

Opening Remarks and the Value of Vaccines

This brief presentation will highlight the importance of vaccines and the value of vaccination in protecting public health.

Laying the Vaccinology Foundation

This session will explore the multi-faceted process of developing vaccines, the immune responses they induce to protect both individuals and communities, and the rigorous safety monitoring systems in place to ensure their ongoing efficacy and protection. Presentations include:

- **Vaccinology: From Scientific Discovery to Monitoring Safety**
- **Protective Immune Responses to Vaccines**
- **Vaccine Safety: Data and Monitoring**

Advisory Committee on Immunization Practices (ACIP) Recommendations and Updates

The use of licensed vaccines in the US is based on recommendations by the Advisory Committee on Immunization Practices (ACIP) to the Centers for Disease Control and Prevention (CDC). This presentation will address the review process (including an evidence-based methodology), recent updates to US immunization recommendations, and disease surveillance to measure the public health impact of vaccine recommendations.

Preventing Respiratory Diseases

This session will provide updates on the prevention of respiratory diseases including influenza (flu), RSV, and COVID-19, focusing on vaccination and immunization strategies across the lifespan. Presentations include:

- **Influenza Vaccination Recommendations across the Lifespan**
- **RSV Updates**
- **COVID-19 Updates**

Real-World Applications: Case Studies and Questions

This interactive session will feature case studies to summarize content presented and test knowledge of topics covered during day 1 presentations.

Meet the Expert Breakout Sessions

These small, facilitated group discussions allow participants to interact with expert speakers and other attendees to address key issues of concern. Topics include:

- Vaccine-preventable outbreaks
- Respiratory disease updates [influenza, COVID-19, RSV, pneumococcal]

Come prepared with your questions for a lively and interactive discussion

Protecting Children and Adolescents: The Importance of Immunization

This session will focus on the critical role of immunization in protecting the health of children and adolescents, providing updates on current recommended vaccination schedules and strategies to increase vaccine coverage and confidence.

Presentations include:

- **Overview of the Childhood Immunization Schedule**
- **Overview of the Adolescent Immunization Schedule**

The Value of Adult Immunization

This session will explore the importance of adult immunization, focusing on current vaccination recommendations and the role of maternal immunization in protecting both mothers and infants, along with practical strategies to improve immunization rates. Presentations include:

- **Overview of the Adult Immunization Schedule**
- **Protecting Mother/Baby through Maternal Immunization**

Preventing Pneumococcal Disease through Vaccination

Streptococcus pneumoniae colonize the nasopharynx, commonly causing local upper and lower respiratory infections including community-acquired pneumonia, and somewhat less commonly leading to invasive disease. This presentation will discuss current recommendations for pneumococcal vaccination in the US, the impact of pneumococcal conjugate vaccines on the incidence of disease in children and adults, and the role of community protection provided by pneumococcal vaccination.

Managing Outbreaks through Vaccination

In recent years, the US has faced outbreaks of vaccine-preventable diseases beyond COVID-19, including pertussis (whooping cough), measles, and avian influenza (bird flu). This presentation will include a brief update on current outbreaks and how vaccination can help manage and prevent outbreaks.

Jeopard-ID! Interactive Game

This engaging and interactive session will summarize the course content covered on days 1 and 2, in a fun, game show-style competition. Test your knowledge in a friendly challenge while reinforcing important takeaways in an exciting format!

Protecting Special Populations

This session will focus on the unique immunization needs of special populations, including those with chronic health conditions, immunocompromised individuals, and those at risk for mpox. Content will address insights into the tailored approaches needed to protect these high-risk populations through vaccination. Presentations include:

- **Protecting Patients with Chronic Health Conditions**
- **Protecting Immunocompromised Patients**
- **Mpox Updates**

Travel Vaccines: Know Before You Go

Licensed travel vaccines can mitigate some of the potential infectious disease risks of international travel, especially in certain tropical and subtropical countries, and in some temperate countries. This presentation will review the epidemiology, clinical strategies, and evidence for vaccine protection for a variety of preventable diseases associated with international travel.

Improving Vaccine Confidence

This session will focus on practical strategies to boost vaccine confidence and increase vaccination rates, addressing the important role of healthcare professionals in building trust, addressing barriers, and effectively communicating with patients. The engaging session will include audience questions to encourage interactive dialogue and practical takeaways. Presentations will include:

- **Best Practices to Move from Recommendation to Implementation**
- **Communication Strategies to Improve Vaccine Confidence**

Interactive Course Highlights and Closing Remarks

This dynamic, interactive session will review and reinforce key concepts covered throughout the course, to help ensure that attendees leave with a solid understanding of essential topics.