



# COVID-19 Vaccine Planning

12/01/2020

# Recent COVID-19 Vaccine Announcements

- Pfizer and Moderna have requested emergency use authorization for COVID-19 vaccines to FDA
- FDA advisory committee to meet and discuss both vaccines
  - December 10<sup>th</sup> Pfizer vaccine
  - December 17<sup>th</sup> Moderna vaccine

<https://investors.modernatx.com/news-releases/news-release-details/moderna-announces-primary-efficacy-analysis-phase-3-cove-study>

<https://www.pfizer.com/news/press-release/press-release-detail/pfizer-and-biontech-submit-emergency-use-authorization>

<https://www.fda.gov/advisory-committees/advisory-committee-calendar/vaccines-and-related-biological-products-advisory-committee-december-10-2020-meeting-announcement>

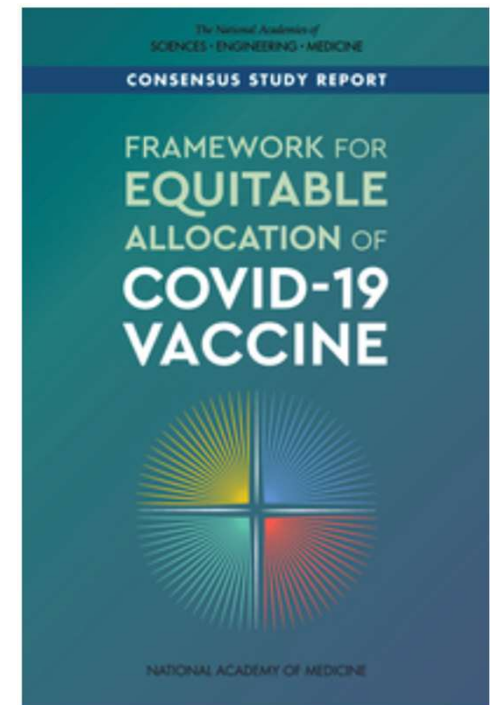
<https://www.fda.gov/news-events/press-announcements/coronavirus-covid-19-update-fda-announces-advisory-committee-meeting-discuss-second-covid-19-vaccine>

# December 2020

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
		<b>1</b> Citywide logistics meeting	<b>2</b> State/local microplans locked at federal level	<b>3</b>	<b>4</b>	<b>5</b>	
<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b> FDA meets: Pfizer EUA	<b>11</b> CDC/ACIP meet?	<b>12</b>	
<b>13</b> CDC/ACIP recommend?	<b>14</b>	<b>15</b> First doses of Pfizer vaccine potentially arrive in Chicago	<b>16</b>	<b>17</b> FDA meet: Moderna EUA	<b>18</b> CDC/ACIP meet?	<b>19</b>	
<b>20</b> CDC/ACIP recommend?	<b>21</b>	First doses of Moderna vaccine potentially arrive in Chicago					<b>26</b>
<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>	<b>31</b>			

# Vaccine Prioritization

- Initial supplies of COVID-19 vaccine will be limited
  - Requires vaccine prioritization plans
- CDPH current plans based on the national guidance
  - National Academies of Sciences
  - Advisory Committee on Immunization Practices (ACIP)
- Healthcare workers (HCW) first population recommended to receive vaccine
  - HCW who care for COVID-19 patients and perform certain procedures will be prioritized first



<https://www.nationalacademies.org/our-work/a-framework-for-equitable-allocation-of-vaccine-for-the-novel-coronavirus>

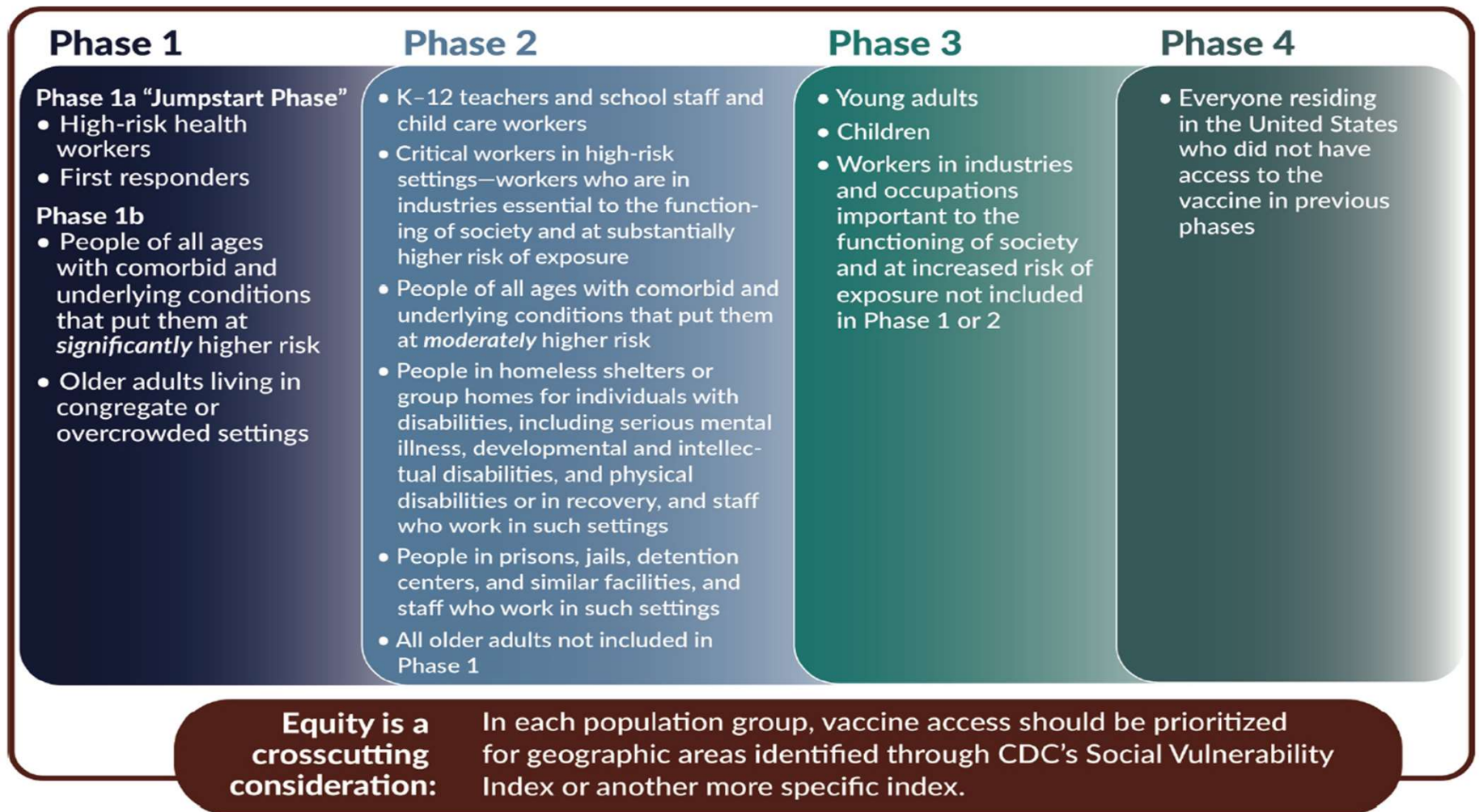
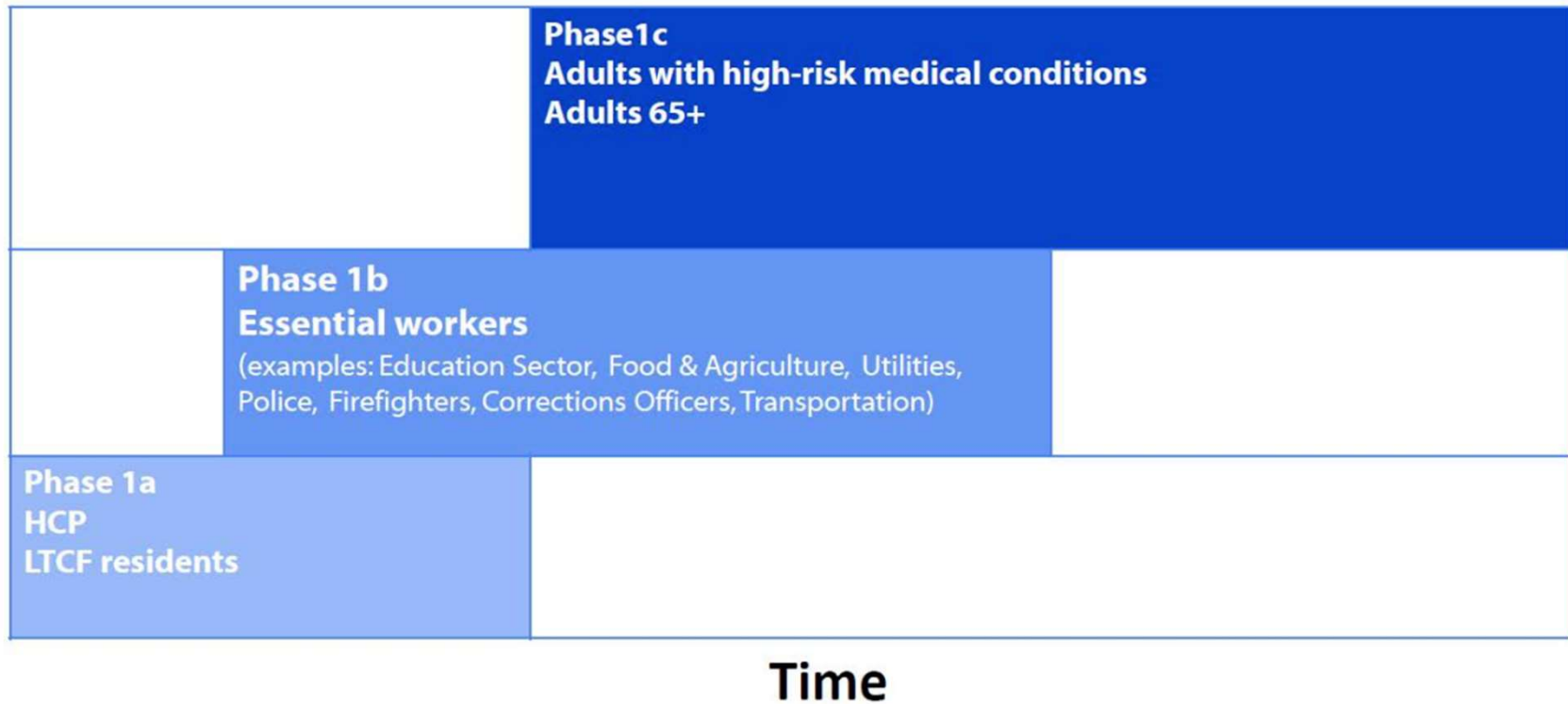


Figure 2-5 in National Academies of Sciences, Engineering, and Medicine. 2020. *Framework for equitable allocation of COVID-19 vaccine*. Washington, DC: The National Academies Press. <https://doi.org/10.17226/25917>.)

# Update: Preliminary ACIP recommendations

## Proposed Interim Phase 1 Sequence





# Chicago Department of Public Health COVID-19 Vaccine Planning

- Vaccine allocation to hospitals for vaccination of their employees
- CDPH planning for vaccination of first responders and HCW not affiliated with a hospital or health system
- Vaccination efforts expanded as vaccine supply increases
  - Based on national level prioritization guidance



# CDPH gave *guidance* for prioritization among Healthcare Personnel (HCP) to hospitals; explains initial distribution/allocation (specific numbers)

## Initial Vaccine Prioritization Considerations:

- Tier 1 – HCP routinely caring for COVID-19 patients/patients under investigation (PUIs) AND performing or attending aerosol generating procedures (AGP).
- Tier 2 – HCP that may care for COVID-19 patients/PUIs and perform or attend AGPs.
- Tier 3 – HCP that provide direct care to COVID-19 patients/PUIs but do not generally perform or attend AGPs.
- Tier 4 – HCP with direct contact with material potentially contaminated with COVID-19 viral particles (depending on hospital protocols, could include phlebotomists, technicians, environmental and dietary services personnel).
- Tier 5 – HCP that provide direct patient care to patients who are at low risk of COVID-19 and persons with indirect exposure to patients or infectious materials.

## Vaccine Sub-prioritization Considerations:

- Personnel 60 years of age and older
- Personnel with underlying health conditions who are at increased risk of severe COVID-19 disease

In addition, hospitals may also take into account other factors, including but not limited to mitigation of health inequities, the importance of expeditiously achieving high levels of vaccine coverage among front line staff, and facility level epidemiologic assessment of exposure risk.





# CDPH vaccine related communication with hospitals

- Standing biweekly COVID-19 Vaccine Situational Awareness calls
- Multiple calls with hospital Chief Medical Officers
- New this week: call with Chief Nursing Officers
- Task-specific communications
  - COVID-19 vaccine provider enrollment
  - Ultra-cold storage survey
  - Healthcare personnel numbers survey
- Health Alert Network (HAN) written guidance
- Hospital communication team
  - Hotline
  - [COVID19Vaccine@cityofchicago.org](mailto:COVID19Vaccine@cityofchicago.org)

## **Successful Vaccine Rollout**

- Team (logistics of staffing vaccine administration, directly and through partners)
- Temperature (logistics of vaccine itself)
- Transportation (logistics of vaccine distribution)
- Training (logistics of training staff for PODs and partners)
- Tech (logistics of facility registration; logistics of individual registration and second dose; logistics of vaccine reporting and facility requests)
- Transparency (comms logistics; data collection and display)

# ★ Logistics Examples

- **Temperature/cold chain**

- **Two doses** of COVID-19 vaccine, **separated by  $\geq 21$  or  $\geq 28$  days** will be recommended for most vaccines.
- Both doses will need to be the **same product**.
- First candidate vaccine (Pfizer-BioNtech) storage requirement is -80c.
- Second candidate vaccine (Moderna) storage requirement is -20c.
- Training related to specific handling of vaccine (e.g. diluent, cold chain); additional information will be released as part of the federal approval process.

- **Tech and Data**

- CDPH has a pre-registration platform designed and used during flu this year.
- All doses given, regardless of who gives them, must be reported into **I-CARE**, the state's immunization registry. The state, in turn, will report to CDC.
- CDPH is creating a shell vaccine dashboard section to display vaccine administration data at the population level by home zip code, race/ethnicity, age, etc--similar to test data



# CDPH COVID-2019 Vaccination Clinics

Target vaccines delivered by City = 250,000 SARS CoV-2 (2 doses)

We have validated four vaccination models during seasonal influenza campaign:

Vaccination Site Models	Success / Challenges
<ol style="list-style-type: none"><li>1. Vaccination Site (POD)</li><li>2. Mobile Vaccination Site</li><li>3. Drive-thru Vaccination Site</li><li>4. Strike Team sites (TBD)</li></ol>	<ol style="list-style-type: none"><li>1. <b>PODs:</b> good flow, even distribution through-out city, higher volume capable</li><li>2. <b>Mobile:</b> CTA support, targeted penetration, less volume</li><li>3. <b>Drive-thru:</b> logistically challenging, but works, requires more staff support</li><li>4. <b>Strike Teams:</b> outbreak specific</li></ol>



## Collaboration with Multiple City Departments

City Depts with critical roles:

- **AIS** (tech, drivers, facility agreements, signage)
- **CCC** (facilities, e-Learning platform)
- **CDOT** (message boards)
- **CPD** (security)
- **CFD** (EMS vaccinators)
- **CPS** (facilities, school nurses as vaccinators)
- **CTA** (buses, facilities, advertising, cleaning)
- **DFSS** (coord w/ shelters & seniors, messaging)
- **DHR** (language skills, volunteer coord, staffing)
- **DSS** (vehicles with drivers, GIS tracking)
- **Law** (policy on liability with staff & volunteers)
- **MOPD** (ADA, ASL interpreters)
- **OEMC** (overall cross-city coordination)
- **Parks** (facilities)
- **PSA** (cost tracking, procurement support)

# Partnerships with Additional Vaccine Providers

- Pharmacies
  - Federal long-term care facility/pharmacy partnership
  - Federal expansion of pharmacy partnerships in Phase 2
  - Independent Pharmacies
- Federally qualified health centers and other outpatient providers
  - Enrollment as COVID-19 vaccine providers
- Hospitals and Health Systems

  **New COVID-19 vaccine website**

[www.chicago.gov/COVIDvax](http://www.chicago.gov/COVIDvax)