

# Effective COVID-19 General Update & Vaccine Distribution Plan

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# COVID-19 cases increasing exponentially with anticipated peak far greater than July



Table 1. COVID-19 daily case counts (as of 5pm 12/7/20)

	Total number of cases*		Cases as of yesterday†	
	number	(%) (% overall)	number	(change)
<b>Cases</b>	238187	(100%)	228363	(+9824)
Luke AFB	186	(0%)	186	(+0)
<b>Gender</b>				
Female	124038	(52%)	118903	(+5135)
Male	114149	(48%)	109460	(+4689)
<b>Age group</b>				
0-19 years	35661	(15%)	33743	(+1918)
20-44 years	113940	(48%)	109704	(+4236)
45-64 years	62920	(26%)	60386	(+2534)
65+ years	25346	(11%)	24215	(+1131)
Unknown	320	(0%)	315	(+5)
<b>Hospitalized‡</b>	17696	(7%)	17382	(+314)
<b>ICU‡</b>	1657	(1%)	1643	(+14)
<b>Deaths</b>	4173	(2%)	4150	(+23)

\*This is a rapidly-evolving situation. The Maricopa County case count might vary slightly from that of ADHS depending on the time of day data were downloaded. This breakdown includes all cases to date in the outbreak (1/22/2020 – present).

†Changes in numbers represent cases reported to Public Health in the last 24 hours. Daily counts will fluctuate due to variances in reporting systems. Public Health reviews all case data received to ensure accuracy.

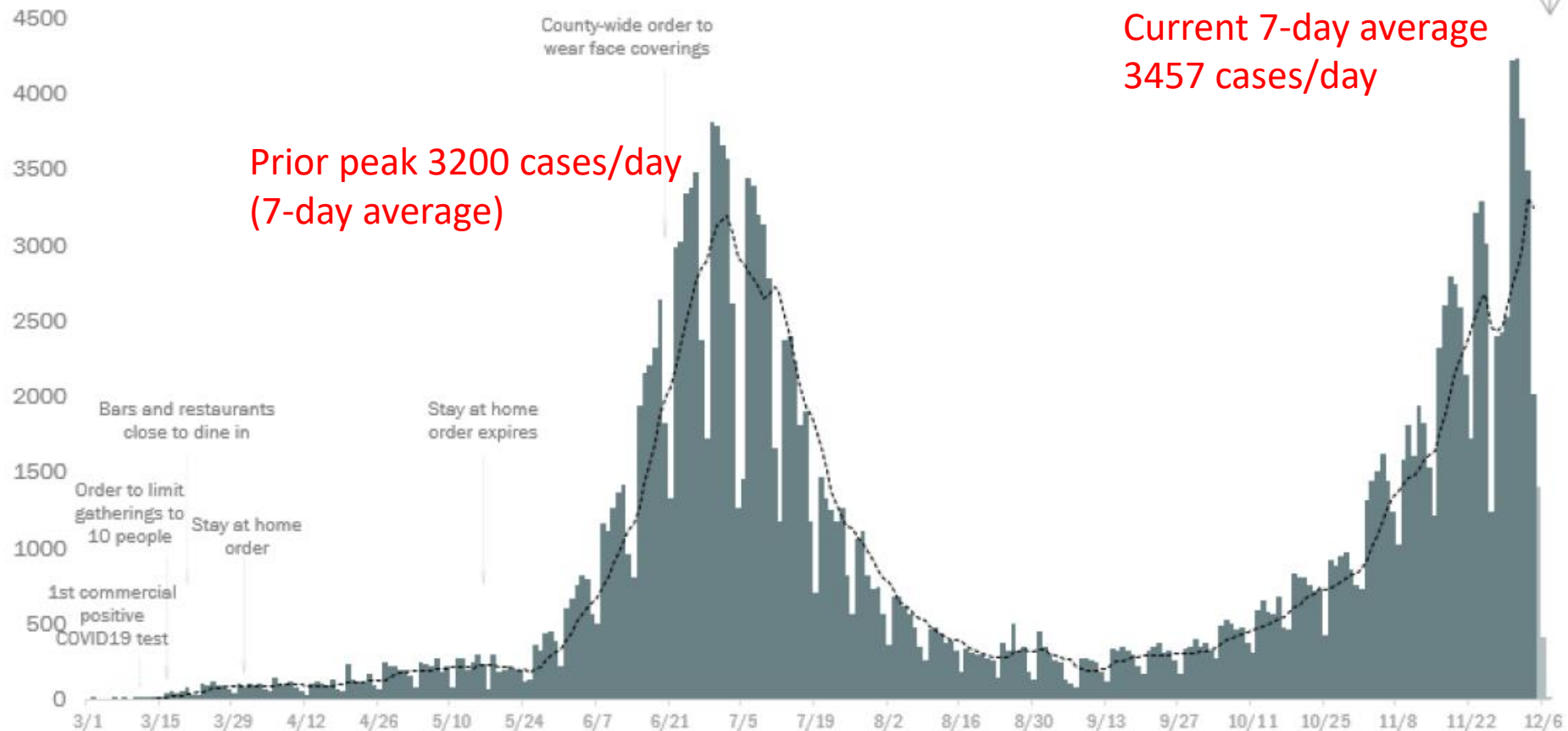
‡This count includes all cases ever hospitalized or admitted to the ICU during their illness.

# Epi Curve



Maricopa County has received **238,187 confirmed and probable COVID-19 cases.**

This number is likely to increase as there is a 3 day reporting delay from when specimens were collected.



Date of specimen collection

The dotted line, or trend line, represents an average of the last 7 days.

Epi Curve by Daily Case Counts

# COVID-19 Vaccination Plan

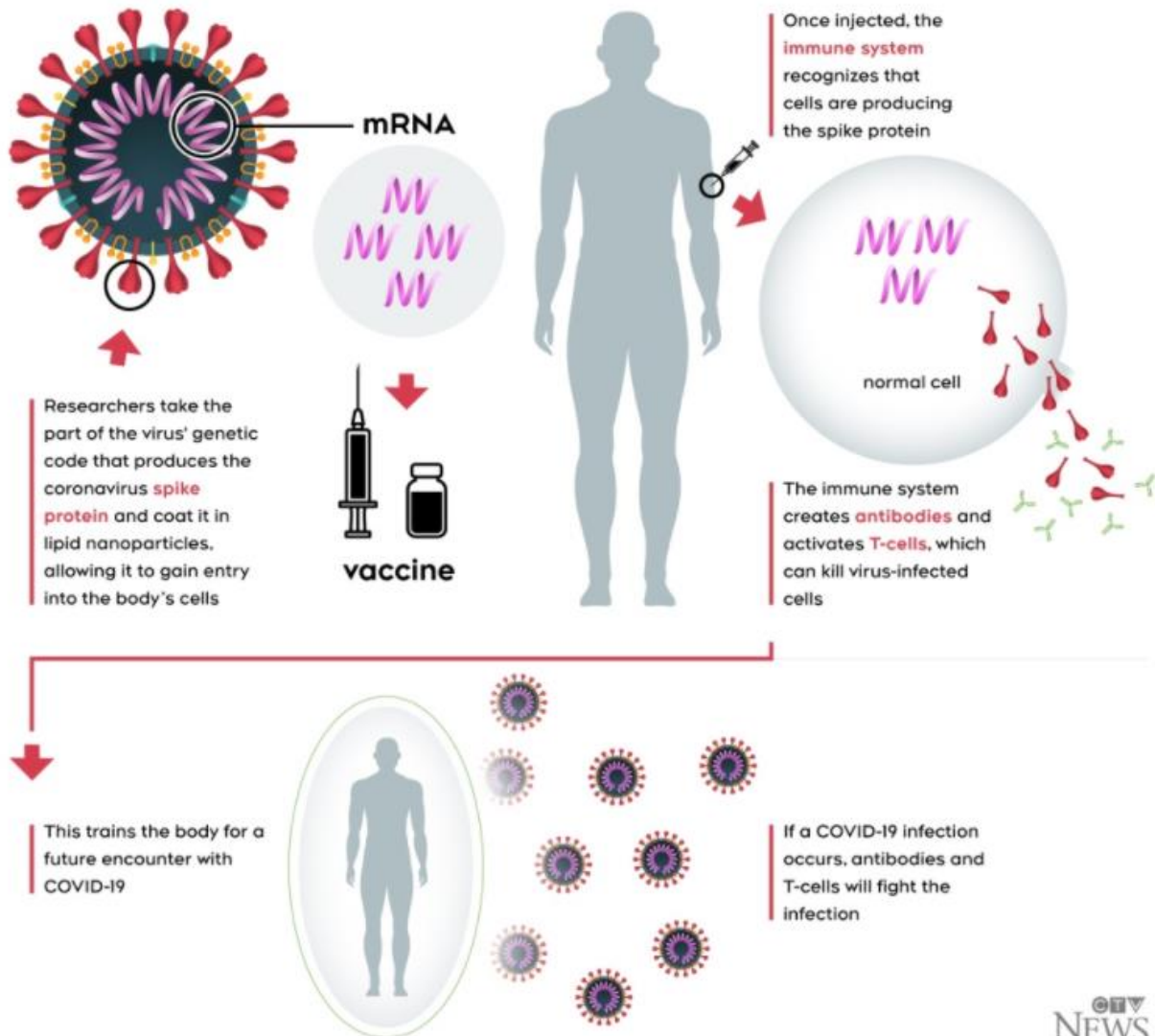
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# COVID-19 Vaccine Candidates



- The CDC COVID-19 Vaccination Program Interim Playbook for Jurisdiction Operations has made planning assumptions based on the 2 leading vaccine candidates
- Both vaccines are mRNA vaccines (messenger ribonucleic acid)
  - They do NOT contain the complete virus or the complete viral genome
  - They contain a segment of the viral genome that makes the recipient's body generate an immune response as if it encountered the live virus
  - This results in the immune system creating antibodies to the virus without becoming infected first

# mRNA Vaccine



mRNA vaccines are a new type of vaccine to protect against infectious diseases. To trigger an immune response, many vaccines put a weakened or inactivated germ into our bodies. Not mRNA vaccines.

Instead, they teach our cells how to make a protein—or even just a piece of a protein—that triggers an immune response inside our bodies. That immune response, which produces antibodies, is what protects us from getting infected if the real virus enters our bodies.

# Facts about COVID-19 mRNA Vaccines



- They CANNOT give someone COVID-19.
  - MRNA vaccines do not use the live virus that causes COVID-19.
- They DO NOT affect or interact with our DNA in any way.
  - MRNA never enters the nucleus of the cell, which is where our DNA (genetic material) is kept.
  - The cell breaks down and gets rid of the mRNA soon after it is finished using the instructions.

# Vaccine Side Effects (Adverse Events)



- Side effects are expected
- When the body's immune system mounts a response to a natural infection OR vaccination the result is local and/or systemic inflammation
- Local inflammation: injection site soreness, redness, swelling
- Systemic inflammation includes fever, muscle aches, headache
- The stronger the immune response, the more prominent the side effects
- The healthier the individual, the stronger the immune response





# COVID Vaccine



1st

- **Advisory Committee on Immunization Practices (ACIP)**
- **Makes vaccine recommendation**
- **Met on October 30<sup>th</sup> to decide their guidelines**
- **Will make a recommendation after FDA reviews (can't happen until a vaccine company applies)**

2nd

- CDC Director
- Incorporates into the overall strategy

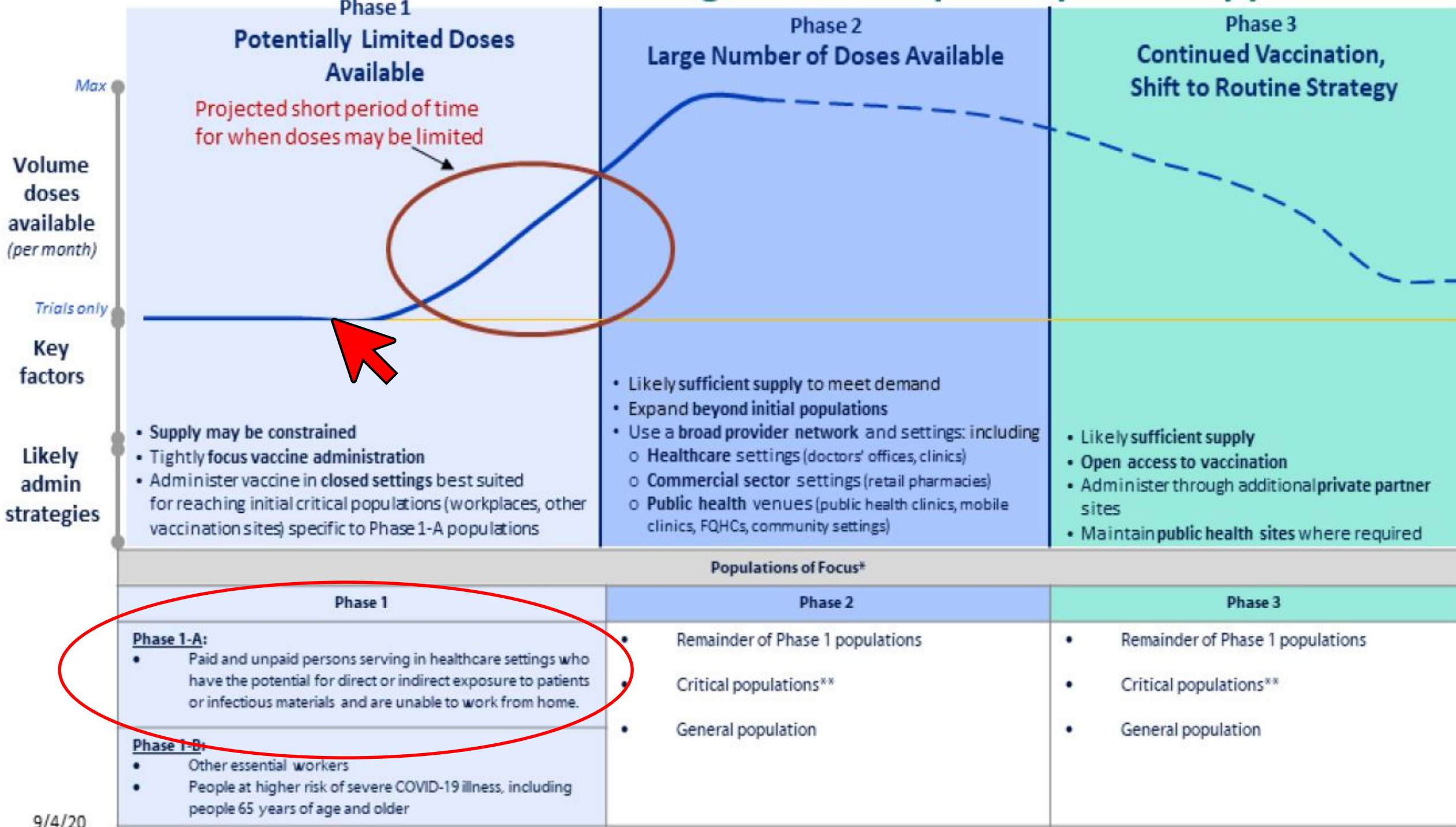
3rd

- Arizona Vaccine and Antiviral Prioritization Advisory Committee (VAPAC)
- Make recommendations to counties
- Counties hold internal advisory committees (**MCDPH held first one 10/30/20**)

# Vaccine-associated Side Effects- Policy



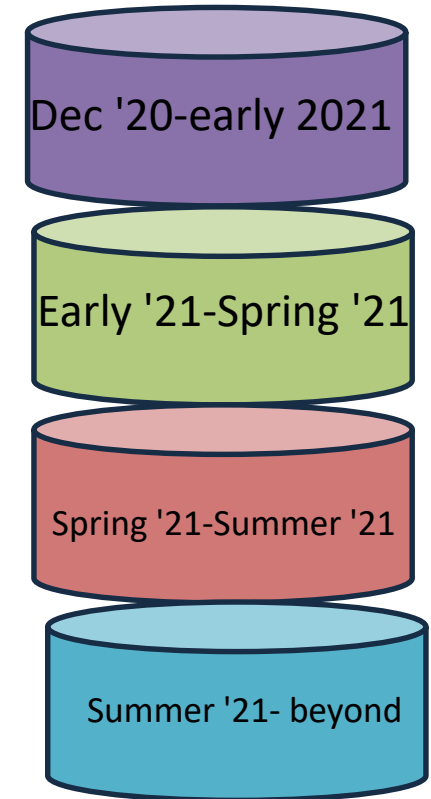
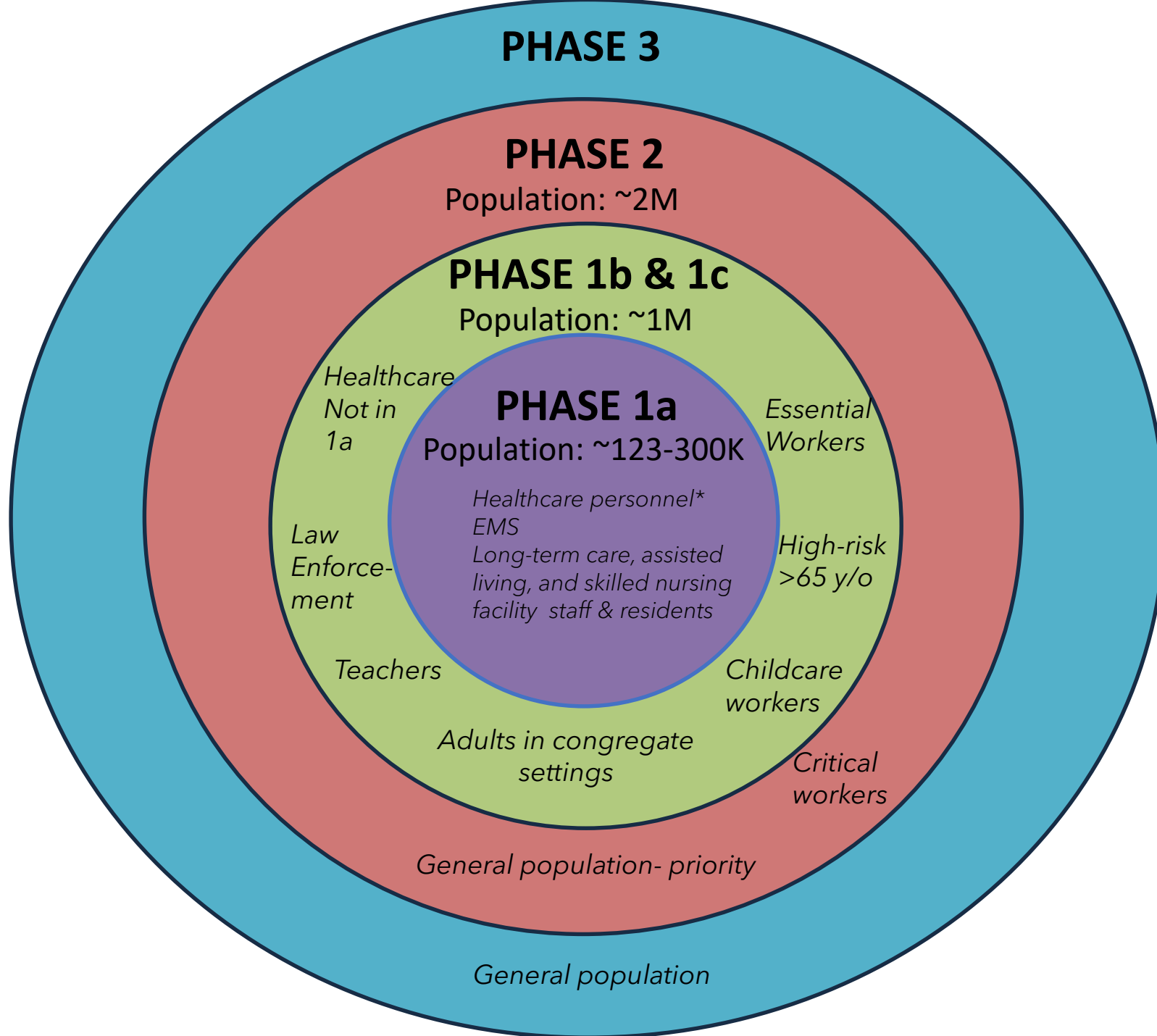
- Individuals who are vaccinated against SARS-CoV-2 (the virus that causes COVID-19) and develop post-vaccine side effects including injection site pain, mild to moderate fever and/or chills within 24 hours of vaccination should attribute their symptoms to vaccination if the symptoms resolve in 24 hours
- Vaccinated individuals whose side effects resolve within 24 hours of vaccination are be able to return to work without restriction
- Negative COVID testing is NOT required of vaccinated individuals whose side effects have resolved within 24 hours of vaccination



# How much?



- Federal government will make allocation to state
  - All we know now is CDC is asking AZ to "exercise" based on a 200k dose state allocation
  - We know some will be taken off the top for pharmacies and tribes to immunize long term care facility staff
- State will make allocation to County
- State VAPAC group met on Thursday, Dec. 3rd
- Slow spigot– assuming not enough at first
- Phased approach based on CDC playbook



# Phase 1A COVID-19 Vaccine



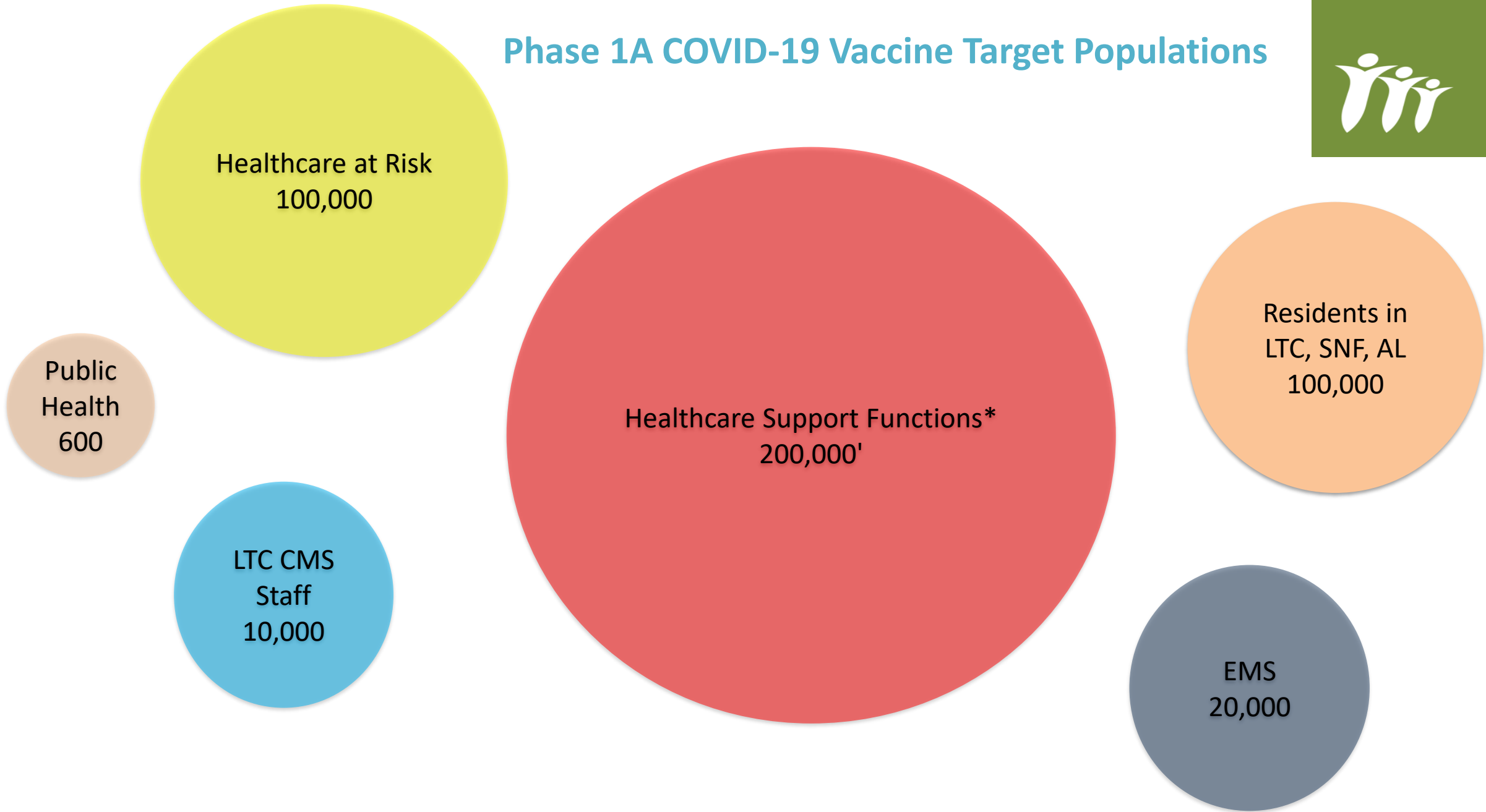
- **Phase 1A Healthcare:**
  - Paid and unpaid persons serving in **healthcare** settings who have the potential for direct or indirect exposure to patients or infectious materials and unable to telework
  - Estimate varies based on local definition of who is most at risk
  - Initial focus is on 123,000
  - Unlikely we will have enough for 123,000
  - Prioritized based on risk of infection
  - Counties/tribes will decide sub-prioritization (MC-VPAC)

# Maricopa County VPAC Representatives



- Healthcare (IP/OP) Organizations
  - Abrazo Health
  - Banner Health
  - Dignity Health
  - Honor Health
  - Mayo Clinic
  - Phoenix Children's Hospital
  - Valleywise Health
  - Wickenburg Community Hospital
- LTC (HSAG)
- FQHC, OP (AACHC)
- OP Providers (MCMS)
- OP Nurses (AZNA)
- EMS-Municipal
- EMS-Private (AMR)
- Home Health (AZ Home Care)
- Hospice

# Phase 1A COVID-19 Vaccine Target Populations





# Planning for 1A Distribution



- Vaccine availability
  - Vaccine A (Pfizer) is the only one available
  - We won't have enough vaccine and will need to sub-tier prioritize
  - Minimum order is 1,000
  - Must be stored at  $-70^{\circ}\text{C}$
  - Requires mixing of diluent prior to administration
  - Fragile vaccine
- General Assumptions
  - Vaccine will be provided free of charge
  - Insurance can be billed an administrative fee
  - Vaccine will not be mandatory

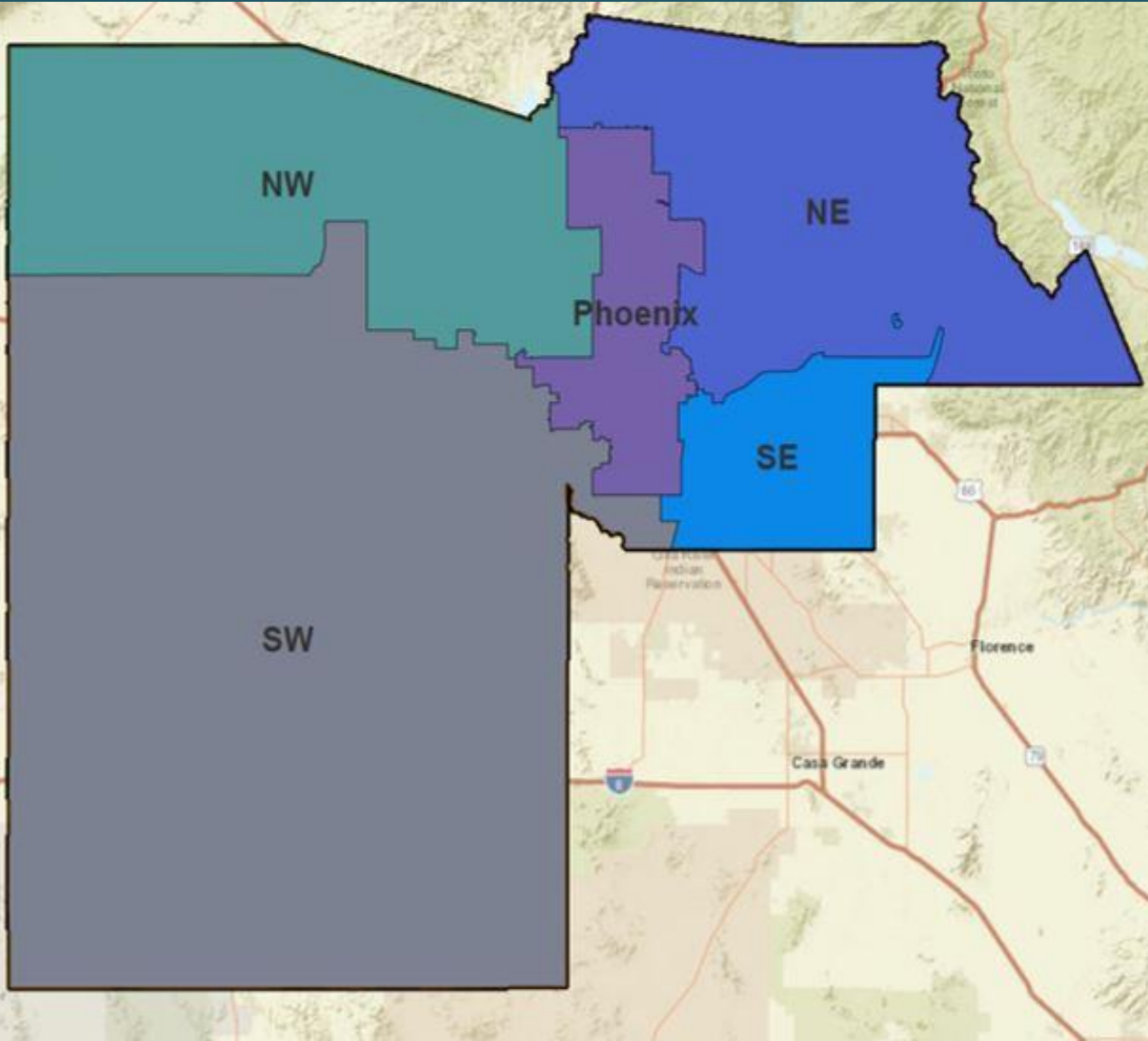


# Planning for 1A Distribution



- Smaller sites do not have the ability to vaccinate 1,000 people
- Traditional vaccine distribution will not work for Vaccine A
- Each site must complete the Provider On Boarding Tool with ADHS
- Doses must be reported to the Arizona Immunization System within 24 hours
- Pooling resources and partnering with hospitals to maximize planning

# Phase 1A Regional PODs



## Early Planning

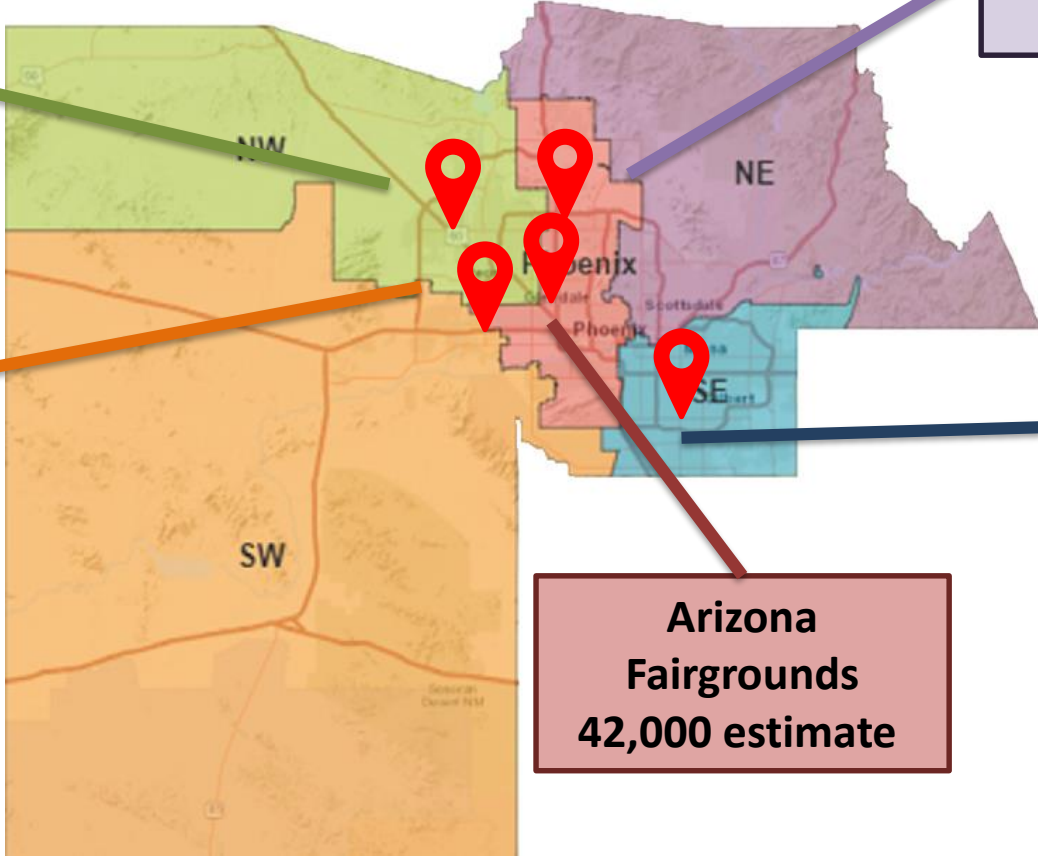
- Regional planning committee for each site
  - Hospital, city emergency management, County Public Health, County Emergency Mgmt, EMS and tribal representatives
- 7-18 days – first dose
- Ultra-cold storage on site
- Registration system to meet necessary eligibility, screening, consent and documentation requirements
- All eligible healthcare must go to one of the 5 POD sites
- **MCDPH will NOT allocate to providers during this time**

# Regional Locations



Banner Del Web  
24,000 estimate

Abrazo West  
6,000 estimate



NSSC - Honor Health  
Corporate  
15,000 estimate

Arizona  
Fairgrounds  
42,000 estimate

Chandler-Gilbert  
Comm .College  
36,000 estimate

# Partners



- NW Region – Banner Del Web, Banner Health-Lead Agency
  - Support from Surprise
- SW Region – Abrazo West, Abrazo/Valleywise-Lead Agencies
  - Support from Goodyear
- Central Region – AZ Fairgrounds, Banner Health-Lead Agency
  - Support from Phoenix
- NE Region – Network Support Services Center (NSSC), Honor Health – Lead agency
  - Support from Mayo, Scottsdale, Phoenix
- SE Region – Chandler/Gilbert, Dignity Health Lead Agency
  - Support from Chandler

# Staffing



- HealthCare Staff
- Hospital Volunteers
- EMS
- Public Health Volunteers – Medical Reserve Corps
  - Nursing Schools
  - ARMA, MCMS, AZ Nursing Association
- National Guard

# Screening Process



All healthcare workers are pre-screened through Maricopa County system



Maricopa County identifies vaccine participants based on amount of vaccine available and risk factors



E-mail sent to invite healthcare workers to sign up for an appointment

# Phase 1B & 1C Distribution Plan



- Hybrid distribution strategy – Potentially utilize 1 or more POD's, contracted vendors and traditional vaccine allocation system
- Public Health begins allocating to providers who have completed the state/federal onboarding tool
- Large companies (e.g. APS and SRP) with contracted closed PODs can receive vaccine and vaccinate their employees
- Pharmacies will likely play a larger role in vaccination



# Phase 2 – Spring 2021

## Traditional Vaccine Model



- All those remaining in Phases 1A and 1B
- General population
- Regional PODs will no longer be necessary
- Local providers, FQHC's pharmacies and healthcare systems will vaccinate the remainder of the population who wants to be vaccinated

# Communicating this to partners



- Weekly vaccine task force meetings since September
- MC-VPAC meetings - Oct. 30 and Dec. 3
- Fire Chief's briefing – Nov. 2
- Law Enforcement Briefing – Nov. 23
- POD planning meetings 2-3 times per week
- Weekly Healthcare webinar since Feb.
- Weekly Municipal webinar since Feb
- Meetings per partner request - City of Phoenix MAC, various Emergency Managers meetings

# Next Steps



- Support mitigation efforts that are in place to help slow spread and prevent overwhelming our healthcare system
- Present our vaccine distribution plan details with local jurisdictions
- Start to operationalize the COVID-19 vaccine distribution plan as vaccine becomes available in Arizona