)



Simulation of Herd Immunity: Assumed Dose Rates

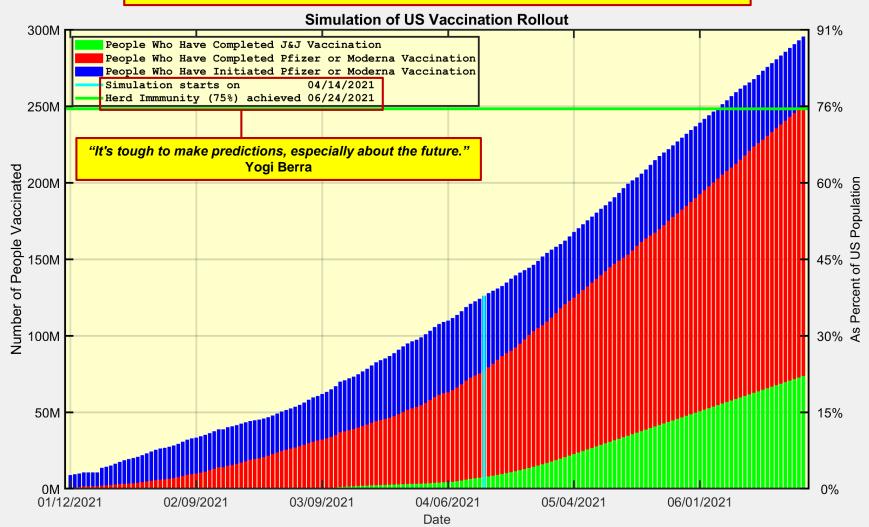
- 1. The US Pfizer + Moderna dose rates remain at current levels
- 2. The Johnson & Johnson dose rate ramps up from current level to 1M doses per day on May 1
 - IMPORTANT NOTE: we are not accounting for the April 13 FDA/CDC temporary halt on administering J&J vaccinations





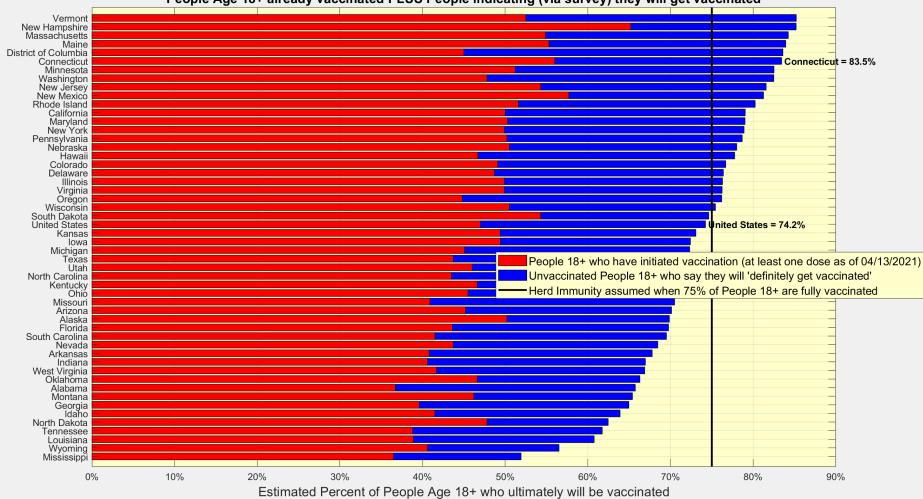
Simulation of Herd Immunity

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



Ridgefield COVID-19 Task Force

People Age 18+ already vaccinated PLUS People indicating (via survey) they will get vaccinated

Survey data from https://www.census.gov/data-tools/demo/hhp/#/?measures=GVR