

Immunization Safety Office Updates

Centers for Disease Control and Prevention

Tom Shimabukuro, MD, MPH, MBA

Immunization Safety Office

Division of Healthcare Quality Promotion

National Center for Emerging and Zoonotic Infectious Diseases

Centers for Disease Control and Prevention (CDC)

Advisory Commission on Childhood Vaccines (ACCV)

June 7, 2013

National Center for Emerging and Zoonotic Infectious Diseases

Division of Healthcare Quality Promotion – Immunization Safety Office



Topics

- ❑ **June 2013 Advisory Committee on Immunization Practices (ACIP) meeting preview**
- ❑ **CDC's avian influenza A(H7N9) response**
- ❑ **Selected publications**

June 2013 ACIP meeting*

- **Japanese Encephalitis Vaccine**
 - Safety and immunogenicity of JE-VC in children

- **General Recommendations on Immunization**
 - Preventing and managing adverse reactions

- **Human Papillomavirus (HPV) Vaccine**
 - Exposure during pregnancy registry: Merck Pregnancy Registry for quadrivalent HPV vaccine

* <http://www.cdc.gov/vaccines/acip/meetings/downloads/agenda-archive/agenda-2013-06.pdf>

June 2013 ACIP meeting*, cont.

- ❑ **Rotavirus Vaccines: Update on Intussusception**
 - **Review of data from:**
 - **Vaccine Safety Datalink (VSD)**
 - **Vaccine Adverse Event Reporting System (VAERS)**
 - **Post-Licensure Rapid Immunization Safety Monitoring (PRISM)**
 - **Australia surveillance**
 - **Summary and review of risk/benefit of rotavirus vaccination in the United States**
- ❑ **Influenza**
 - **Vaccine safety update (2012-2013 influenza season)**

* <http://www.cdc.gov/vaccines/acip/meetings/downloads/agenda-archive/agenda-2013-06.pdf>

CDC's avian influenza A(H7N9) response

- ❑ CDC activated the Emergency Operations Center (EOC) on April 8, 2013 to support the avian influenza A(H7N9) response
- ❑ CDC's "H7N9: Frequently Asked Questions" website available at <http://www.cdc.gov/flu/avianflu/h7n9-faq.htm>
- ❑ HHS and its partners are taking preparedness steps to develop H7N9 candidate vaccine viruses and are planning for H7N9 vaccine clinical trials
- ❑ CDC is working on developing candidate vaccine viruses for vaccine manufacturers
- ❑ Candidate vaccine viruses could be used to manufacture vaccine if one is needed
- ❑ For additional information access CDC's H7N9 website at: <http://www.cdc.gov/flu/avianflu/h7n9-virus.htm>

Selected publications

- ❑ DeStefano et al. Increasing exposure to antibody-stimulating proteins and polysaccharides in vaccines is not associated with risk of autism. *J Pediatr*. 2013 Mar 29. [Epub ahead of print]
 - Increasing exposure to antibody-stimulating proteins and polysaccharides in vaccines during the first 2 years of life was not related to risk of autism spectrum disorders

- ❑ Tseng et al. Postlicensure surveillance for pre-specified adverse events following the 13-valent pneumococcal conjugate vaccine in children. *Vaccine*. 2013 Apr 8. [Epub ahead of print]
 - Comparing to PCV7 vaccine, no significant increased risk of pre-specified adverse events was identified
 - The possible association between PCV13 and Kawasaki disease may deserve further investigation

Selected publications

- ❑ McNeil et al. Who is unlikely to report adverse events after vaccinations to the Vaccine Adverse Event Reporting System (VAERS)? *Vaccine*. 2013;31(24):2673-79.
 - Primary care practice area and familiarity with adverse event reporting requirements were significantly associated with likelihood of healthcare provider reporting to VAERS
- ❑ Irving et al. Trivalent inactivated influenza vaccine and spontaneous abortion. *Obstet Gynecol* 2013 Jan;121(1):159-65.
 - No statistically significant increase in the risk of pregnancy loss in the 4 weeks after seasonal inactivated influenza vaccination

Selected publications

- ❑ **Haber et al. Intussusception after Rotavirus Vaccines Reported to US VAERS, 2006-2012. Pediatrics. 2013 May 13. [Epub ahead of print]**
 - **Persistent clustering of reported intussusception events 3-6 days after first dose of RotaTeq® vaccination**
 - **Clustering could translate to a small increased risk of intussusception, which is outweighed by the benefits of rotavirus vaccination.**



Centers for Disease Control and Prevention Atlanta, GA

National Center for Emerging and Zoonotic Infectious Diseases
Division of Healthcare Quality Promotion – Immunization Safety Office



Thank You

For more information please contact Centers for Disease Control and Prevention

1600 Clifton Road NE, Atlanta, GA 30333

Telephone, 1-800-CDC-INFO (232-4636)/TTY: 1-888-232-6348

E-mail: cdcinfo@cdc.gov

Web: 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.

National Center for Emerging and Zoonotic Infectious Diseases

Division of Healthcare Quality Promotion – Immunization Safety Office

