

Provider Education Committee Agenda

August 12, 2024 | 12:00pm-1:30pm



Welcome and Introductions.....	Blanca Martinez
TAPI Update.....	James Washington
Partner Presentation.....	GSK/Brian Tieu
ADHS/AIPO Update.....	Juanita Celis
Respiratory Illness Season/Mpox	Dr. Joel Terriquez
TIPS training/Disease Flyer	Blanca Martinez
Website Review	James Washington


NEXT MEETING DATE:

Provider Education Committee Meeting
Monday, October 21, 2024
12:00pm - 1:30pm

***** please note date change due to holiday*****

Provider Education Committee


August 12, 2024
12pm-1:30pm



1

Welcome and Introductions


Blanca Martinez
TAPI



2

TAPI Update

James Washington
TAPI



3

Staffing update


Jazmin Michael, Community Partner Development

- Community Awareness Committee (Blanca Martinez)
- TAPI Website (James and Jennifer)
- Educational Material development-(Karen Symanski, Contractor)
- Every Action-listserv, contact database (Patty Macias)

Your feedback is welcomed!


- Community Awareness Committee
- Communication (internal and external)
- Educational materials

James Washington, jamesw@tapi.org or 602-738-9782




4


Vaccine Financing Council




Low VFC ceiling set in (1996 & 2012)




No additional antigen reimbursement on combo vaccines (Medicaid)



Low margins on private vaccine purchased



New vaccine payment lag (ACA 1 year + 6 months codes loaded)




Limited networks

Next Steps:

- Seeking physician participation (impacted by vaccine financing).
- TAPI will host the initial workgroup then partner with associations.
- Workgroup will prioritize what to tackle first and how to mobilize for Federal advocacy.

Join the Workgroup: jennifert@tapi.org



5

Community of Practice



Wednesday, Aug. 21, 2024
12:00 - 1:00 PM

Topic:
How do you structure staffing to support vaccine management and administration?

Communities of practice offer a framework for practitioners to connect virtually, monthly, for knowledge exchange, knowledge creation, and mutual support.

The Community of Practice will host virtual meetings where participants can ask questions of their peers, share workflows and other best practices and TALK with one another.

Designed especially for:
practice managers, VFC coordinators and other leaders employed by a practice, clinic or health center

REGISTER NOW

Developed by:

- Vaccine Congress and ADHS VFC Policy workgroup participants

Monthly topics:

- Staffing and training
- Back to School

Participants:


- 12 of 15 counties
- FQHS, private practice, IHS, non-profit and health depts.



6

Partner Presentation


Brian Tieu
GSK



7

ADHS/AIPO Update

Juanita Celis
ADHS





8

Vaccine Center Updates
08/12/2024

Presenting to TAPI


Juanita Celis | Immunizations Special Programs Manager

9

New VFC Operations Guide

- The new [VFC Operations Guide](#) and one page [VFC Policy Changes & Updates Summary](#) can be easily accessed on the Arizona Immunization Page, the VFC Home Page in the announcement Box, or on the Immunization Conference website under Handouts and Slides.




10

VFC 2024 Annual Re-Enrollment


- Re-enrollment started on **May 3, 2024** and ends on **August 31, 2024**. An email was sent to all enrolled providers with the announcement.
- Providers will be required to re-enroll for the 2024 VFC year by completing the Provider Agreement and uploading ALL required re-enrollment documents to <https://redcap.link/reenrollment2024>
- Additional information can be found in ASIIS under Announcements on the home page.

Please note: There has been a change in facility-type reporting. Community Health Center is no longer an option. If your facility was identified as a Community Health Center in previous years, please select Community Vaccinator as your facility type if it is still applicable.




11

Re-Enrollment 2024




As of 08/09/2024

- Total Number of records assigned to staff for review : **542**
 - Number of records approved (completed): **504**
 - Number of records assigned for review but not yet approved: **39**
 - VFC providers who have not started re-enrollment: **64**
- Several emails have been sent to VFC providers regarding re-enrollment. The most recent email sent on 08/05/2024 was sent to providers who still need to start their re-enrollment.



12

August is National Immunization Awareness Month




August is **National Immunization Awareness Month (NIAM)**, an annual observance that highlights the importance of vaccination for people of all ages.

- An **August is National Immunization Awareness Month** granicus was sent to VFC providers on 08/05/2024.
- The Bureau of Immunization Services (BIS) also has an Immunization Quality Improvement for Providers (IQIP) team that works with VFC providers over the course of a year to identify ways to improve immunization coverage rates for child and adolescent immunizations in their practices.
- If your site is a participating VFC provider and is interested in an IQIP visit, please contact ArizonaVFC@azdhs.gov to connect with the team.

ARIZONA DEPARTMENT OF HEALTH SERVICES
Health and Wellness for all Arizonians

13



- The Flu Order sets will become available once 25% of the doses are in the warehouse. BIS will notify the VFC/VFA providers when flu orders can be placed.
- The flyer for the **2024-2025 Pediatric Influenza Vaccine**, which lists the different available presentations that can be ordered through ASIS, is now available.
 - It will be posted on the ASIS Home Page under Announcements.
- Newly added to the **Arizona VFC Program Operations Guide**, Provider locations may use private stock, seasonal influenza vaccine for VFC-eligible children and replace it when VFC vaccine becomes available. This one-directional borrowing is unique to seasonal influenza vaccine.

ARIZONA DEPARTMENT OF HEALTH SERVICES
Health and Wellness for all Arizonians

14

Shipping updates



VFC/VFA
No vaccine deliveries on

- Monday, September 2nd (Labor Day)
- Monday, October 14th (Columbus Day)
- Monday, November 11th (Veteran's Day)

ARIZONA DEPARTMENT OF HEALTH SERVICES
Health and Wellness for all Arizonians

15

Pediatric Vaccine Changes/Updates:

NEW NDCs: (Available for ordering in August)

Bavarian Nordic:

- Jynneos; MPOX; IPV; SDV; 10-pack; NDC: 50632-0001-03
 - Eligibility 18+ and must meet VFC eligibility requirements
 - A Granicus and RedCap email was to VFC providers with additional information.

Sanofi Pasteur-

- MenQuadfi® will be supplied in packages of 10 vials instead of 5 vials. We anticipate the transition will occur in August 2024.
 - MenQuadfi® NDC replacement is 49281-0590-10

CDC Purchase Policy Regarding Discontinued NDCs: Once the federal inventory is depleted, NDCs discontinued on CDC contracts will not be distributed by CDC, even if they are still available for purchase on the private market.

ARIZONA DEPARTMENT OF HEALTH SERVICES
Health and Wellness for all Arizonians

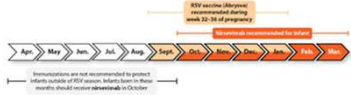
16

Pediatric Vaccine Changes/Updates:

Pfizer: Abrysvo® -

- As of Thursday, August 8th, RSV ABRYVO® is **OPEN** for ASIS orders for VFC-eligible pediatric maternal patients. The Order Set can be found in ASIS VOMS as "RSV/NIRSEVIMAB - VFC."

The table below indicates when ABRYVO® or Nirsevimab should be administered:



ARIZONA DEPARTMENT OF HEALTH SERVICES
Health and Wellness for all Arizonians

17

Best ASIS Selection

Vaccine Name- Best ASIS Selection(CPT/CVX codes)

- Update June 2024
- List can be found in the ASIS main page at the bottom of the page under valuable links
- [List of vaccine names best ASIS selection](#)

ARIZONA DEPARTMENT OF HEALTH SERVICES
Health and Wellness for all Arizonians

18

COVID Vaccine Updates:


- New Vaccines are expected to be available for the new season in **September 2024**.

Additional information will be shared through RedCap emails and Granicus when it becomes available.

For up-to-date COVID-19 Presentations please visit:

- [COVID-19 Vaccine Presentations Available to Order in ASIIS](#)
- [Stay Up to Date with COVID-19 Vaccines and Boosters](#)

COVID-19 Returns Reminder: COVID-19 vaccines obtained through the VFC or VFA will need to be returned to McKesson if spoiled/expired, as is the case for other routine vaccines.




19

Communications Updates:

- The BIZS will send mass email updates (via granicus system) on pertinent VFC/VFA or COVID-19 vaccine information as well as provide regular clinical information on vaccine schedules and general vaccine reminders. The granicus library page can be accessed at any time for a historical record of previously sent updates at:

[Healthcare Professionals and Immunization Staff - Publications & Documents](#) Last update August 2024



20


QUESTIONS



21

THANK YOU

Juanita Celis | Immunizations Special Programs Manager
Juanita.celis@azdhs.gov | 602-828-4816
 azhealth.gov
 @azdhs
 facebook.com/azdhs




22

Respiratory Illness Season/Mpox

Dr. Joel Terriquez

ADHS



23




The winter is coming:


Preparing ourselves for the next respiratory season

Joel Terriquez, MD, FIDSA, CIC
 Medical Director
 Bureau of Infectious Diseases Services/Bureau of Immunizations Services

24

Respiratory season viruses and Mpox

- Influenza
 - H5N1
- COVID-19
- Respiratory syncytial virus
- Mpox



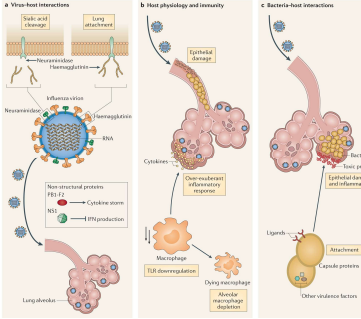
25

Influenza

26

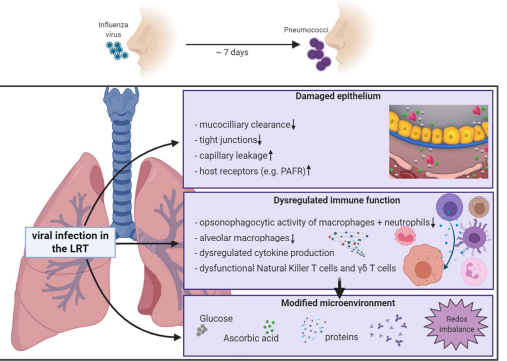
Influenza

- The respiratory epithelium is the only site where the hemagglutinin (HA) molecule is effectively cleaved
- Obstruction of the airways, loss of alveolar structure, loss of lung epithelial integrity from direct epithelial cell killing, and degradation of the critical extracellular matrix.
- Infects respiratory epithelial cells from the upper (including nasal) through lower (to the alveoli) respiratory tract.



27

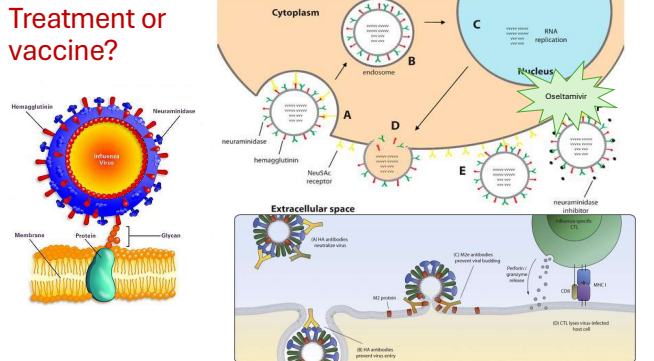
Complications



- Post viral bacterial pneumonia
- Inflammation causes local mucosal damage
- Decreased inflammatory mediators and inflammatory response
- Modified microenvironment

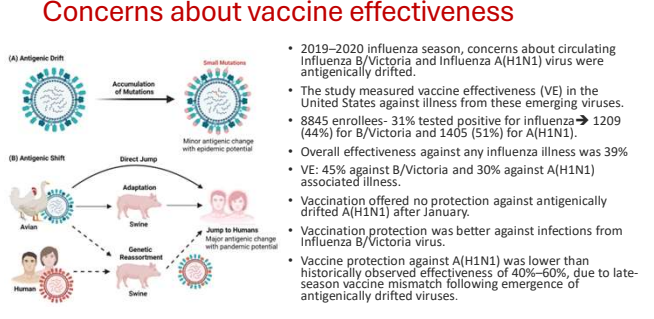
28

Treatment or vaccine?



29

Concerns about vaccine effectiveness

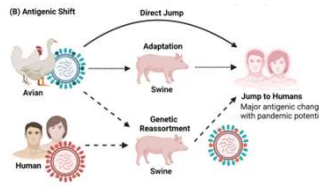


- 2019–2020 influenza season, concerns about circulating Influenza B/Victoria and Influenza A(H1N1) virus were antigenically drifted.
- The study measured vaccine effectiveness (VE) in the United States against illness from these emerging viruses.
- 8845 enrollees- 31% tested positive for influenza → 1209 (44%) for B/Victoria and 1405 (51%) for A(H1N1).
- Overall effectiveness against any influenza illness was 39%
- VE: 45% against B/Victoria and 30% against A(H1N1) associated illness.
- Vaccination offered no protection against antigenically drifted A(H1N1) after January.
- Vaccination protection was better against infections from Influenza B/Victoria virus.
- Vaccine protection against A(H1N1) was lower than historically observed effectiveness of 40–60%, due to late-season vaccine mismatch following emergence of antigenically drifted viruses.

30

Influenza H5N1

- Currently circulating A(H5N1) viruses do not have the ability to easily bind to receptors that are most prevalent in the human upper respiratory tract
- Not easily transmissible to and between humans
- Sporadic human infections are anticipated
 - If this influenza A virus acquires the ability to infect and be transmitted between humans, an influenza pandemic could occur.
- **Current health risk to the U.S. public is low.**
- Persons with job-related or recreational exposure to infected birds, poultry, dairy cattle, or other infected animals or contaminated materials, including raw cow's milk, are at increased risk for infection;

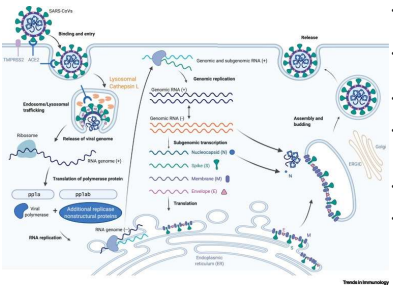


31

COVID-19

32

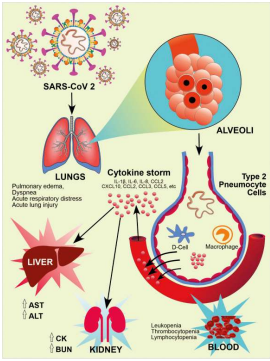
COVID-19



- CoVs of the family *Coronaviridae* are enveloped, positive-sense single-stranded RNA viruses.
- The SARS-CoV-2 genome sequence shares ~80% sequence identity with SARS-CoV and ~50% with MERS-CoV
- Virus has four structural proteins: spike (S), envelope (E), membrane (M), and nucleocapsid (N)
- Spike mediates SARS-CoV entry into host cells.
- Spike has a receptor-binding domain (RBD) that attaches to **angiotensin-converting enzyme 2 (ACE2)** and transmembrane protease serine 2 (TMPRSS2)
- TMPRSS2 facilitates viral entry at the plasma membrane surface
- Once the genome is released into the host cytosol, ORF1a and ORF1b are translated into viral replicase proteins, RNA-dependent RNA polymerase for protein synthesis in order to complete the life cycle.

33

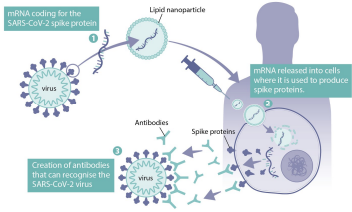
Severe inflammation = Tissue damage



- SARS-CoV-2 infects the lower respiratory tract → affecting multiple different cells, including alveolar airway epithelial cells, vascular endothelial cells, and alveolar macrophages.
- Upon entry, SARS-CoV-2 is likely detected by cytosolic innate immune sensors, as well as endosomal toll-like receptors (TLRs) that signal downstream to produce type-I/III interferons (IFNs) and proinflammatory mediators. The high concentration of inflammatory cytokines/chemokines amplifies the destructive tissue damage via endothelial dysfunction and vasodilation, allowing the recruitment of immune cells, in this case, macrophages and neutrophils.
- Vascular leakage and compromised barrier function promote endothelitis and lung edema, limiting gas exchange that then facilitates a hypoxic environment, leading to respiratory/organ failure.

34

COVID-19 mRNA vaccine



- mRNA vaccines contain the genetic instructions for producing a pathogenic protein in our own cells.
- These genetic instructions, are known as mRNA- use our cells use as part of the normal machinery to assemble proteins that are needed to keep the cell alive.
- Once the cell receives mRNA, it produces the protein from the virus that can then be used to train the immune system (produce antibodies).

35

RSV

36

Respiratory Syncytial Virus (RSV)

- RSV is the most common agent to cause LRTI among children below the age of 5 years.
- Most of those acquire mild to moderate disease manifestations, and about 2-3% progress to severe illness resulting in hospitalization
- G protein- attachment
- Fusion protein
- Main targets of this virus are type I alveolar cells and superficial airway epithelial cells
- NS1 and NS2 proteins- play a role in blocking the release of IFN from infected epithelial cells, prolongs infected cell life

Viral factors:

- G: glycosylation; sG neutralizing antibodies avoidance
- F: conformational change infectivity and protection
- NS1 and NS2: IFN type I inhibition
- viral strains and isolates
- viral load

Host factors:

- gender: male
- lung and heart anomalies
- low vitamin D level
- inadequate immune system
- genetic polymorphism

Environmental factors:

- exposure to smoke
- air pollution
- winter season

37

Respiratory Syncytial Virus (RSV)

- Immune system activation
- Altered cytokine release
- Increased eosinophils
- Decreased humoral response
- Decreased cell mediated death with less viral clearance
- Increased mucus production

38

39

	Beyfortus (Nirsevimab)	Arexyv (GSK)	Abrysvo (Pfizer)
Indicated Age	All infants < 8mo High risk < 19mo	60yo+	60yo+ (or pregnancy)
Effectiveness	75% decrease in medically-attended LTRI	75% reduction in 2+ symptoms	75% reduction in 2+ symptoms
Safe in Pregnancy?	N/A	Untested	Yes; reduces newborn infxns
Mechanism	Monoclonal Ab	pre-fusion F protein w/ adjuvant	pre-fusion F protein

40

Mpox

41

Mpox timeline

- 1958- Mpox first discovered
- 1970- 1st human case
- 1980- Sporadic cases in Congo
- 1996- Outbreak in Congo
- 2007- Big outbreak in Nigeria
- 2018- International sporadic cases
- 2022- Public health emergency

1958: Mpox virus was first discovered and isolated from cynomolgus monkeys in Denmark

1970: The first confirmed human case of Mpox virus infection in Congo

1980: Mpox no longer constitutes a Public Health Emergency of International Concern (May); WHO: Mpox is a public health emergency of international concern (July); More than 60,000 cases have been reported in 105 countries, more than 3,000 cases in the UK (August); WHO: Monkeypox was renamed Mpox to avoid racial discrimination and disease stigma (November)

1980s: Sporadic cases of Mpox have been reported in Congo, some were misdiagnosed as chickenpox

1981-1986: WHO project: Active monitoring plan for human Mpox in Congo

1996-1997: An outbreak of Mpox with over 1,000 patients infected in Congo

2003: Mpox infection was first detected in non-endemic areas with sporadic cases in American

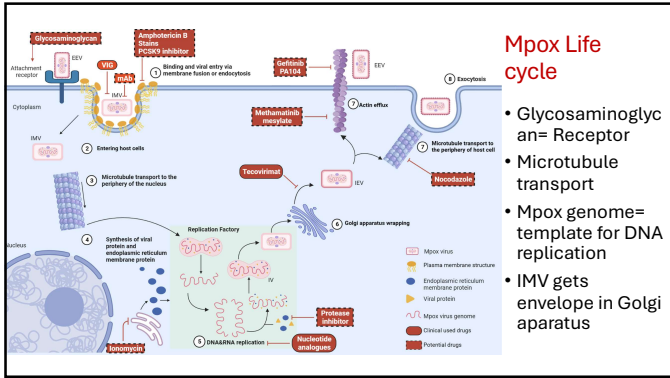
2017: A massive outbreak with more than 100 confirmed cases in Nigeria

2018-2019: Sporadic cases of Mpox (UK, 4 cases; Israel, 1 case; Singapore, 1 case)

2022: WHO: Mpox is a public health emergency of international concern (July); More than 60,000 cases have been reported in 105 countries, more than 3,000 cases in the UK (August); WHO: Monkeypox was renamed Mpox to avoid racial discrimination and disease stigma (November)

2023: WHO: Mpox is a public health emergency of international concern (July); More than 60,000 cases have been reported in 105 countries, more than 3,000 cases in the UK (August); WHO: Monkeypox was renamed Mpox to avoid racial discrimination and disease stigma (November)

42



43

Mpxv lesions

Mpxv symptoms

- Headache
- Fever
- Swollen lymph nodes
- Pharyngitis
- Back pain
- Fatigue
- Rectal pain
- Ingenital rash/lesions

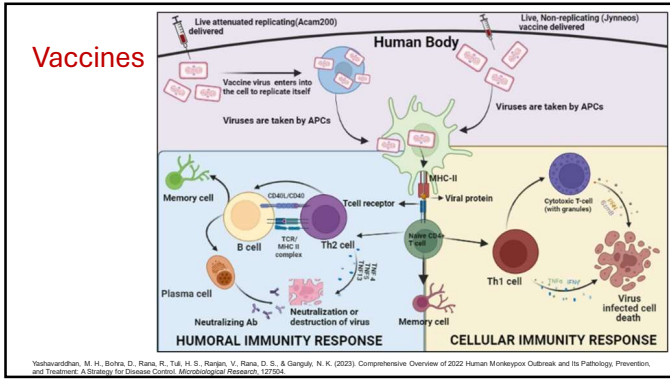
Rash progression

- Macules
- Papules
- Vesicles
- Pustules
- Crust & fall off
- Scars

Although usually self-limiting, severe complications can occur

- Mycocarditis
- Epiglottitis
- Incephalitis
- Abscess/perforation

44



45

THANK YOU

Dr. Joel Terriquez | joel.terriquez@azdhs.gov

Bureau of Infectious Disease Services
Bureau of Immunizations Services

ARIZONA DEPARTMENT OF HEALTH SERVICES

46

T.I.P.S Trainings

Blanca Martinez
TAPI

tapi

47

Summer TIPS

Interactive training for medical assistants & vaccine coordinators

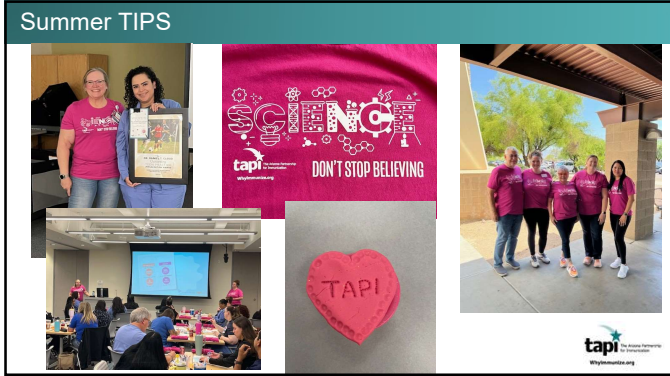
Training on Immunization Practice Strategies: T.I.P.S.

Summer 2024

FREE

tapi

48



49



50

Summer TIPS


Highlights

- 14 TIPS Trainings completed
- Over 700 participants
- TAPI able to help partners immediately (questions answered, materials ordered)

Feedback

- Happy we are doing TIPS in person and coming to a location near them!
- Great presenters- passionate and knowledgeable about vaccines
- Ability to ask questions and share freely
- Appreciate updates on vaccines
- Interesting videos and real-life scenarios


"As a result of attending this training, I feel an importance in my role as vaccinator, educator, caregiver and contributing to the health and well being of our communities. Thank you all!"



51

Vaccine Preventable Disease Poster


Blanca Martinez
TAPI



52

Website Review

James Washington
TAPI



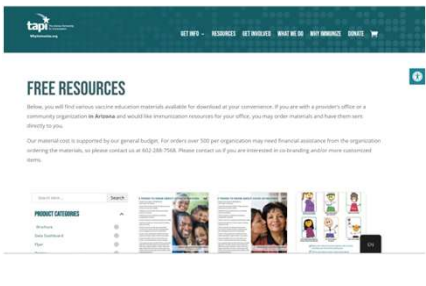
53

TAPI Website redesign

 A mockup of the TAPI website redesign. It features a navigation bar with links: GET INFO, RESOURCES, GET INVOLVED, ABOUT US, BUY/ORDER, DONATE. The main content area has a large image of a woman holding a child, with the text "PROTECTING HEALTH WITH VACCINES". Below this is a quote: "We believe that every individual deserves to live a healthy life, access to life-saving vaccines, and trusted resource for informed immunization choices." and a "READ MORE" button. The TAPI logo is in the top left corner.

54

TAPI Website redesign



Pages to review:

- Home
- Vaccine Through the Lifespan
- Parents
- Why Immunize
- Resources Download and checkout features

Functionality:

- Tab at bottom; Spanish
- Tab on right; accessibility tools

Feedback needed:

- Red flags on layout and functionality
- Screenshots with feedback

55

Thank You!

Next

Provider Education Committee Meeting

October 21, 2024
12pm-1:30pm



56



Phoenix Fire Department providing over 300,000 vaccinations since 1994



Our Family Helping Yours

El Departamento de Bomberos de Phoenix ha proveído más 300 mil vacunas desde 1994

2024 Public Health and Vaccination Clinics

Vaccine Preventable Diseases

Child/Niño

- Meningitis
- Tetanus
- Pertussis
- HPV Measles
- Mumps
- Rubella
- Diphtheria
- Hepatitis A/B
- Polio
- Pneumonia
- Hib
- Rotavirus
- Varicella
- Influenza
- RSV
- COVID-19

Adult/Adulto

- Tetanus
- Shingles
- Pneumonia
- M/M/R
- Hepatitis A/B
- Pertussis
- Influenza
- Varicella

Day / Día	Date / Fecha	Time / Tiempo	Location / Ubicación	Address / Dirección
Saturday/Sabado	07/27/2024	8:00am-1:00pm	Alhambra High School	3839 W. Camelback Rd.
Saturday/Sabado	07/27/2024	9:00am-2:00pm	Nosotros Foundation	3002 N. 27 th Avenue
Thursday/Jueves	08/01/2024	4:00pm-6:00pm	Isaac School District	1700 N. 41 st Ave.
Wednesday/Miercoles	08/07/2024	8:30am-11:30am	Nourish PHX	501 S. 9 th Ave
Saturday/Sabado	08/17/2024	8:00am-12:00pm	Cholla Middle School	3120 W. Chollas St.
Wednesday/Miercoles	08/21/2024	9:00am-1:00pm	Burnidge Soup Kitchen	3402 W. Osborn Road



Call 602•534•BABY (2229) or Visit: www.phoenix.gov/fire/babyshots.html

July 10, 2024 – Nourish PHX

1 child given 1 vaccine. 5 additional children were screened but up to date at this time.

1 adult given 2 vaccines. 6 adults were screened but we did not have the vaccine needed.

July 13, 2024 – Maggi's Place

7 children given 11 vaccines. All received vaccines needed at this time.

July 13, 2024 – Vernell Coleman Park-Aeroterra

2 children given 2 vaccines. 2 additional children screened but were up to date at this time.

3 adults given 3 vaccines. 3 adults were screened but we did not have the vaccines needed.

July 15, 2024 – IRC

8 children given 21 vaccines. All received vaccines needed at this time.

5 adults given 5 vaccines.

July 16, 2024 – Aeroterra Community Center

6 children given 12 vaccines. 12 additional children were screened but were up to date at this time.

8 adults given 8 vaccines. 3 additional adults were screened but we did not have the vaccines needed.

July 20, 2024 – Isaac Middle School

60 children given 153 vaccines. 24 additional children were screened but were up to date at this time.

2 adults given 3 vaccines. 3 additional adults were screened but we did not have the vaccines needed.

July 20, 2024 – Telemundo

8 children given 21 vaccines. 3 additional children were screened but up to date at this time.

5 adults given 7 vaccines. 1 additional adult was screened but we did not have the vaccines needed.

July 22, 2024 – Arts Academy Of Estrella Mountain

30 children given 67 vaccines. 22 additional children were screened but were up to date at this time.

10 adults received 10 vaccines. 3 additional adults were screened but we did not have the vaccines needed.

July 23, 2024 – Kenilworth Family Resource Center

3 children given 6 vaccines. 2 additional children were screened but were up to date at this time.

July 27, 2024 – Alhambra High School

25 children given 86 vaccines. 4 additional children were screened but were up to date at this time.

1 adult given 1 vaccine. 7 additional adults were screened but we did not have the vaccines needed.

July 27, 2024 – Nosotros Foundation

28 children given 6 vaccines. 2 additional children were screened but were up to date at this time.

1 adult given 2 vaccines. 12 additional adults were screened but we did not have the vaccines needed.

FREE IMMUNIZATIONS

Birth to 18 years of age
(Please see eligibility requirements below)



Mesa Fire/Medical Department Superstition Springs Center

6555 E Southern Ave
Mesa, AZ 85206

For general information please call 480-644-3459
(For clinic location within the mall, text 480-409-7900)

MONTHLY IMMUNIZATION CLINICS

Second Wednesday of the Month

5:00 pm – 7:00 pm

(Exceptions: NO clinic in December)

All childhood immunizations provided

Please Bring All Immunization Records

To be eligible for these free immunizations the child must: be covered by AHCCCS, be uninsured, have insurance that does not cover immunizations, be Native American or an Alaskan Native.

Children with private insurance that covers 100 percent of immunizations must visit their private health care provider.

INMUNIZACIONES GRATIS

(Para los niños recién nacidos hasta los 18 años de edad)



Mesa Fire/Medical Department Superstition Springs Center

6555 E Southern Ave
Mesa, AZ 85206

Para información llame 480-644-3459

(Para obtener información sobre la ubicación de la clínica en el centro comercial,
envíe un mensaje de texto a 480-409-7900)

CLÍNICAS DE INMUNIZACIÓN MENSUAL

EL SEGUNDO MIÉRCOLES DEL MES

5:00 – 7:00 PM

(Excepciones: NO HAY clínica en diciembre)

¡Ofrecemos todas las inmunizaciones GRATIS para los niños!

Para ser elegible para estas vacunas el niño debe estar cubierto por AHCCCS, no tiene seguro médico, tiene seguro médico que no cubre las vacunas, es Indio Nativo Americano o nativo de Alaska.

Por favor traiga todos los documentos de inmunizaciones de su niño a la clínica.
El personal de la clínica podrá contestar sus preguntas.

Los niños con seguro privado que cubre cien por ciento las inmunizaciones deben visitar a su proveedor médico. Si usted no está seguro si su seguro médico cubre las vacunas, por favor, llama a su seguro médico para verificar.