



Immunizations – A Tool for Keeping Kansas Healthy

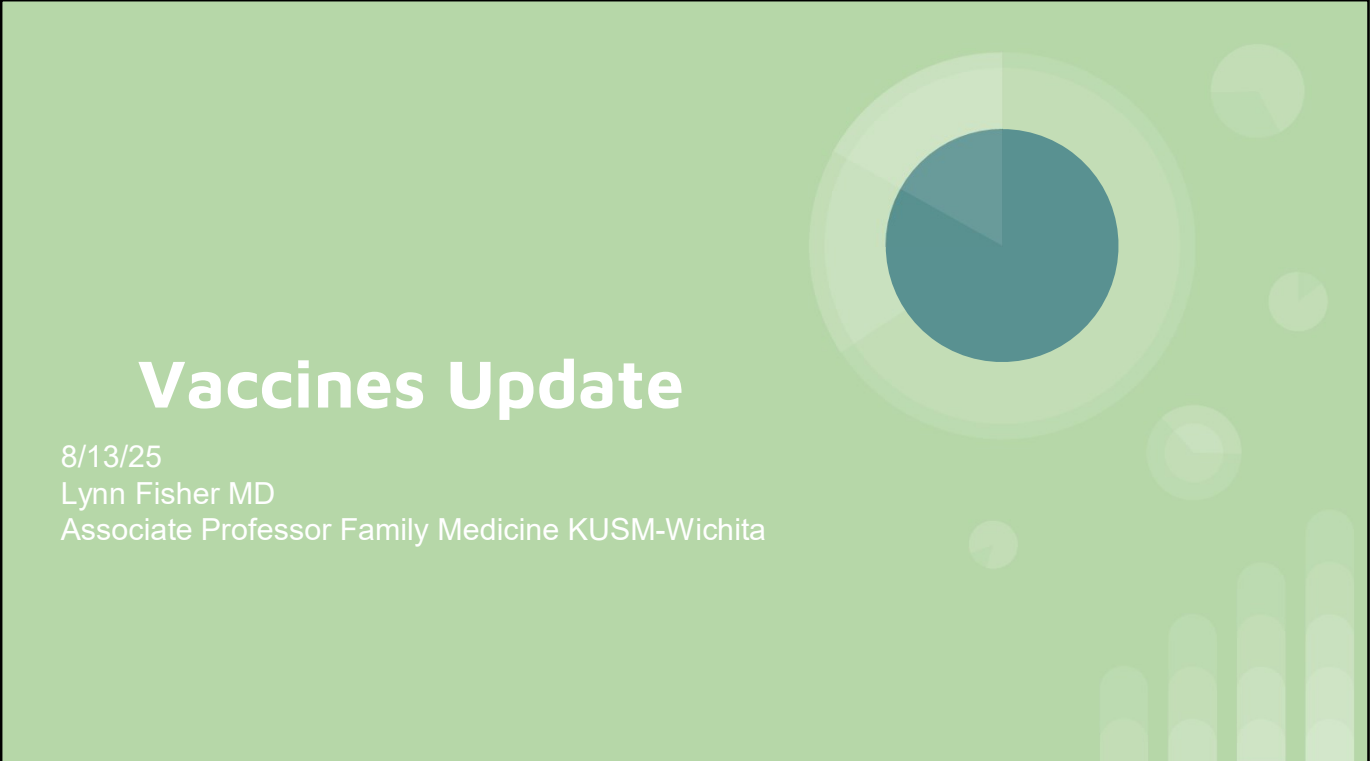
Quality Corner Call
August 13, 2025

HEALTHWORKS
KANSAS HOSPITAL ASSOCIATION

Kansas
Department of Health
and Environment



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Vaccines Update

8/13/25
Lynn Fisher MD
Associate Professor Family Medicine KUSM-Wichita

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Disclosures

Former CDC Workgroup Member for
Pneumonia Vaccines as AAFP Liaison

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Kansas Kindergarten Coverage Assessment

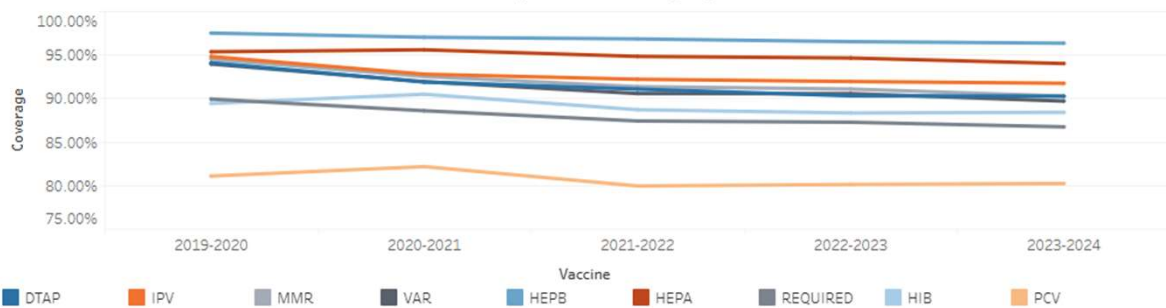
Statewide Vaccine Coverage and Exemptions

[District Coverage](#)
[District Exemption](#)
[Private Districts](#)
[About the Data](#)

Statewide School Entry Vaccine Coverage by Academic Year

Academic Year	DTAP	IPV	MMR	VAR	HEPB	HEPA	REQUIRED	HIB	PCV
2019-2020	94.05%	94.77%	94.47%	93.91%	97.46%	95.31%	89.89%	89.38%	81.04%
2020-2021	91.84%	92.74%	92.47%	91.88%	96.98%	95.54%	88.54%	90.44%	82.13%
2021-2022	91.03%	92.15%	91.31%	90.52%	96.79%	94.78%	87.37%	88.66%	79.91%
2022-2023	90.25%	91.90%	91.04%	90.50%	96.48%	94.60%	87.22%	88.28%	80.08%
2023-2024	90.21%	91.70%	90.21%	89.65%	96.30%	93.96%	86.69%	88.37%	80.19%

Statewide School Entry Vaccine Coverage by Academic Year



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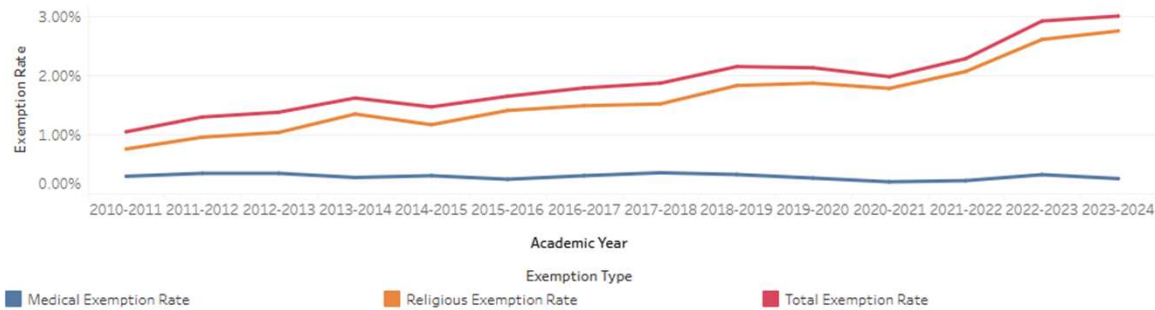
Kansas Kindergarten Coverage Assessment

Statewide Vaccine Coverage and Exemptions

Statewide Exemption Rates by Academic Year

Exemption Type	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
Medical Exemption Rate	0.29%	0.34%	0.34%	0.27%	0.30%	0.24%	0.30%	0.35%	0.32%	0.26%	0.20%	0.22%	0.32%	0.25%
Religious Exemption Rate	0.75%	0.95%	1.03%	1.34%	1.16%	1.40%	1.48%	1.51%	1.82%	1.86%	1.77%	2.06%	2.60%	2.74%
Total Exemption Rate	1.04%	1.29%	1.37%	1.61%	1.46%	1.64%	1.78%	1.86%	2.14%	2.12%	1.97%	2.27%	2.91%	2.99%

Statewide Exemption Rate by Academic Year



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Kansas Kindergarten Coverage Assessment

Statewide Vaccine Coverage and Exemptions

District Coverage

District Exemption

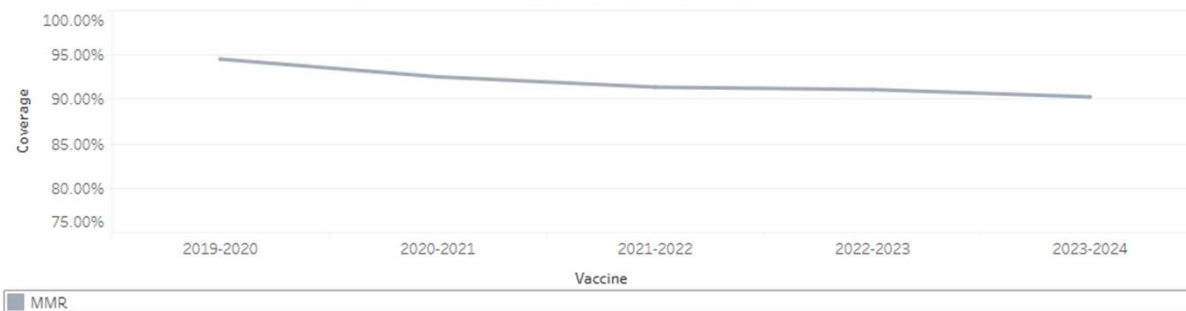
Private Districts

About the Data

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Statewide School Entry Vaccine Coverage by Academic Year



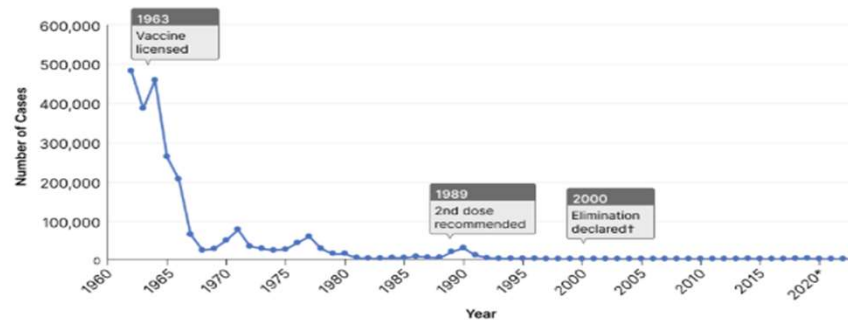
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Measles

Officially eliminated from US in 2000

No spread of measles in the country and new cases found only when someone contracts from abroad and returns to the US

Reported Measles Cases in the United States from 1962 – 2023*



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Measles-Kansas

KDHE website 2025 Kansas Measles Case Data

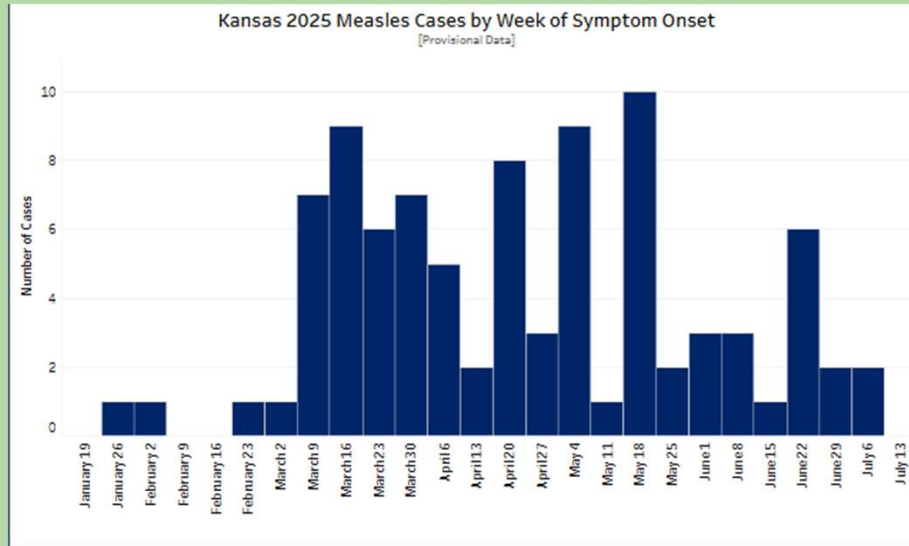
Total cases: **90** Outbreak Associated: **87**

Counties with Cases: **12**

Kansas 2025 Measles Cases by County [Provisional Data]	
County	Cases
Finney	1-5
Ford	1-5
Grant	1-5
Gray	29
Haskell	19
Kiowa	6
Morton	1-5
Pawnee	7
Reno	1-5
Sedgwick	1-5
Seward	1-5
Stevens	10

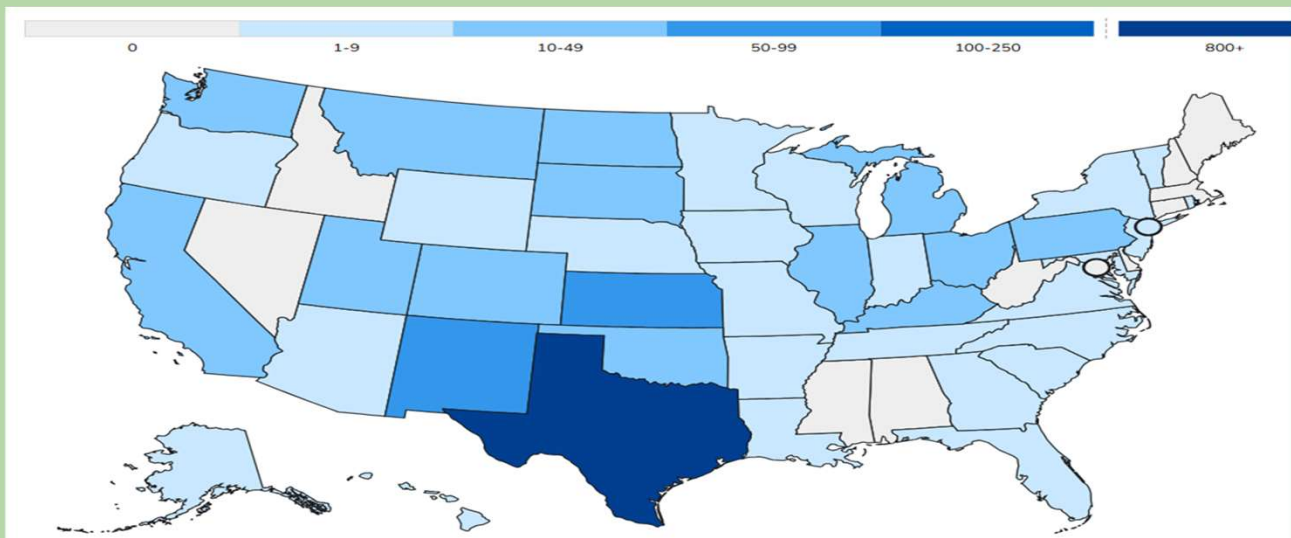
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Measles-Kansas



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Measles-US



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Measles-US

- According to the CDC website, 1356 confirmed cases through August 5th in 41 states
- 32 outbreaks and 87% of confirmed cases are outbreak-associated
- 28% less than 5 years
- 37% 5-19 years of age
- 34% are 20+ years
- Vaccinated status: unvaccinated or unknown in **92%**; 4% with 1 MMR dose and 4% with 2 MMR doses
- <https://www.cdc.gov/measles/data-research/index.html>

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Measles-US

- **13%** of cases during the outbreak were hospitalized in US (171 of 1356)
- **3** confirmed deaths in the US
- Before the vaccine, estimated **48,000** hospitalized per year and **400-500** people died in the US each year

<https://www.cdc.gov/measles/data-research/index.html>

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MMR Vaccine

- 1 dose is **93%** effective and 2 doses are **97%** effective at preventing measles
- Breakthrough infections occur when someone is infected after vaccination and is approximately 5% of cases
- Vaccination coverage among US Kindergartners
 - 2019-2020: **95.2%**
 - 2023-2024: **92.7%**

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Measles Protection

CDC considers protected if

- You have received 2 doses of MMR
- 1 dose of MMR and preschool aged child or adult who will not be in a high-risk setting for measles transmission
- Lab confirmation of measles immunity
- Born before 1957

<https://www.cdc.gov/measles/about/questions.html>

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Influenza Vaccination Rates, Healthcare Professionals

- Overall, 75.4% of health care personnel in the United States reported receiving influenza vaccination during the 2023–2024 season (31.3% reported having received the updated 2023–24 COVID-19 vaccine)
- In Kansas, among 78 Critical Access Hospitals reporting, 79 percent of CAH employees reported receiving the influenza vaccination during the 2024 - 2025 flu season



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Influenza Vaccine-Best Practices

- Standing Order Sets:
<https://www.immunize.org/wp-content/uploads/catg.d/p3067.pdf>
- Staff education regarding importance of vaccines
- Office/Hospital Vaccine Champions
- Optimization of EMR Immunization Flags/Rules
- QI Projects

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Covid Vaccine

- Current CDC guidelines are as follows:
 - Most adults 18 and older should receive a 2024-2025 Covid vaccine
 - Especially important for 65 and older and if at high risk for severe Covid 19
 - Parents of children 6 months to 17 years of age should discuss with physician the benefits
- Vaccination helps protect against severe illness, hospitalization, and death

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Covid Vaccine

- AAP recommends Covid-19 vaccination for all infants 6 months of age and older, children, and adolescents who don't have a contraindication to the vaccine
- Includes primary series and boosters
- https://downloads.aap.org/AAP/PDF/COVID%20Vaccine%20Dosing_Quick%20Reference.pdf

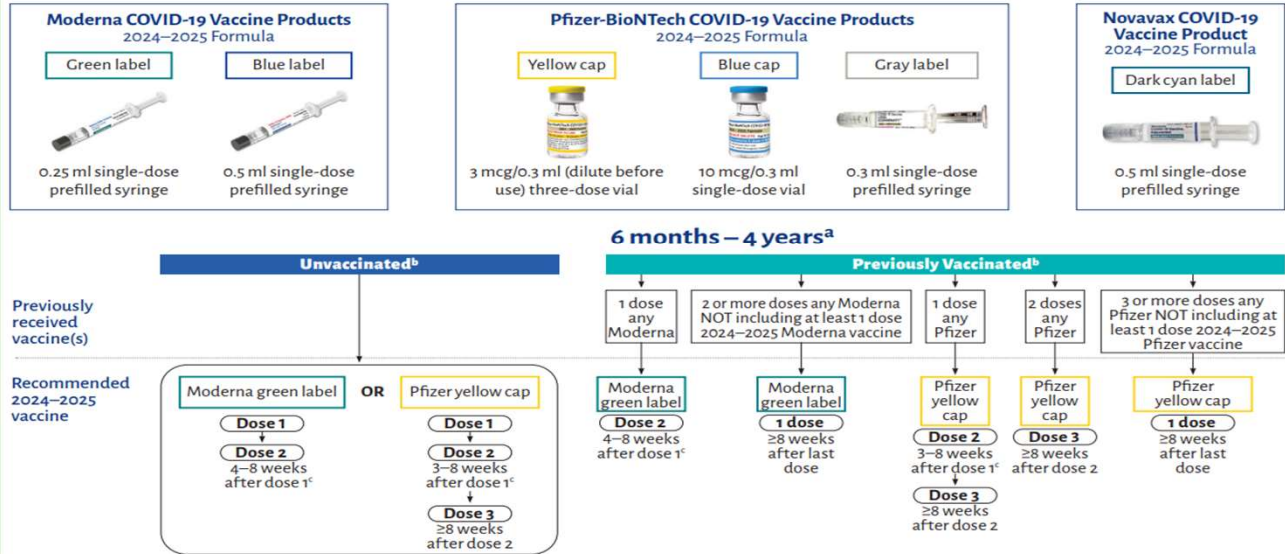
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Covid Vaccine

Pediatric COVID-19 Vaccine Dosing Quick Reference Guide

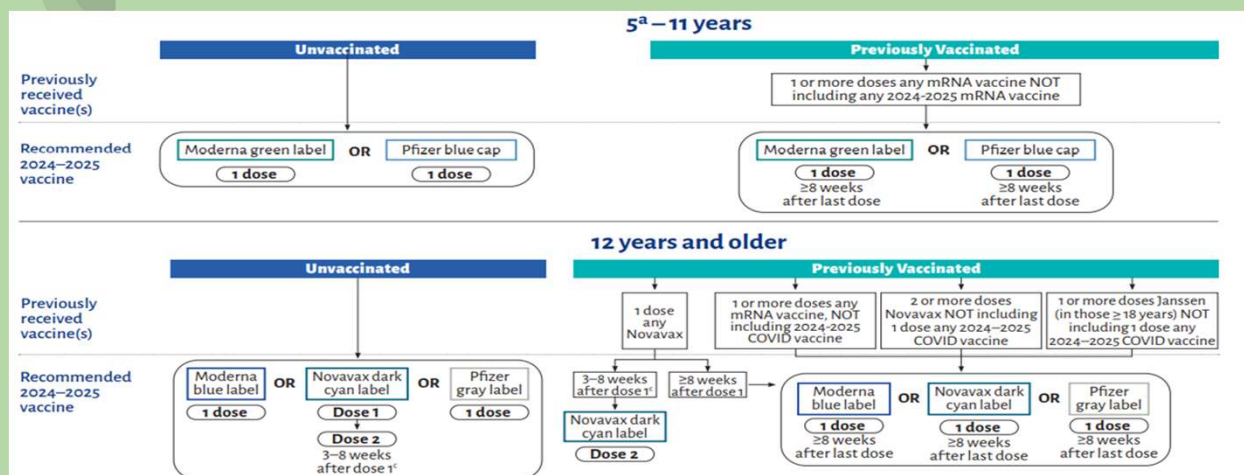
Moderna, Pfizer-BioNTech, and Novavax COVID-19 Vaccine Products

American Academy
of Pediatrics
DEDICATED TO THE HEALTH OF ALL CHILDREN®



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Covid Vaccine



a. For children who turn 4 to 5 years during their vaccine series, follow dosing recommendations based on age on the day of vaccination. For Pfizer vaccine, if the 10 mcg dose is the second dose, administer 3–8 weeks after the first dose; if it is the third dose, administer at least 8 weeks after the second dose. If more than 8 weeks have elapsed since receipt of the last dose of mRNA COVID-19 vaccine at the dosage for children ages 6 months–4 years, either 2024–2025 mRNA COVID-19 vaccine may be administered at the dosage for children ages 5–11 years.

b. For patients who are 6 months–4 years of age, COVID-19 vaccine doses from the same manufacturer should be administered whenever recommended. In the following circumstances, an age-appropriate COVID-19 vaccine from a different manufacturer may be administered: (1) Same vaccine not available at the vaccination site at the time of the clinic visit, (2) Previous dose unknown, (3) Person would otherwise not receive a recommended vaccine dose, (4) Person starts but unable to complete a vaccination series with the same COVID-19 vaccine due to a contraindication. A Vaccine Adverse Event Reporting System (VAERS) report is not indicated in these circumstances.

c. An 8-week interval between the first and second COVID-19 vaccine (Moderna, Novavax, and Pfizer) doses might be optimal for some people as it might reduce the rare risk of myocarditis and pericarditis associated with these vaccines.

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Covid Vaccine Updates (per AI)

- **May 2025:**
 - May 12: The Centers for Disease Control and Prevention (CDC) issues an overview of COVID-19 vaccines, recommending the 2024–2025 Moderna and Pfizer-BioNTech mRNA vaccines for everyone 6 months and older, and the 2024–2025 Novavax vaccine for individuals 12 years and older. These recommendations include guidance for routine vaccination schedules and specific recommendations for individuals who are moderately or severely immunocompromised.
 - May 27: Kennedy announces in a video statement that the COVID-19 vaccines are no longer recommended for healthy children and pregnant women on the CDC's recommended immunization schedule. This decision is made without the input of the CDC Advisory Committee on Immunization Practices (ACIP), the expert panel typically responsible for such recommendations.
 - May 30: The FDA approves a new Moderna COVID-19 vaccine but with restrictions, limiting its use to seniors and high-risk individuals.
- **June 2025:**
 - June 6: The CDC updates its guidance, recommending a 2024-2025 COVID-19 vaccine for most adults 18 and older, and suggesting parents consult with healthcare providers regarding vaccination for children aged 6 months to 17 years.
 - June 9: Kennedy dismisses all 17 members of the ACIP, the expert panel responsible for developing vaccine recommendations, and announces plans to appoint a new committee.
 - June 11: Kennedy names new advisers to the ACIP, including some individuals known for vaccine skepticism and criticism of COVID-19 vaccines.
 - June 13: Kennedy defends his decision to alter the COVID vaccine schedule, facing questions about bypassing the CDC's formal process.
 - June 26: Kennedy's vaccine advisers vote to recommend flu shots that do not contain thimerosal, a preservative falsely linked to autism. This decision comes after a presentation from an anti-vaccine group's former leader.
 - June 27: Reports emerge detailing a conflict between Kennedy's vaccine policies and earlier promises he made, raising concerns about undermining vaccine science and endangering public health.

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Covid Vaccine Updates (per AI)

- **July 2025:**
 - July 8: Health organizations file a lawsuit against RFK Jr. over his vaccine policy changes, alleging they were "arbitrary" and in violation of federal law.
 - July 12: The CDC updates its vaccine recommendations based on ACIP discussions, recommending the updated 2024-2025 COVID-19 and flu vaccines for everyone 6 months and up.
- **August 2025:**
 - August 5: Kennedy cancels \$500 million in mRNA vaccine development funding in the US.
 - August 11: A medical journal rejects Kennedy's request to retract a study that found aluminum in vaccines does not increase health risks for children.

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DNA vs mRNA Vaccines

<https://molecularmedicine.umc.edu/articles/the-differences-between-mrna-and-dna-vaccines/>

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Vaccine Confidence

- Simple, clear message: “These are the vaccines you need today” vs “What do you think about getting the influenza vaccine?”
- Recommendation from a physician for vaccination is the most influential factor for a patient
- True even for patients with a negative attitude towards vaccinations

<https://www.aafp.org/dam/brand/aafp/pubs/fpm/issues/2014/0300/p22.pdf>

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Vaccine Confidence

- Use positive language

Avoid saying “It’s too bad you have to get shots today” or staff telling a patient “I haven’t gotten my vaccine yet” as negative framing of vaccines can undermine physician/APP efforts

- Spend time educating nursing and front staff about importance of vaccinations; create office/hospital vaccine champions

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HR Issues

- Education, education, education
- Champions
- Converts sharing their story
- Masking October through April when out of workspace

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Partnership Opportunities

- Health Departments/Pharmacies
- Schools
- Churches/Faith Organizations
- Civic/Community Service Organizations

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The image shows two web pages side-by-side. The left page is from the American Academy of Pediatrics (AAP) website, specifically the 'Immunizations' section under 'Patient Care'. It features a blue header with the AAP logo and text: 'Immunizations', 'Home / Patient Care / Immunizations', and 'Find [patient care resources](#) and [communications resources](#) to help your practice respond to the measles outbreak.' The right page is from the Kansas Academy of Family Physicians (KAFP) website, titled 'IMMUNIZATION RESOURCES FOR PROVIDERS'. It includes a large image of healthcare professionals and a section for 'Social media and video' with various downloadable assets like 'Social media posts', '16:9 teacher photo', '16:9 room-to-be photo', '16:9 campfire couple photo', '16:9 grandmother and grandson photo', and five 'Public awareness spot' videos. A sidebar on the left of the KAFP page lists links for 'Call for Content 2026 Fam Med Forward', 'FMCSA/NRCME (DOT) Certification/Recertification', 'Immunization Performance Improvement: CME', 'K-TRACS', 'Training Requirement for Controlled Substance Rx', and '2024 Summer Roadshow'.

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AAFP | AAFP Foundation | AFP Journal | FPM Journal | FUTURE (formerly National Conference) | FMX | familydoctor.org

AAFP CME Patient Care **Practice & Career** Med Student & Resident Events Membership Advocacy News

AAFP / Family Physician / Patient Care / Prevention & Wellness / Immunizations & Vaccines

Urge Congress to support vaccine safety and oppose efforts to dismantle trusted public health institutions. **SPEAK OUT**

Immunizations and Vaccines

Creating a Community of Immunity

The up-to-date resources and education on this page support your efforts to talk with patients of all ages and confidently lead them to the best

<https://www.aafp.org/family-physician/patient-care/prevention-wellness/immunizations-vaccines.html>

AAFP National Immunization Awareness Month

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IKC IMMUNIZE KANSAS COALITION

Connect with Us Education Modules Measles Resources #NIAM2025

Info For... Diseases Resources Outreach Data News About IKC

Latest Measles Resources and Alerts

OUR MISSION:
The mission of the Immunize Kansas Coalition is to protect all Kansans from vaccine-preventable diseases.

August is National Immunization Awareness Month

IKC IMMUNIZE KANSAS COALITION

Connect with Us Education Modules Measles Resources #NIAM2025

Info For... Diseases Resources Outreach Data News About IKC

Vaccination Resources

"Catch-up" Immunization Schedules Kansas Immunization Program Vaccine Safety Information

Key Kansas Resources

- Parental Consent Letter, Sedgwick County Health Department
- Kansas Immunization Program
- CDC Links/Websites
- Strategies to Improve Vaccination Rates
- Clinician Resources and Talking Points
- Printable Education Materials
- Marketing Toolkit
- Other Helpful Links/Websites

KHA Kansas Hospital ASSOCIATION

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The screenshot shows the homepage of the Children's Hospital of Philadelphia Vaccine Education Center. The header includes the CHOP logo, navigation links for Vaccines & Diseases, Vaccine Safety, Vaccine Science & History, Vaccine Schedule, Human Immune System, and About VEC, along with a search bar. The main content area features a large image of a young boy and an older man looking up together. Text on the left reads "Vaccine Education Center" and "Where science leads the way toward healthy families at every age". A blue button labeled "Contact us online >" is visible. A light green bar is at the bottom of the page.

More **Children's Hospital of Philadelphia** Vaccine Education Center

Vaccines & Diseases ▾ Vaccine Safety ▾ Vaccine Science & History ▾ Vaccine Schedule ▾ Human Immune System ▾ About VEC Search

← Home

Vaccine Education Center

Where science leads the way toward healthy families at every age

Contact us online >

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The screenshot shows a presentation slide with a white background and a dark grey vertical bar on the left. The title "Questions/Discussion" is centered in a large, dark font. At the bottom left is the Kansas Hospital Association logo, which consists of the letters "KHA" in a stylized font next to the text "Kansas Hospital ASSOCIATION".

Questions/Discussion

KHA Kansas Hospital ASSOCIATION

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