ARIZONA COVID-19 VACCINE DISTRIBUTION PLAN

December 4, 2020
COVID-19 Vaccine Background
Operation Warp Speed

- Pfizer:
  - Vaccine is 95% effective.
  - Pfizer and BioNTech submitted Emergency Use Authorization to FDA for their COVID-19 Vaccine.
  - Minimum of 975 doses per order
  - Shipped in a thermal box with dry ice that is rechargable
  - Can be stored in an ultra low temperature freezer or administered within 10 days

- Moderna
  - Vaccine is 94.5% effective.
  - Stable for 30 days at refrigerated temperatures (2-8 °C).
  - Minimum of 100 doses per order
  - Can be stored in a frozen or administered with 14 days

- Both the Pfizer and Moderna vaccines will require patients to receive 2 doses of vaccine, either 21 or 28 days apart in order to be considered fully vaccinated.
ACIP Meeting Vote 12/1/2020

When a COVID-19 vaccine is authorized by FDA and recommended by ACIP, vaccination in the initial phase of the COVID-19 vaccination program (phase 1A) should be offered to both:
1) health care personnel, and
2) residents of long-term care facilities.
ACIP Ethical Principles for Initial COVID-19 Vaccine Allocations

- Fair and equitable distribution
- Maximize benefit, minimize harm
- Transparent, evidence-based strategy
Next Steps

- FDA has scheduled a meeting of its Vaccines and Related Biological Products Advisory Committee (VRBPAC) on:
  - **December 10** to discuss the request for emergency use authorization of a COVID-19 vaccine from Pfizer.
  - **December 17** to discuss the EUA of a COVID-19 vaccine from Moderna
- Once the EUA is approved and the ACIP recommendations are finalized, vaccine can be shipped to states within 24 hours.
- We anticipate the first doses of vaccine to arrive around December 15th.
Arizona’s Vaccine Allocation
Arizona’s Vaccine Allocation

- December: a **projected total of 383,750 doses** of COVID-19 vaccine
  - **Pfizer** (all 1\textsuperscript{st} doses)
    - 12/13 – 58,500
    - 12/20 – 70,200
    - 12/27 – 83,850
  - **Moderna** (all 1\textsuperscript{st} doses)
    - 12/20 – 118,800
    - 12/27 – 52,400
Arizona COVID-19 Vaccination Preparedness Planning
Arizona Draft Vaccination Plan

- Arizona COVID-19 Vaccination Plan is a working document, which is continually updated as we receive more information from CDC.
- An initial draft copy was submitted to CDC on October 16th and shared with local allocators for review and comments.
- The draft plan includes the following:
  - Executive Summary
  - Tribal Engagement Tool
  - Ultra-cold Distribution Template
  - Pharmacy and Long Term Care Partnership Strategy
  - Updated Appendix for Vaccine A
- Posted on ADHS website
Provider Recruitment and Onboarding
## Provider Onboarding

### Onboarding Activities as of November 30, 2020

<table>
<thead>
<tr>
<th>Activity</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of provider locations that have <strong>started</strong> ADHS Provider Onboarding process</td>
<td><strong>1,067</strong></td>
</tr>
<tr>
<td>Number of provider locations that have been approved and are eligible to receive vaccine</td>
<td><strong>359</strong></td>
</tr>
<tr>
<td>Number of potential Phase 1A POD sites proposed by local jurisdictions</td>
<td>TBD</td>
</tr>
</tbody>
</table>

*ADHS will be responsible for reporting provider information to CDC once provider agreements and data submission are complete.*
Provider Recruitment

- Providers interested in becoming COVID-19 vaccinators are encouraged to complete ADHS Onboarding Tool
- County level reports are being distributed weekly to support local planning efforts
- Information on facilities participating in the CDC’s Pharmacy Partnership for LTCF Program will also be shared with local allocators
Pharmacy Partnership for Long-Term Care Program

CDC ACIP has recommended that LTC facility residents and staff are included in Phase 1A

- CDC has shared that the Pharmacy Partnership for LTC Program will initiate vaccination clinics at skilled nursing facilities first
- 100% of Skilled Nursing Facilities in AZ have signed up
- 622+ additional facilities have signed-up for the program in AZ
- Per CDC, a Retail Pharmacy Program will roll out during Phase 2 when vaccine is more widely available to the general public
Vaccine Prioritization
Vaccine and Antiviral Prioritization Advisory Committee (VAPAC)

- VAPAC includes key subject matter experts that play an important role in pandemic vaccine prioritization and allocation
- VAPAC is responsible for reviewing CDC/ACIP guidance and providing recommendations
- ADHS will utilize the recommendations to develop an allocation plan for the state
<table>
<thead>
<tr>
<th>Phase</th>
<th>Priority Population</th>
<th>AZ Estimated Population</th>
<th>Resources to vaccinate pop. group (Y/N)?</th>
</tr>
</thead>
<tbody>
<tr>
<td>1A</td>
<td>Health care personnel, including frontline workers at increased risk for COVID-19 and may have underlying medical conditions</td>
<td>183,895</td>
<td></td>
</tr>
<tr>
<td>1A</td>
<td>Healthcare practitioners and technical occupations (doctors, nurses, pharmacists, EMTs, paramedics, dentists, etc.)</td>
<td>183,895</td>
<td></td>
</tr>
<tr>
<td>1A</td>
<td>Healthcare support occupations (home health aides, nursing assistants, medical assistants, etc.)</td>
<td>70,166</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Long-term care residents at highest risk for severe disease and death, including staff who interact with vulnerable populations</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1A</td>
<td>Skilled nursing facility residents (all are enrolled in CDC Pharmacy/LTC Program)</td>
<td>32,284</td>
<td>CDC Pharmacy/LTC Program will cover ~146 SNFs, residents and staff</td>
</tr>
<tr>
<td>1A</td>
<td>Assisted living, independent living, HUD senior housing (all are enrolled in CDC Pharmacy/LTC Program)</td>
<td>67,416</td>
<td>CDC Pharmacy/LTC Program will cover ~522 ALFs, residents and staff</td>
</tr>
<tr>
<td>1A</td>
<td>Assisted living, independent living, HUD senior living (not enrolled in CDC Pharmacy/LTC program)</td>
<td>18,954</td>
<td></td>
</tr>
<tr>
<td>1A</td>
<td>DES group homes for individuals with developmental disabilities and ICF-IIDs, and staff</td>
<td>3,381</td>
<td></td>
</tr>
<tr>
<td>Phase</td>
<td>Priority Population</td>
<td>AZ Estimated Population</td>
<td>Resources to vaccinate pop. group (Y/N)?</td>
</tr>
<tr>
<td>-------</td>
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</tr>
<tr>
<td></td>
<td>Long-term care residents at highest risk for severe disease and death, including staff who interact with vulnerable populations</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1B</td>
<td>Adults with high risk medical conditions living in shelters or other congregate living settings</td>
<td>62,565</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Prioritized essential workers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1B*</td>
<td>Education and childcare providers (teachers and school staff)</td>
<td>146,305</td>
<td></td>
</tr>
<tr>
<td>1B*</td>
<td>Protective service occupations (law enforcement, corrections, and other emergency response staff)</td>
<td>79,410</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Essential workers (based on CISA and EO 2020-12 definitions)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1B</td>
<td>Power and utility workers</td>
<td>5,692</td>
<td></td>
</tr>
<tr>
<td>1B</td>
<td>Food and agriculture related occupations (packaging and distribution workers, grocery and restaurant workers)</td>
<td>268,800</td>
<td></td>
</tr>
<tr>
<td>1B</td>
<td>Transportation and material moving occupations (public transportation providers, airlines, gas stations, auto shop workers, and other transportation network providers)</td>
<td>227,680</td>
<td></td>
</tr>
<tr>
<td>1B</td>
<td>State and local government workers that provide critical services for continuity of government</td>
<td>TBD by jurisdiction</td>
<td></td>
</tr>
<tr>
<td>1B</td>
<td>Other essential workers (e.g., business and financial services, supply chain for critical goods, funeral services, critical trades, etc.)</td>
<td>TBD by jurisdiction</td>
<td></td>
</tr>
<tr>
<td>Phase</td>
<td>Priority Population</td>
<td>AZ Estimated Population</td>
<td>Resources to vaccinate pop. group (Y/N)?</td>
</tr>
<tr>
<td>-------</td>
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<td>----------------------------------------</td>
</tr>
<tr>
<td>1C</td>
<td>Adults with underlying medical conditions (obesity, COPD, heart disease, diabetes, chronic kidney disease)</td>
<td>2,278,870</td>
<td></td>
</tr>
<tr>
<td>1C</td>
<td>Adults 65+ years and older</td>
<td>1,264,218</td>
<td></td>
</tr>
<tr>
<td>1C</td>
<td>Adults living in congregate settings</td>
<td>TBD by jurisdiction</td>
<td></td>
</tr>
</tbody>
</table>

People at increased risk for severe COVID-19 disease
<table>
<thead>
<tr>
<th>Sub-Priority Population</th>
<th>AZ Estimated Population</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adults from racial and ethnic minority groups</td>
<td>3,207,971</td>
</tr>
<tr>
<td>Adults from tribal communities</td>
<td>299,123</td>
</tr>
<tr>
<td>Adults who are in correctional facilities/incarcerated</td>
<td>60,485</td>
</tr>
<tr>
<td>Adults experiencing homelessness/living in shelters</td>
<td>62,565</td>
</tr>
<tr>
<td>Adults attending colleges/universities</td>
<td>327,385</td>
</tr>
<tr>
<td>Adults living and working in other congregate settings</td>
<td>54,598</td>
</tr>
<tr>
<td>Adults living in rural communities</td>
<td>1,091,343</td>
</tr>
<tr>
<td>Adults with disabilities</td>
<td>946,481</td>
</tr>
<tr>
<td>Adults who are uninsured or under-insured</td>
<td>808,643</td>
</tr>
<tr>
<td>Adults who are non-English speaking</td>
<td>96,696</td>
</tr>
<tr>
<td>Adults with Medicaid (AHCCCS)</td>
<td>1,820,262</td>
</tr>
<tr>
<td>Pregnant women <em>(ACIP recommendations pending)</em></td>
<td>72,500</td>
</tr>
<tr>
<td>Children age 17 and under <em>(ACIP recommendations pending)</em></td>
<td>1,646,177</td>
</tr>
</tbody>
</table>
General Overview of Arizona’s Vaccine Distribution System
The CDC distributor will direct ship vaccine to providers that are approved to receive an allocation.

Per CDC, some federal entities with immunization infrastructure may receive a direct allocation of COVID-19 vaccine during Phase 1.

Providers that want to be eligible to receive a state allocation must complete the ADHS provider onboarding process.

State distribution will follow a local allocator model:

1. CDC pandemic vaccine distributor or manufacturer(s)
2. 15 County Health Departments
3. Participating Tribal 638 Facilities
4. Pre-designated locations, e.g., IHS, pharmacies, LTCF, etc.
5. Pre-designated clinic or hospital locations to include tribal populations not covered by tribal 638 facilities
6. Pre-designated clinic or hospital locations
7. Vaccination Clinics for Prioritized Target Groups
8. Subsequently
9. Pandemic vaccine available for the general population
# Overview of Vaccine Distribution Process

<table>
<thead>
<tr>
<th>PROVIDER ONBOARDING</th>
<th>INITIAL ALLOCATION</th>
<th>ORDERING</th>
<th>DISTRIBUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Providers interested in receiving a state allocation of COVID-19 vaccine must complete <a href="#">ADHS Onboarding Tool</a>.</td>
<td>Once a vaccine receives a FDA EUA or BLA, CDC ACIP will provide recommendations on high-risk priority populations.</td>
<td>During PHASE 1 Local Allocators will determine which sites will get vaccine, ADHS will place the orders in ASIIS.</td>
<td>CDC distributor or the vaccine manufacturer will direct ship vaccine to providers. Pfizer vaccine is expected to ship in a minimum order of 975 doses per tray requiring cold chain storage at -60 to -80°C. Special shipping containers will maintain temp. for ~10 days with dry ice.</td>
</tr>
<tr>
<td>Long-term care facilities can <a href="#">sign up</a> for the CDC pharmacy partnership program with Walgreens / CVS until November 20, 2020.</td>
<td>Once there is a vaccine available, VAPAC will review CDC guidance and develop state allocation recommendations.</td>
<td>Later, during PHASE 2 Providers place vaccine orders in ASIIS.</td>
<td>McKesson will direct ship ancillary kits (e.g. needles, PPE, etc.) to providers. Kits are expected to contain enough supplies to vaccinate 100 patients, so there will be 10 kits shipped to complement each Pfizer vaccine tray.</td>
</tr>
<tr>
<td>Some federal entities may receive a direct allocation (e.g. IHS, DOD, etc.) and will enroll directly with CDC.</td>
<td>Vaccine will be allocated to local allocators (counties &amp; tribes that opt-in) to further distribute to priority populations within local jurisdictions.</td>
<td>ADHS reviews and submits approved orders to the CDC.</td>
<td></td>
</tr>
</tbody>
</table>

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**ARIZONA DEPARTMENT OF HEALTH SERVICES**

*Health and Wellness for all Arizonans*
Federal entities that will receive direct allocation

<table>
<thead>
<tr>
<th>Agency</th>
<th>Population Included</th>
</tr>
</thead>
</table>
| Federal Bureau of Prisons (BoP)     | • All BoP-managed facilities: facility staff and inmates  
• Not included: private contracted facilities and contracted residential reentry centers (RRCs) | |
| Department of Defense (DoD)         | • Active duty and their dependents  
• Retirees (does not include dependents of retirees)  
• US Coast Guard  
• Reserves and National Guard (including those not activated); *this is subject to approval so suggest including in jurisdictional awardee plans, too*  
• DoD civilian and contractor employees (those who regularly receive care through DoD as well as those who don’t) | |
| Department of State (DoS)           | • All personnel under Chief of Mission eligible to receive care through DoS  
• Stateside civil service employees | |
| Veterans Health Administration (VHA) | • VHA staff (including volunteers and trainees) and veterans regularly receiving care at VHA facilities  
• **Not included: State Veterans Homes**  
• Relatively small number of location-dependent, mission-critical Department of Homeland Security employees | |
| Indian Health Service (IHS)         | • Tribal nations to choose best route for vaccine allocation (awardee jurisdiction or IHS)  
• Potentially includes IHS/Tribal/Urban Health facility staff and individuals served | |
Public Access to COVID-19 Vaccine
Phase 1A Vaccine Sites

Proposed Phase 1 POD Sites

Metro Phoenix

Metro Tucson
Pandemic Vaccine Planning: Priority Populations Dashboard

- **Healthcare Practitioners**: 183,895
- **Healthcare Support**: 70,166
- **Protective Services**: 82,330
- **Essential Workers**: No Data
- **Underlying Medical Conditions**: 2,278,870
- **Older Adults >65 yrs**: 183,895

Source: Esri 2020/2025 Updated Demographics

Map data © OpenStreetMap contributors, CC-BY-SA 4.0

ARIZONA DEPARTMENT OF HEALTH SERVICES

Health and Wellness for all Arizonans
# Pandemic Vaccine Planning: Priority Populations Dashboard

<table>
<thead>
<tr>
<th>Category</th>
<th>Count</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Healthcare Practitioners</td>
<td>123,208</td>
<td>Esri 2020/2025 Updated Demographics</td>
</tr>
<tr>
<td>Healthcare Support</td>
<td>44,667</td>
<td>Esri 2020/2025 Updated Demographics</td>
</tr>
<tr>
<td>Protective Services</td>
<td>43,204</td>
<td>Esri 2020/2025 Updated Demographics</td>
</tr>
<tr>
<td>Essential Workers</td>
<td>No Data</td>
<td></td>
</tr>
<tr>
<td>Underlying Medical Conditions</td>
<td>1,319,260</td>
<td>CDC</td>
</tr>
<tr>
<td>Older Adults &gt;65 yrs</td>
<td>123,208</td>
<td>Esri 2020/2025 Updated Demographics</td>
</tr>
</tbody>
</table>

**Maricopa County, Arizona**

2018 Overall SVI Score: 0.64
Possible scores range from 0 (lowest vulnerability) to 1 (highest vulnerability).
A score of 0.64 indicates moderate to high vulnerability.

**Data Dictionary**

**Theme Rankings**

**CDC Social Vulnerability Index 2018 - USA - Overall SVI - Counties**

- Overall percentile ranking:
  - 0.75 - 1.0
  - 0.5 - 0.75
  - 0.25 - 0.5
  - 0.0 - 0.25
  - Data unavailable

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**ARIZONA DEPARTMENT OF HEALTH SERVICES**

*Health and Wellness for all Arizonans*
Vaccine Cost
Ensuring the availability of COVID-19 vaccine without financial barriers:

- CMS plan to support provider billing
- Executive Order 2020-57, requires vaccinators to be considered “in-network”
- 2020-58 requires providers to make COVID_19 vaccine available at no cost.
Second Dose Reminders
Second Dose Reminders

- ASIIS reporting is a COVID-19 Vaccination Program participation requirement, and the system includes reminder/recall capability.

- Data may be exported from ASIIS or electronic health records to generate auto-phone call and SMS text reminders (Pfizer and other companies have programs that specialize in patient reminders).

- Patient reminder cards will be included in vaccine kits, with fact sheets including VIS/EUA/Other info; and patients will be encouraged to set up appointments for their second dose before they leave the site for their first dose.

- CDC is looking at solutions for ensuring access to the correct presentation for a second dose in each state.

- ADHS is looking at the possibility of sharing COVID vaccination data between state IZ programs to ensure proper second dose presentation is selected.
Vaccine Reporting
**AZ IMMUNIZATION DATA/INVENTORY EXCHANGE**

**Executive Order 2020-07**

- EMRs connect to HIE
- Pharmacy HIE/ASIIS by middle Interface.
- ~2,000 connected
- Traditional Vaccine Providers: Pediatrics, FQHCs and LHD use data entry & 500 locations EMR exchanges. IHS HL7/data entry

**Adult/Speciality**

**Hospital EMRs**

**ARIZONA DEPARTMENT OF HEALTH SERVICES**

Health and Wellness for all Arizonans
Vaccine Safety Monitoring
Vaccine safety assessment for essential workers (V-SAFE)

1. Text messages or email from CDC with follow-up – daily 1st week post-vaccination and weekly thereafter out to 6 weeks.

2. Any clinically important event(s) reported by vaccinated person.

3. Follow-up on clinically important event, complete a VAERS report if appropriate.

Healthcare workers, essential workers, etc.
Vaccine Communication
Provider Communication Materials

- ADHS has launched COVID-19 vaccine surveys to HCPs and general population to help develop targeted messaging.

- Early messaging will include information about vaccine safety and efficacy for HCPs and critical populations.

- Community partnerships will be key to developing a coordinated strategy to reach high-risk populations.

- Communication materials such as the Roll Up Your Sleeve flu campaign will continue to be available for providers to use.
THANK YOU!

Questions?