

## Supplemental Online Content

Hardeman A, Wong T, Denson JL, Postelnicu R, Rojas JC. Evaluation of health equity in COVID-19 vaccine distribution plans in the United States. *JAMA Netw Open*. 2021;4(7):e2115653. doi:10.1001/jamanetworkopen.2021.15653

**eAppendix.** Standardized Questionnaire to Evaluate for Each State Plan Used by Reviewers

## COVID-19 Vaccine Allocation

### COVID-19 Vaccination Policy State Survey

\* 1. Which State?

2. Initial Date on State Allocation Policy

Date / Time

Date

3. Final Revision Date on Allocation Policy?

Date / Time

Date

4. Vaccination plan developed by committee/task force?

Yes

No

5. If no committee, who was responsible for vaccination plan?

6. Health equity task force used by state?

Yes

No

7. Health equity committee members if known

Physician

Underrepresented Patient Representative

Government Official

Clergy Member

Ethicist

8. Number of Phases Listed in States Plan

Phase 1

Phase 5

Phase 2

Phase 6

Phase 3

Phase 7

Phase 4

9. Estimated number of vaccine allotments were provided for each phase?

Yes

No

10. Estimated numbers of vaccine allotment were provided for each prespecified "at-risk" group?

Yes

No

11. Phase 1 (only include the first "phase" i.e. phase 1a, not 1b) included which of the following (check all that apply):

- |  |   |
|--|---|
| <input type="checkbox"/> Hospital personnel with direct covid exposure (Hosp_Direct)                         | <input type="checkbox"/> Pharmacists with no direct patient care exposure   |
| <input type="checkbox"/> Hospital personnel with no direct covid exposure (Hosp_Indirect)                    | <input type="checkbox"/> Essential workers who cannot work remotely (i.e. food processing/grocery workers, water/energy/waste sector workers, etc.) |
| <input type="checkbox"/> Nursing home personnel with direct covid exposure                                   | <input type="checkbox"/> General public with high risk conditions   |
| <input type="checkbox"/> Nursing home personnel with no direct covid exposure                                | <input type="checkbox"/> General public with age>65   |
| <input type="checkbox"/> Nursing home residents  | <input type="checkbox"/> General public with age>75   |
| <input type="checkbox"/> Hospitalized patients without COVID diagnosis                                       | <input type="checkbox"/> Caregivers of at-risk individuals  |
| <input type="checkbox"/> EMS   | <input type="checkbox"/> Teachers/School staff  |
| <input type="checkbox"/> Firefighters  | <input type="checkbox"/> Transportation (i.e. bus drivers, transit operators, etc)  |
| <input type="checkbox"/> Police  | <input type="checkbox"/> Laboratory personnel who have exposure to specimens from COVID-19+ patients  |
| <input type="checkbox"/> Homeless  | <input type="checkbox"/> Morgue/mortuary workers in contact with COVID-19+ bodies   |
| <input type="checkbox"/> Urgent Care Healthcare Workers  | <input type="checkbox"/> People living on college/university campuses   |
| <input type="checkbox"/> Other outpatient care centers (psych, surgical centers, dentists, optometrist, etc) | <input type="checkbox"/> People living in congregate living facilities or group homes   |
| <input type="checkbox"/> Jail or Corrections officers  | <input type="checkbox"/> People who are under/un-insured  |
| <input type="checkbox"/> Jail or Corrections inmates   | <input type="checkbox"/> Employees caring for adults or children (i.e. home aides, child care providers)  |
| <input type="checkbox"/> Pharmacists with direct patient care exposure                                       |   |

12. Which conditions represent "high-risk" group in the state's vaccination policy?

- |   |   |
|---|---|
| <input type="checkbox"/> Diabetes                                 | <input type="checkbox"/> Chronic Immunosuppressed                           |
| <input type="checkbox"/> Obesity                                  | <input type="checkbox"/> CHF  |
| <input type="checkbox"/> HTN                                      | <input type="checkbox"/> CAD  |
| <input type="checkbox"/> HLD                                      | <input type="checkbox"/> Sickle Cell  |
| <input type="checkbox"/> Active Cancer                            | <input type="checkbox"/> Liver disease                                      |
| <input type="checkbox"/> COPD                                     | <input type="checkbox"/> Age>=65  |
| <input type="checkbox"/> CKD                                      | <input type="checkbox"/> Unspecified cardiovascular disease (HTN, CAD, CHF) |
| <input type="checkbox"/> Chronic Lung Conditions requiring Oxygen | <input type="checkbox"/> Age >=75   |

13. How was diversity included in vaccination plan if It was not published in guidelines?

- |                                    |   |
|------------------------------------|---|
| <input type="checkbox"/> Gender    | <input type="checkbox"/> Living Situation     |
| <input type="checkbox"/> Age       | <input type="checkbox"/> Race                 |
| <input type="checkbox"/> Ethnicity | <input type="checkbox"/> Socioeconomic status |

14. Was critical population mapping used to evaluate areas of highest need for vaccination?

- Yes
- No

15. 14. Were metrics of success and/or distribution fidelity proposed (Vaccine program monitoring)?

- Yes
- No

16. Was second dose reminder system referenced in state policy?

- Yes
- No

17. Was second dose appointment made at time of initial vaccination per state policy?

- Yes
- No

18. What measures or technology were being used to ensure patient's return for second vaccination?

- |  |   |
|--|---|
| <input type="checkbox"/> Vaccination record card                                       | <input type="checkbox"/> Other texting/phone messaging Platform (excluding IIS) |
| <input type="checkbox"/> Alerts from the state's Immunization Information System (IIS) | <input type="checkbox"/> Other email Services (excluding IIS)                   |
| <input type="checkbox"/> Other postcard/mailling system (excluding IIS)                | <input type="checkbox"/> Other phone calling reminder service (excluding IIS)   |

19. Were implementation measures proposed?

- Yes
- No

20. Was an implementation committee established?

- Yes
- No

21. Were partnerships and/or vaccine promoters identified to maximize distribution to the community?

- |  |  |
|--|--|
| <input type="checkbox"/> Health care and community support services (i.e. nursing homes, long term care facilities, clinics, pharmacies) | <input type="checkbox"/> Educational Institutions                                |
| <input type="checkbox"/> Homeland and national security  | <input type="checkbox"/> Religious or faith-based institutions                   |
| <input type="checkbox"/> Other critical infrastructure (i.e. EMS, communication technology, banking and finance, shipping, etc.)         | <input type="checkbox"/> Homeless shelters/homeless service providers            |
| <input type="checkbox"/> Correctional Facilities   | <input type="checkbox"/> Organizations serving racial and ethnic minority groups |
| <input type="checkbox"/> Tribal partners   | <input type="checkbox"/> Other   |

22. During phase 1, were there partnerships outside of hospital/medical systems? (i.e. medical societies to reach eligible candidates who don't have a direct link to a hospital system?)

- Yes  
 No

23. Emergency vaccine storage plan? (i.e. power outages, severe weather, after hours access)

- Yes  
 No

24. Does the state have/set up specific vaccination program training requirements to ensure efficiency in vaccine operations? (i.e. orientation, position and equipment specific training)

- Yes  
 No

25. Is a COVID-19 death summary listed for the state?

- Yes  
 No

26. Are there specific communication strategies/guidelines for the COVID-19 effort listed?

- Yes  
 No

27. If communication strategies are noted in state plans, what are they?

- Press releases, scheduled conferences/calls, etc.
- Electronic messaging boards or alerts
- Social media platforms or other traditional media campaigns (i.e. digital, print, broadcast, etc.)
- Other