



Hepatitis Vaccines

Kelly L. Moore, MD, MPH

Chair, Hepatitis Vaccines Work Group

Advisory Committee on Immunization Practices

June 27, 2019

ACIP Hepatitis WG Terms of Reference

■ Hepatitis A

- Update hepatitis A recommendations (2006)
 - Prevention of hepatitis A through active or passive immunization: recommendations of the Advisory Committee on Immunization Practices (ACIP), MMWR, May 19, 2006, Vol 55, #RR-07

Current Recommendations Published Since 2006

- **Updated Recommendations from the ACIP for Use of Hepatitis A Vaccine in Close Contacts of Newly Arriving International Adoptees, MMWR, September 18, 2009, Vol 58, #36**
- **Updated Recommendations from the ACIP for Use of Hepatitis A Vaccine for Postexposure Prophylaxis and for Preexposure Prophylaxis for International Travel, MMWR, November 2, 2018, Vol 67, #43**
- **Recommendations of the Advisory Committee on Immunization Practices for Use of Hepatitis A Vaccine for Persons Experiencing Homelessness, MMWR, February 15, 2019, Vol 68, #6**

Work Group Considerations

- **May 2014 - June 2019**

- Thirty-one meetings focused on hepatitis A vaccine topics

- **March 2019 - June 2019**

- Five meetings focused on the proposed updated hepatitis A vaccine statement

Today's Session – I

▪ Hepatitis A vaccines – 3 votes

– (1) Hepatitis A catch-up vaccination

- Hepatitis A vaccines have demonstrated safety and efficacy for over 20 years
- Nearly the entire cohort of children aged 13-17 years assessed in 2017, living in states where vaccination was recommended in 2006, were not yet subject to the routine recommendation for childhood vaccination
 - Yet as of 2017, more than 3 out of 4 teens had initiated the series and over 2/3 were fully vaccinated
- 40% of states have a daycare or school mandate, or both, for HepA vaccination in 2018, increasing over time from hepatitis A vaccine introduction
- 27 of 30 state immunization information systems (IIS) already routinely forecast hepatitis A vaccine as being due for an 18 year old who has never been vaccinated (American Immunization Registry Association)

Today's Session - II

▪ Hepatitis A vaccines – 3 votes

- (2) HIV as a risk group for increased HAV infection severity
 - When persons with HIV (PWHIV) are co-infected with hepatitis A virus (HAV) infection, they experience higher peak HAV viral loads and a prolonged duration of hepatitis A viremia than persons without HIV infection
 - PWHIV usually respond to hepatitis A vaccination, particularly when the CD4 cell count is >200 cells/mm³ and the PWHIV has a low HIV RNA viral load
 - HIV co-infection outbreak data is available for a limited number of outbreak associated states, indicating excess risk of PWHIV to HAV infection in those states
 - Data from the medical monitoring project also indicates substantial HAV infection among PWHIV

- (3) Full updated hepatitis A vaccine statement

Next Steps

- **Continue deliberations on adult hepatitis B vaccination topics**

Hepatitis Work Group Members

ACIP Members

Kelly Moore (Chair)

Echezona Ezeanolue

Sharon Frey

José Romero

Liaison Representatives

Natali Aziz (ACOG)

Elizabeth Barnett (AAP)

Susan Even (ACHA)

Christine Finley (AIM)

Susan Lett (CSTE)

Pamela Rockwell (AAFP)

David Weber (SHEA)

Matthew Zahn (NACCHO)

Ex Officio Member

Marian Major (FDA)

Darci Everett (FDA)

Consultants

Sharon Balter (LA-DPH)

Robert Frenck (CCHMC)

Kathleen Harriman (CDPH)

Brian McMahon (ANTHC)

David Nace (AMDA)

Arthur Reingold (UC Berkeley)

Jennifer Rosen (NYC-DOH)

Ann Thomas (OR-DHS/OHA)

Jennifer Zipprich (MDPH)

Lead

Noele Nelson

(CDC/Viral Hepatitis Division)

Acknowledgements

- **NCHHSTP/Division of Viral Hepatitis**
 - Incident Management Team
- **NCHHSTP/Division of HIV/AIDS Prevention**
- **NCIRD/Immunization Services Division**
- **Doug Campos-Outcalt**
 - GRADE and Evidence to Recommendation Framework
- **American Immunization Registry Association**
- **Food and Drug Administration**

- **ACIP Hepatitis Work Group**

Maria Cano

Alaya Koneru

Mona Doshani

Jeff Nemhauser

Penina Haber

Tina Objio

Aaron Harris

Sarah Schillie

Beth Hibbs

Phil Spradling

Megan Hofmeister

Tureka Watson

Andrew Kroger

John Weiser

David Kim

Mark Weng

For more information, contact CDC
1-800-CDC-INFO (232-4636)
TTY: 1-888-232-6348 www.cdc.gov

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

